WARNING

THIS EQUIPMENT *MUST* BE OPERATED WITH A 3-PRONG GROUNDED OUTLET RECEPTACLE. FAILURE TO USE A PROPERLY GROUNDED OUTLET MAY RESULT IN IMPRO-PER OPERATION OR SAFETY HAZARD!

LIMITED WARRANTY

The Seller warrants that, at the time of shipment, the products manufactured by the Seller are free from defects in material and workmanship. The Seller's obligation under this warranty is limited to replacement or repair of such products which are returned to Marti at its factory, transportation prepaid and properly insured, provided:

a. Notice of the claimed defect is given to Marti within one (1) year [two (2) years for STL systems] from date of original shipment and goods are returned in accordance with Marti instructions.

b. Equipment, accessories, tubes and batteries not manufactured by Marti are subject to only such adjustments as Marti may obtain from the supplier thereof.

c. This warranty does not apply to equipment which has been altered, improperly handled, or damaged in any way.

The Seller is in no event liable for consequential damages, installation cost or other costs of any nature as a result of the use of the products manufactured or supplied by the Seller, whether used in accordance with instructions or not.

This warranty is in lieu of all others, either expressed or implied. No representative is authorized to assume for the Seller any other liability in connection with Seller's products.

MAILING & SHIPPING ADDRESS:

MARTI Electronics P.O. Box 661 421 Marti Drive Cleburne, Texas 76031-0661 The United States of America

COPYRIGHT NOTICE

©1993 All Rights Reserved Marti Electronics 7th printing, May 1997

No part of this manual may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language, natural or computer, in any form or by any means, without the prior written permission of Marti Electronics, Inc.

Artwork depicting circuitry in this manual is protected by copyright laws.

Information in this manual is subject to change without notice and does not represent a commitment on the part of Marti Electronics.

Marti Electronics may make improvements and/or changes in this manual or in the product described herein at any time.

This product could include technical inaccuracies or typographical errors.

PHONE NUMBERS:

Sales & Service	(817) 645-9163
FAX	(817) 641-3869

Table of Contents

Introduction				1
Specifications				2
Unpacking and Inspection				4
Installation				5
Electrical Connections				5
STL System (Stereo and Mone	o) Block Diagram, No.	702-096		7
Antennas				8
Operation				10
System Performance Tests				12
Theory of Operation				14
Tools and Test Equipment Red				16
Receiver Test Report				17
Tune-Up and Adjustment				18
291)	(Programming	-		19
Block Diagram, No. 702-100,	R-15C			29
Adjustment Locations Diagram	m, No. 702-099, R-15C			30
Main Frame	Schematic, 702-095			31
Wall Plane	Parts List, 702-095			32
	,			
1st Converter	Schematic, 800-211B			33
890-960 MHz.	Parts	List,	800-211B	34
	•••••	•••••		
1st Converter	Schematic, 800-213C			37
280-480 MHz.		List,	800-213C	38
		<i>,</i>		
1.4.0				41
1st Converter	Schematic, 800-212C			41
140-260 MHz.		List,	800-212C	42
	•••••	•••••		
Frequency Synthe-	Schematic, 800-291			44
sizer Board	Parts List, 800-291			45
2nd Converter/ IF	Schematic, 800-293			48
Amplifier/ Detector	Parts List, 800-293			49
•				τJ
IF Bandpass Filter	Schematic, 800-207-2	50		52
	Parts List, 800-207-25	50		53
Audio Board	Schematic, 800-294			54
	Parts List, 800-294			55
	,			
Meter Board	Schematic, 800-295			60
	Parts List, 800-295			61
Power Supply/	Schematic, 800-219A			62
11 2	·			

Squelch Board	Parts List, 800-219A	63
Input/Output Filter Board	Schematic, 800-193A Parts List, 800-193A	



The *Marti* STL-15C Transmitter with companion R-15C Receiver, form a high quality, frequency synthesized, point-to-point, line of sight, radio communications link. These systems are available in frequency bands from 140 MHz to 960 MHz and may be factory configured for operation from various power sources. Depending upon available channel bandwidth, these systems can transmit one of the following:

- Composite FM Stereo audio with subcarrier*
- Monophonic audio with two subcarriers
- Digital stereo audio (requires external modems)
- Multi-channel audio or data (requires external MUX)
- Digital data (requires external modems)

Complex systems can be built from basic STL-15C transmitters and R-15C receivers having multiple relay (repeaters), bi-directional (full duplex), and automatic switching hot standby features.

Composite system specifications

Stereo separation:	55 dB or better 50 Hz - 15 KHz with 250 KHz IF Filter 50 dB with 200 KHz IF Filter
Frequency response:	Composite channel ± 0.2 dB 30 Hz - 53 KHz Wide band channel ± 0.3 dB 30 Hz - 100 KHz

Distortion:	0.2% or less 30 Hz - 15 KHz (demodulated, de-emphasized, LP filtered left or right channel)
Noise:	more than 72 dB below 100% modulation (demodulated, de- emphasized, LP filtered left or right channel)
Emission:	194 KF8E (without subcarrier)280 KF8E (with 1 subcarrier)490 KF8E (with 2 subcarriers)

* 940 - 960 MHz system, 500 KHz channels. Narrower bandwidths at reduced specifications.

Monophonic system specifications

Frequency response:	±0.25 dB 30 Hz - 15 KHz
Distortion:	0.2% or less 30 Hz - 15 KHz
Noise:	more than 72 dB below 100% modulation (75 µs de-emphasis)
Emission:	194 KF8E (mono channel with subcarrier)
Pre-emphasis	Adjustable 0, 25, 50, or 75 microseconds

Model R-15C Aural STL Receiver SPECIFICATIONS

Frequency range:	140 - 180 MHz	R-15C/150
	200 - 260 MHz	R-15C/215
	280 - 340 MHz	R-15C/300
	400 - 480 MHz	R-15C/450
	890 - 960 MHz	R-15C/950

Sensitivity:	Composite stereo demodulated, de-emphasized, LP filtered, or monaural 3 microvolts input for 50 dB signal/noise ratio 9 microvolts input for 60 dB signal/noise ratio 75 microvolts input for ultimate signal/noise ratio (typically 75 dB or better	
RF Input Impedance and Connector:	50 ohms, type UG-58 (N female)	
Selectivity:	IF filter bandwidth is determined by the subcarrier(s) on thesystem and interference conditions. Minimum necessarybandwidth is selected from options:Filter3 dB60 dB (bandwidth, KHz)F200190F250220F300530F450280900	
Spurious Response:	-90 dB, 140-480 MHz; -70 dB, 890-960 MHz	
Frequency Stability:	± .00025%, -20°C to +50°C	
Frequency Synthesizer:	Frequency selected by 16 DIP switches, maximum resolution 12.5 KHz	
Monophonic Audio Output:	Balanced 600 ohms, level adjustable -30 dBm to +10 dBm at front panel, transformer isolated and floating (may be strapped for transformerless output) barrier strip terminals. Response 30 Hz - 15 KHz \pm 0.25 dB.	
Composite Audio Output:	Level adjustable 1.8 v P-P to 3.5 v P-P at front panel, unbalanced BNC connector; composite frequency response 30 Hz - 53 KHz ±0.2 dB.	
Subcarrier Outputs:	Two unbalanced outputs, BNC connectors, selectable high pass filtering for monophonic or composite stereo modes. Subcarrier output levels are 2 - 3 v. P-P for 10% subcarrier insertion at the STL-15C transmitter. Subcarrier high pass filter cut-off frequency is 25 KHz in "mono mode" and 80 KHz in "composite mode."	
Digital Output:	The J2 "Composite Output" BNC connector can be converted to a "Digital" output by connecting an alternate shielded wire by changing two pins in a cable connector. The "Digital" output is unfiltered, unprocessed baseband having a 3 v. P-P level and a response of 30 Hz - 200 KHz.	
Front Panel Controls:	10 dB Attenuator, Composite Level Adjust, Mono Level Adjust, Squelch Adjust, and Meter Switch.	

Metering and Indicators:	Test meter reads Signal Level , Program Level (mono or composite), Subcarrier Level , AFC Level , Local Oscillator Level , and Mixer Level . LED's indicate AFC Lock , Composite Mode , Mono Mode , and Squelch Open .
Automatic Changeover:	Provision for automatic changeover by addition of ARS-2 Automatic Receiver Switcher.
Accessory connector:	15 pin D connector on rear panel provides filtered access to +13.5 v regulated bus, +18 v unregulated supply, Squelch relay contacts.
Power Requirements:	120/220/240 VAC*, 50/60 Hz, 20 watts or 11 - 14 VDC negative ground or 22 - 28 VDC** negative ground at 600 ma. (900 ma. initial warm-up.
AC Fuse Rating:	For 120 v. use 0.5 Amp fuse For 220 v. use 0.25 Amp fuse
Dimensions:	3.5 inches High x 19 inches Wide x 13 inches Deep 8.89 cm High x 48.26 cm Wide x 33.02 cm Deep
Weight:	Net 9 pounds. Domestic packed 13 pounds. Net 4.1 kilograms. Export packed 5.9 kilograms.

UNPACKING & INSPECTING

This equipment was factory tested, inspected, packed, and delivered to the carrier with utmost care. Do not accept shipment from carrier which shows damage or shortage until the carrier's agent endorses a statement of the irregularity on the face of the carrier's receipt. Without documentary evidence, a claim cannot be filed.

Unpack equipment immediately upon receipt and thoroughly inspect for concealed damage. If damage is discovered, stop further unpacking and request immediate inspection by local agent of carrier. A written report of the agent's findings, with his signature is necessary to support claim. Check your shipment against the shipping papers for possible shortage. Do not discard any packing material until all items are accounted for. Small items are often thrown away with packing material. Packing material should be retained until equipment testing is completed. Any equipment returned to the factory should be packed in original cartons, insured, and pre-paid.

INSTALLATION

Install rack-mounted equipment in a well-ventilated, well-grounded, and shielded rack cabinet. Do not locate solid-state equipment in a rack above tube-type equipment which produces high temperatures.

Problems can also be avoided by locating this unit away from other equipment which has transformers that produce strong magnetic fields. These fields can induce hum and noise into the Marti equipment thus reducing performance. Strong radiofrequency (RF) fields should be avoided where possible. Extensive shielding and filtering have been incorporated into this equipment to permit operation in moderate RF environments. All equipment racks, cabinets, etc., should be bonded together by wide copper grounding strap to ensure that all system elements are at RF ground potential.

Receiver connections for Composite Stereo operation (Refer to Drawing 702-096)

1. The composite signal output of the R-15C Receiver is the BNC jack labeled "J2 COMPOSITE". The composite output is connected to the composite signal input of the FM transmitter exciter by a short length of RG-58 coaxial cable.

2. A subcarrier demodulator or remote control (operating above 110 KHz) can be connected to "J1 SUBCARRIER NO. 1" and/or "J3 SUBCARRIER NO. 2" output BNC jack. The ability of the STL-15C system to transmit subcarriers depends upon the channel bandwidth available. The R-15C receiver IF filter selectivity must be compatible with the available interference free channel bandwidth. Using 50 KHz deviation for 100% modulation, the approximate bandwidth required for various sub carriers follows:

Subcarrier Frequency	Receiver IF Bandwidth (3 dB)
67 KHz	234 KHz
92 KHz	284 KHz
110 KHz	320 KHz

Actual bandwidth may require an additional 10% to 15% to allow for the modulation on the subcarrier itself. With the severe STL channel crowding with resulting interference prevalent around large markets, subcarriers above 110 KHz are not recommended.

3. The accessory connector has several uses such as remote control, automatic switching, and external DC power. Connection instructions are furnished with these accessories.

4. Connect STL receiving antenna coax to "J6 ANTENNA". This requires a type N male connector. A short flexible jumper (20" max.) may be used between J6 and semi-flexible coax. Marti Part No. 585-017 double shielded, low-loss RG 214/U jumper is recommended.

5. Connect AC line receptacle on back of the receiver to a 115 volt AC power source with special cord set supplied. USE ONLY 3-PRONG GROUNDED OUTLET RECEPTACLES FOR SAFETY.

WARNING

This equipment must be operated with a 3prong, grounded, 115 volt, AC outlet receptacle! Failure to use a properly grounded outlet could result in a safety hazard or faulty equipment performance!

(See next page for receiver connections for monophonic operation.)

R-15C Receiver connections for Monophonic operation (Refer to Drawing 702-096)

1. Monophonic program audio output is available at "600 ohm balanced" audio output screw terminals, **TB-1**. Use shielded wire. Program audio output level is +10 dBm max, 600 ohms balanced, and isolated from ground. For dual channel stereo, repeat instructions at second receiver. Audio processing requirements will be discussed in the **OPERATION** section of this manual.

2. Connect a remote control or subcarrier demodulator to the jack marked, "J1". The subcarrier load may be 600 to 5K ohms impedance, and the output level is approximately one (1) volt RMS. Systems factory supplied with 250 KHz IF bandwidth will carry subcarriers up to 110 KHz. For other subcarrier frequencies or narrow IF bandwidth systems contact the factory. A second subcarrier system can be connected to "J3". If a dual channel stereo STL is used, connect one subcarrier generator to "J1" or "J3" on each channel's transmitter and receiver.

3. The accessory connector has several uses such as automatic switching, and external DC power. Connection instructions are furnished with these accessories.

4. Connect STL receiving antenna coax to, J6 ANTENNA. This requires a type N male connector. A short flexible jumper (20" max.) may be used between J6 and semi-flexible coax. Marti Part No. 585-017 double shielded, low-loss RG-214/U jumper is recommended.

5. For dual channel stereo, use **Model MTS-1 Receiver Combiner** between J6 of each receiver. Use a **Part No. 585-017** jumper between the **ANTENNA** connector of the **MTS-1** and the semirigid coax. Refer to **Drawing 702-096**.

6. Connect AC line receptacle on back of the receiver to a 115 volt AC power source with special cord set supplied. USE ONLY 3-PRONG GROUNDED OUTLET RECEPTACLES FOR SAFETY.

WARNING

This equipment must be operated with a 3prong, grounded, 115 volt, AC outlet receptacle! Failure to use a properly grounded outlet could result in a safety hazard or faulty equipment performance! BLOCK DIAGRAM 702-096

ANTENNAS

The following suggestions are offered to help those responsible for antenna installations avoid costly errors in assembly and adjustment. Marti Electronics, Inc. assumes no responsibility for the installation and performance of antenna systems associated with its equipment. The following suggestions are not intended to be a complete stepby-step procedure, simply a listing of some of the most frequently reported errors in antenna system installation.

Antenna Assembly

Follow the manufacturer's instructions carefully. If no instructions were included with the antenna, call or write the antenna manufacturer for instructions. Errors are frequently made in assembly of the RF feed dipole elements which must be installed in the same plan as the reflector grids. In other words, if the reflector grid elements are horizontal, then the feed dipole elements must also be horizontal. Cross polarization of grid and feed dipole will result in total loss of antenna gain!.

Transmission Line Connector Assembly

Do not use RG-58 U or RG-8 U cable for STL station antennas! They have too much loss at VHF and UHF frequencies. Follow the instructions furnished by the manufacturer when cutting coaxial cable. Inspect the cable ends for small metal fragments which can short-circuit the line inside the connector assembly. Check the line for a short-circuit condition after each connector is installed by using an ohmmeter. Pressurized line should be checked for several days under pressure before installation on a tower to ensure that there are no leaks in the line or fittings

Moisture Proofing Coax Connectors and Fittings

Extreme care must be exercised with coaxial cable before and after connectors have been installed to ensure that moisture does not enter the line. Foam dielectric line can take on moisture absorption which is difficult to detect and remedy. Therefore, keep the line dry while in storage with ends tightly capped. Coaxial splices, connectors, and fittings, to be located outside should be made mechanically tight, then coated with a weather-proofing material over at least two layers of vinyl plastic electrical tape. Moisture problems in antenna systems are usually traced back to connectors which have NOT been properly taped. The Marti K-1 Grounding and Weatherproofing Kit is recommended for use in each new antenna installation.

Location and Grounding of Coaxial Cable

Keep the STL receiver coaxial cable as far from the broadcast transmitter and its coaxial cable as possible. DO NOT STRAP RECEIVER CABLE TO THE MAIN ANTENNA CABLE AT ANY POINT. PLACE THE RECEIVER ANTENNA COAXIAL CABLE ON THE OPPOSITE SIDE OF THE TOWER FROM THE MAIN ANTENNA CABLE. Maintain maximum separation between these cables at all points, including the distance from tower base to transmitter building as well as inside the building.

System Grounding

It is essential that the STL antenna system be properly grounded for safety and proper operation.

Antenna Installation and Adjustment

The polarization of the transmit and receive antennas of the STL system must be the same! This means that if the transmitting antenna is horizontal, the receiving antenna must also be horizontal. Each antenna should be attached to the tower to allow for final adjustment in azimuth heading and vertical tilt. After visual adjustment of the antennas, the transmitter and receiver can be used to make the final adjustments of the antennas. With the transmitter driving one antenna, the receiver antenna is adjusted for maximum signal (indicated on the receiver) in both horizontal and vertical directivity. CAUTION: Antennas have a "major" and several "minor" lobes in their directivity patterns. A common error is to peak the antenna on a minor lobe, resulting in a signal level of only a fraction of the major lobe signal. This error can be avoided only by swinging the antenna through a large angle so that all lobes are evaluated and the major lobe clearly determined. After one antenna is adjusted, the transmitter and receiver locations are reversed, to allow adjustment of the other antenna. If an RF wattmeter is available, each antenna and transmission line can be checked for VSWR when the transmitter is supplying power to it. The VSWR should be less than 1.5 to 1 (1.5:1). IF THE ANTENNA SYSTEM FAILS TO GIVE

THE PREDICTED SIGNAL STRENGTH LEVEL, THE FOLLOWING ITEMS SHOULD BE CHECKED:

- 1. Check for correct assembly of antenna.
- 2. Check that antennas have same polarity.
- 3. Check orientation of antennas in both horizontal and vertical directions.
- 4. Check VSWR of both transmit and receive antennas. VSWR should be less that 1.5:1.
- 5. Check Fresnel zone clearance along radio path.
- 6. Check for obstructions in the path such as trees and man-made structures. Do NOT depend on maps or aerial photographs.

CAUTION & WARNING

YOU CAN BE *KILLED* IF AN ANTENNA COMES IN CONTACT WITH ELECTRIC POWER LINES OR EXPOSED ELECTRICAL WIRING. FOR YOUR SAFETY USE EXTREME CAUTION WHEN INSTALLING ANTENNAS. KEEP AWAY FROM POWER LINES.

OPERATION

Control Functions and Panel Indicator Lamps

COMPOSITE LEVEL

When selected by internal jumper plugs, the "COMPOSITE LEVEL" lamp will be illuminated. Composite output is adjustable over a range of 1.8 to 3.5 volts P-P.

MONO LEVEL

When selected by internal jumper plugs, the "MONO LEVEL" lamp will be illuminated. Balanced 600 ohm mono level is adjustable over a range of -40 to +10 dBm.

SQUELCH ADJUST

The **SQUELCH ADJUST** pot is used to set the minimum level of received signal required to "open" the audio squelch of the receiver. This level is factory set to 4 microvolts, but may be changed if necessary. The squelch should be set to open when receiving the signal from the STL-15C transmitter, and close and remain closed at all times when the transmitter is "OFF". Very sensitive (low level) settings should be avoided to prevent the squelch from opening on noise or other signals.

ATTENUATOR

The RF input sensitivity of the R-15C receiver can be attenuated by placing the "ATTENUATOR" switch in "10 dB ATTEN." position. This may be desirable when the received signal is very strong in order to bring the "SIG. LEVEL" meter indication on scale and to make the squelch relay less susceptible to noise and interfering signals. On long transmission paths and fading signal conditions, "MAX SENSITIVITY" setting is required.

AFC LOCK LIGHT

The **AFC LOCK** light should be illuminated at all times the receiver is operating. This indicates the VCO of the frequency synthesizer is locked to the reference oscillator. The receiver squelch relay will not open unless the **AFC LOCK** light is on.

Test Meter

An illuminated **TEST METER** and selector switch are built into the R-15C receiver to permit monitoring of critical parameters. These are:

1. **"SIGNAL LEVEL"** - The received signal strength indication (RSSI) is displayed in relative values on the "VU" scale of the meter when switched to "SIG. LEVEL". Typical RSSI values and conditions are shown in the following table:

Sig. Level Meter Reading	Attenuator Switch Setting	Signal Strength (microvolts)
-7 VU	max sensitivity	5
-3.5 VU	max sensitivity	10
-1 VU	max sensitivity	50
0 VU	max sensitivity	100
+1.5 VU	max sensitivity	250
0 VU	10 dB ATTEN	500

See Receiver Test Report on page 17

2. **"PGM LEVEL"** - The recovered audio level (mono or composite) is displayed on the upper "VU" scale of the meter. This indication may be useful in initial set-up under test tone conditions. "Composite" or "mono" levels may be observed while adjustments are being made. The program level meter is not a peak reading meter and is useful for test tone measurements. Complex program audio will be indicated at about 6 dB below actual peak values. The modulation of the STL link is set at the **"PEAK MODULATION"** bar graph meter of the <u>STL-15C</u> <u>transmitter</u>. "Composite" or "mono" levels out of the R-15C receiver are set for correct modulation of the broadcast transmitter as indicated on the station's modulation monitor.

3. "SUB LEVEL" - Received subcarrier level is indicated in this switch position. If 10% subcarrier injection is used at the STL-15C transmitter, a "SUB LEVEL" indication of approximately "0" VU is indicated.

4. "AFC LEVEL" - Indicates the AFC error correction voltage in the phase-locked loop. This reading should be "0 VU" ± 1.5 VU. Level errors greater than ± 1.5 VU call for adjustment of VCO center frequency. See section:

TUNE UP AND ADJUSTMENTS

5. **"L. O. LEVEL"** - The local oscillator (L.O.) level meter reading is normally -5 VU to -3 VU.

6. **"MIXER"** - The mixer meter reading is normally - 3 VU to +3 VU.

It is prudent to record all meter readings at the time the equipment is initially installed to aid in future trouble shooting.

INTERNALLY SELECTED OPTIONS

The R-15C receiver has several options selected by jumper plugs. Refer to section titled TUNE UP AND ADJUSTMENTS

FREQUENCY PROGRAMMING

The R-15C receiver frequency synthesizer is programmed by 16 switches located on the R-15C Frequency Synthesizer Board, 800-291. Refer to section titled TUNE UP AND ADJUSTMENTS

SYSTEM PERFORMANCE TESTS

The STL-15C transmitter, R-15 receiver with the associated antenna system can be tested and compared with factory test data included in this manual. The following procedures should be followed in order to obtain reliable and accurate results.

Before audio tests or subcarrier tests are begun check the receiver "SIG. LEVEL" METER for required minimum signal. A conversion from VU to microvolts is given under **OPERATION** in the R-15 receiver manual. For a 950 MHz. system using 50 KHz FM deviation, typical noise levels in *Composite Mode* are:

10 µv	for 50 dB S/N ratio
63 µv	for 60 dB S/N ratio
80 uv	for ultimate S/N ratio

(Demodulated left or right channel de-emphasized and low-pass filtered.)

For the above system with 20% subcarrier injection, the following noise level on the subcarrier (Marti SCG-10 - SCD-10 System) was measured: (no modulation main or sub)

10 µv	for 4	40 dB Subo	carrier S/N ra	itio
20 µv	for 4	47 dB Subo	carrier S/N ra	itio
30 μv	for £	50 dB Subo	carrier S/N ra	itio
150 µv	for	ultimate	Subcarrier	S/N
•	ratic)		

With ultimate S/N ratio, main to sub crosstalk should be -40 to -45 dB (using Marti SCG-10 - SCD-10 Subcarrier System).

NOISE (monophonic mode)

Noise measurements should be made first, since high noise levels will influence distortion readings. Also ground loops in the audio oscillator to transmitter connections and distortion analyzer to receiver connections must be resolved before testing begins. The influence of high RF fields upon the test equipment must be determined and corrected before accurate measurements can be made. NOTE: NOISE AND DISTORTION MEASUREMENTS ARE MADE WITH SUBCARRIER AND REMOTE

CONTROL INPUT SIGNALS REMOVED. System signal to noise ratio is determined while modulating the transmitter 100% at 400 Hz. A level of +8 dBm across the balanced audio input terminals of TB-1 will produce a reading of 100% modulation on the "PEAK MODULATION" indicator. Set Receiver "MONO LEVEL" pot for +10 dBm output into the distortion analyzer. If the distortion analyzer has a high impedance input, add a 600 ohm load resistor to match the receiver. Establish +10 dBm on the audio voltmeter of the analyzer as the reference level for 100% modulation. Next, remove the audio signal from the transmitter input and measure noise level below reference (100% modulation). This reading should compare with that published under SYSTEM SPECIFICATIONS in this manual.

DISTORTION (monophonic mode)

Harmonic distortion is usually measured at 100% modulation and at several frequencies. If pre-emphasis processing is used in the transmitter with corresponding de-emphasis in the receiver, it is normal for available audio level at the receiver to drop with increasing frequency according to the de-emphasis curve selected. At 15 KHz, there is sufficient level to operate most modern distortion analyzers. Distortion levels should be within specifications. If distortion is out of specs, check system noise, check for test equipment ground loops, RFI, and transmitter/receiver operating frequency. If either unit is off frequency, the FM modulation sidebands are not centered within the IF filter bandpass, which can cause audio distortion.

FREQUENCY RESPONSE (monophonic mode)

If the STL-15C System is switched to flat processing, frequency response can be measured as if the signal were being sent over straight wires. If preemphasis processing is used (especially 75 μ s) allowance must be made in the transmitter audio input level to prevent over-modulation at test frequencies above 400 Hz. The simplest and fastest method is to set the transmitter audio input level for 100% modulation at 400 Hz., then attenuate this level 20 dB. Set receiver output level to -10 dBm as the reference, then sweep the audio band for response. Response should be within the limits listed in **SYSTEM SPECIFICATIONS**.

COMPOSITE (STEREO) SEP-ARATION, NOISE, DISTORTION AND FREQUENCY RESPONSE. (composite mode)

This procedure consists of feeding a stereo encoder (generator) capable of more than 60 dB separation (50 Hz - 15 KHz) into the composite input of the STL-15C transmitter and connecting a stereo decoder (monitor) to the composite output of the R-15C receiver. The actual test procedure may vary with different decoders (monitors). Therefore the procedure prescribed in the decoder (monitor) instruction manual should be followed.

THEORY OF OPERATION

The Marti R-15C is a synthesized doubleconversion superheterodyne receiver. When used with the companion STL-15C transmitter a high quality point-to-point radio link can be assembled for transmission of composite stereo audio, monophonic audio, digital data (by means of modems) or other communications.

Since the general theory of operation of superheterodyne receivers is well known, we will briefly describe the function of each board (subsystem) of the R-15C receiver. Refer to block diagram 702-100 for signal flow, and to the individual schematic diagrams for circuit details.

1st CONVERTER, 800-211, 800-212, 800-213

The received RF signal is applied to the 1st converter module. After passing through a threesection preselector, the signal is coupled to Gate No. 1 of a GaAs dual-gate RF amplifier. The output of this amplifier is impedance matched to Double-Balanced Mixer X-1. The output of the Local Oscillator frequency multipliers is also impedance matched to the local oscillator port of mixer X-1. The third port of the double-balanced mixer X-1 is the converter output. The 1st converter output is in the 70 - 78 MHz range.

SECOND CONVERTER / IF AMP / DETECTOR, 800-293

The 50 ohm output from the 1st converter is connected to J3 of this board by a short coaxial cable. J-FET Q4 raises the impedance for the two-section band pass filter which is tuned to the 70 - 78 MHz output of the first converter. This signal is amplified by dual-gate FET Q5, again filtered by L7/C48 then fed to the gate of Q6. J-FET Q6 is a source follower driving the 50 ohm RF input of double balanced mixer X1. The L.O. drive from **Synthesizer Board**, **800-291**, is connected to the L.O. port of mixer X1 via connector J5. The 10.7 MHz frequency difference between the RF and L.O. signals appear at the IF port of mixer X1 which is connected to J4. The 10.7 MHz signal is routed through **IF Bandpass Filter Board**,

800-207, and back to J1 of **Second Converter/IF Amp/ Detector Board, 800-293**, for amplification by Q1 and Q2 with filtering by CF1 and CF2. IC5 combines the functions of IF amplifier/limiter, quadrature detector, and receive signal strength indicator (signal level metering). The wide band output of Q5 appears at Pin 6, and is connected to IC1 - IC4 for pre-processing of the composite, mono, and subcarrier signals, and for level metering.

AUDIO BOARD, 800-294

Audio Board, 800-294 processes composite and mono audio for the R-15C and is programmable (by jumper plugs) for composite stereo or monaural signal processing.

Using "jumper plugs" the user may select "HI-SUB" for subcarrier operation in composite mode or "LO-SUB" for subcarrier operation in mono mode. When changing mode of operation jumper plugs are also provided to switch the front panel LED mode indicators and level metering. See the NOTE on Schematic, 800-294 to set jumpers properly!

COMPOSITE PROCESSING:

Composite processing entails low pass filtering, delay equalization, and high pass filtering (for subcarriers). Low pass filtering achieves a flat amplitude response to 57 KHz with a "brick-wall" cut-off using elliptic filters. Group delay, introduced by the low pass filter, is equalized using active allpass filters and achieves a flat group delay across a frequency band of 50 Hz to 57 KHz. High pass filtering, using elliptic filters, has a "brick-wall" cutoff at 80 KHz. with a flat response beyond 80 KHz. The output, as indicated on schematic 800-294, is labeled "HI-SUB".

MONO PROCESSING:

Mono processing entails de-emphasis, low pass filtering, amplification, and high pass filtering (for subcarriers). User options provide for selection of 75 μ s, 50 μ s, 25 μ s, or 0 μ s de-emphasis. Active Butterworth low pass filtering achieves a flat amplitude response to 15 KHz rolling off sharply above 15 KHz. Active Butterworth high pass filtering provides a sharp roll-off at 25 KHz with flat amplitude response above 25 KHz for subcarriers.

Output of the high pass filters is labeled "LO-SUB" on Schematic, 800-294. See instructions on this schematic for selection of "mode", de-emphasis, and subcarrier

FREQUENCY SYNTHE-SIZER, 800-291

The R-15C receiver frequency is synthesized at the second conversion local oscillator frequency, which is 10.7 MHz below (or above) the first converter output frequency. Using the 942 - 952 MHz band as an example, the first converter output would be 69 - 79 MHz. To convert to the second IF frequency of 10.7 MHz, the synthesizer must generate the required frequency in the range of 58.30 to 68.30 MHz (F-10.7). **Programming instructions for the synthesizer are on page 19.**

The frequency synthesizer consists of a Phase-Locked Loop (IC5), a Voltage-Controlled Oscillator (Q2), a Pre-scaler (IC4), a Reference Frequency (Y1), and a Loop Filter (IC2A). The PLL is a programmable device with the reference frequency generated by a crystal oscillator. The loop filter is an active type and the pre-scaler is used to pre-scale the VCO frequency to make it compatible to the PLL. The PLL performs three major functions:

1. compares the phase of the pre-scaled VCO frequency (further processed inside the device) with the frequency of resolution and produces outputs that are used by the loop filter to produce a DC voltage to control the VCO frequency.

2. controls the pre-scaler by selecting its divisor.

3. generates the frequency of resolution, internally, using the crystal oscillator.

The PLL has 16 programming pins that are used to select a VCO frequency and produce a lock. The program to select a particular VCO frequency is selected by 16 dip switches. An extremely stable crystal oscillator and noiseless loop filter make the synthesizer ultra stable. The output of the phase-locked VCO (Q2) is buffered by IC3, low pass filtered and connected to J1 (L.O. out). A short coaxial cable connects with J5 (L.O. in) of Board, 800-293.

INPUT OUTPUT FILTERS, 800-193A

All input/output circuits connected to ACCESSORY connector J4, as well as the AC line input, have radio-frequency filters.

POWER SUPPLY/ SQUELCH, 800-219A

The power supply consists of a bridge rectifier, D1, D2, D3, D4 filter C5 and regulator IC-3. R8 and R9 set the output voltage and D5 and D6 protect IC-3 from reverse voltage. Zener diode D7 provides a shunt regulated reference voltage for the comparators, IC-2, for instances when the receiver is operated from external unregulated DC supplies.

The signal squelch IC-2B comparator has the signal level metering voltage applied to the appropriate input. Signal squelch comparator IC-2B output is connected to relay driver Q2. The collector of Q2 also operates the "SQUELCH OPEN" LED on the receiver panel. Squelch adjustment is provided by potentiometer R1 located on METER/CONTROL BOARD, 800-295 which divides the comparator reference voltage through R11 and R12.

The signal level voltage is inhibited (shorted to ground) when the frequency synthesizer AFC LOCK light is **NOT** "ON", thus muting all receiver signal outputs.

Signal level voltage is also connected to meter driver amplifier IC-1. The "SIGNAL LEVEL" position of the test meter is calibrated by R2.

TEST EQUIPMENT

Distortion Analyzer Oscillator Attenuator Set Frequency Counter

Digital Multimeter Analog Multimeter RF Attenuator RF Signal Generator Stereo Monitor Stereo Generator Oscilloscope Krohn-Hite Model 6801 Krohn-Hite Model 4500 Hewlett-Packard Model 3500 Hewlett-Packard Model 5383A (option 001) Beckman Model 3030 Triplett Model 630 Kay Model 437A (adjustable 0-110 dB) Marconi Model 2022C Belar Model FMS-2 Aphex Model AX400 Tektronix Model 2215

TOOLS FOR ALIGNMENT

Type of Tool	Manufacturer's No.	Marti Part No.
Tuning Tool	GC 9300	930-037
Tuning Tool	GC 9440	930-069
Tuning Tool	Spectrol 8T000	930-100
Tuning Tool	Sprague-Goodman	930-062
Tuning Tool	Johanson 8762	930-096 (yellow)
Tuning Tool	Johanson 8766	930-076 (blue)

The STL-15C/R-15C Alignment Tool Kit (Marti Part No. 704-175) containing all the above tools may be obtained from the factory for \$19.83.

RECEIVER TEST REPORT

TUNE-UP & ADJUSTMENTS

Refer to Location of Adjustments Drawing No. 702-099 and appropriate schematic diagrams for each module.

This equipment was thoroughly tested and inspected at the factory prior to shipment. The actual equipment performance was recorded on the factory test report (R-15C RECEIVER TEST REPORT) found on page 17. Adjustments should rarely be necessary in the field and should be attempted only by highly trained technicians familiar with this type equipment. Laboratory grade test equipment is required and is listed **"TEST** EQUIPMENT under FOR STL-15C TRANSMITTERS and R-15C RECEIVERS" (page 16). For location of adjustments and test points in the R-15C receiver refer to Adjustment Location Diagram, 702-099, on page 30.

1st CONVERTER, 800-211B, 212C, & 213C

1. Set the local oscillator on exact frequency by adjusting L1 while observing the frequency on a 225 MHz counter plugged into J1. See **TABLE 1.** below in order to determine the correct frequency at J1.

NOTE: Unplug the counter from J1 before doing Step 2.

FOR 800-211 CONVERTER ONLY

2. Tune L2 and L4 for maximum negative voltage at TP-1. Use the 3 volt DC scale of a sensitive multimeter. Do NOT tune C7, C8, C13, C14 - they are factory adjustments only!

- 3. Tune L5 and L6 for maximum voltage at TP-2.
- 4. Tune C18 for maximum voltage at TP-3.

5. Reduce received signal level at J6 for a 1/3 scale reading on SIG. LEVEL METER. Tune C23, C29, C33, C34, and C35 for maximum signal level.

FOR 800-212C and 800-213C CONVERT-ERS ONLY

2. Switch METER to "L.O. LEVEL". Tune L5 and L6 for maximum reading. DO NOT TUNE TRIMMER CAPACITORS—THEY ARE FACTORY ADJUST-MENTS ONLY!! (TP-1)

3. Switch METER to "MIXER" and tune L7 and L8 for maximum reading. (TP-2)

4. Switch METER to "SIG. LEVEL", reduce signal level at J6 for a 1/3 scale reading on SIG. LEVEL METER. Tune the three gold capacitors on top of the pre-selector for maximum signal level. On 800-213 board tune C27 and C32 for maximum signal level. On 800-212 board tune L9 for maximum signal level.

I.F. FILTER, 800-207-250

There are no user adjustments on this board.

AUDIO PROCESSING BOARD, 800-293

This module has been thoroughly tested and adjusted at the factory. Only movement of jumper plugs to change between "COMPOSITE MODE", and "MONO MODE", and de-emphasis options should be necessary in the field.

Refer to Drawings 702-099 (page 30) for JP (jumper plug) locations and 800-294 (page 54) for <u>NOTES</u> on JP programming.

Monophonic mode:

To select monophonic (single program audio channel) mode, place jumper plugs at positions 2, 4, 5, and 7. The "MONO LEVEL" pot on the front panel is now used to set the mono output level at TB-1.

De-Emphasis: In mono mode the user can select deemphasis of 0, 25, 50 or 75 microseconds. The U.S. standard is 75 microseconds, the European is 50 microseconds, and some users prefer zero or 25 microseconds for various reasons. *The emphasis selection must be the same for the transmitter and receiver.*

De-Emphasis (microseconds)	Jumper Plug(s)
0	remove 9 & 10
25	9 only
50	10 only
75	9 & 10

Factory Calibration of De-Emphasis (mono mode)

1. Set pre-emphasis jumper plugs on STL-15C transmitter Processor Board, 800-285 to 75 micro-seconds as shown on Drawing 800-285 of the STL-15C instruction book.

2. Select 75 microseconds on R-15C Board 800-294 by inserting jumper plugs 9 and 10.

3. Modulate transmitter 100% at exactly 15 KHz. Set receiver PGM LEVEL ADJUST for exactly - 7 dBm on an accurate audio voltmeter at terminals TB-1.

4. Lower the audio signal generator frequency to exactly 400 Hz at the exact same level into the STL-15C.

5. The R-15C receiver audio output level meter should read $\pm 10 \text{ dBm } \pm 0.25 \text{ dB}$. If not, adjust R22 on the receiver Audio Board, 800-294, for exactly $\pm 10 \text{ dBm output}$.

Composite Mode:

To select "COMPOSITE" stereo mode, place jumper plugs (JP) at positions 1, 3, 6, and 8. The "COMPOSITE LEVEL" pot on the front panel now controls the composite output at J2.

2nd CONVERTER / IF AMP-LIFIER / DETECTOR, 800-293

2nd Converter/Pre-selector: (Adjustments necessary when changing receiver frequency)

1. Place test meter in "SIG LEVEL" position.

2. Adjust the RF input level (J6) for approximately 1/3 scale reading.

3. Adjust C43, C46, and C48 for maximum signal level.

Other adjustments on the 800-293 Board are factory set and do **NOT** require field adjustment.

PROGRAMMING THE FREQUENCY SYNTHESIZER, 800-291

Read "THEORY OF OPERATION" of frequency synthesizer, 800-291 on page 14.

As explained in **THEORY OF OPERATION**, the Frequency Synthesizer, 800-291, generates a stable local oscillator frequency in the range of 58.3 - 68.3 MHz in 12.5 KHz steps for conversion of the first converter output of 69 - 79 MHz to the 10.7 MHz IF frequency. The synthesizer frequency is programmed by positioning 16 "DIP" switches located on Board 800-291 as follows:

FOR 140 - 340 MHz RECEIVERS

1. Calculate the second local oscillator frequency as follows:

(a) Determine the "frequency range" of the first converter from the R-15C Data Label, from the **TEST REPORT** in the R-15C instruction manual, or by inspection of the 800-212C or 800-213C converter crystal (Y2). This crystal will be marked with center frequency of the range, column two of Table 1.

(b) Referring to Table 1, page 21, determine the "frequency range" of operation from the left column.

(c) Using four decimal place accuracy, subtract the receiver "operating frequency" (F_0) from the "upper limit" (F_U) of the "frequency range".

(d) Add 58.3000 to this number to determine the L.O. (Local Oscillator) frequency.

FORMULA:

$$L.O. = F_{u} - F_{o} + 58.3000$$

where F_{U} is the upper limit of the frequency range, F_{O} is the operating frequency.

EXAMPLE: The Receiver is to operate on 225.225 MHz. On Table 1 we find this is in the range of 220 - 230 MHz. Looking at column two, we see that the 1st. Converter crystal must be 225 MHz. Subtracting 230 - 225.225 gives 4.775; adding this to 58.3000 yields 63.0750.

NOTE: To change operating frequency into a different frequency range, the first converter crystal must be changed to the center frequency of that range (see TABLE 1).

2. Using Frequency Programming Table 2, find 63.0750 in the L.O. column. Then position the 16 "DIP" switches (S1 and S2) as indicated.

FOR 400 - 962 MHz RECEIVERS:

1. Calculate the second local oscillator frequency as follows:

(a) Determine the "frequency range" of the first converter from the R-15C data label, from the TEST REPORT in the R-15C Instruction Manual, or by inspection of crystal (Y2), in the 800-213C/450 or 800-211B/950 Converter. This crystal will be marked with the center frequency of the range, from column two of TABLE 1.

(b) Referring to TABLE 1, page 21, determine the "frequency range" of operation from the left column.

(c) Using four decimal place accuracy, subtract the lower limit (F_L) of the "frequency range" from the receiver operating frequency (F_{o}).

(d) Add 58.3000 to this number to determine the L.O. (Local Oscillator) Frequency.

FORMULA:

$L.O. = F_0 - F_1 + 58.3000$

where F_L is the lower limit of the frequency range and F_0 is the operating frequency.

EXAMPLE: The receiver is to operate on 946.1250 MHz (F_0). Referring to TABLE 1, we find this is in the range of 942 - 952 MHz. From column two, we see that the 1st converter crystal must be 947.0 MHz. Using the above formula, 946.1250 - 942.0000 + 58.3000 = 62.4250.

NOTE: The above formula and example applies to R-15C/950 receivers having serial numbers above 275. R-15C/950 receivers with serial numbers below 275 covered a frequency range of 944 - 952 with a converter center frequency of 948 MHz and a synthesizer resolution of 25 KHz. Programming instructions were supplied with these receivers. Call the factory if you require a copy of these instructions. 2. Using the frequency programming TABLE 2, find 62.4250 in the L.O. column, then position the 16 "DIP" switches (S1 and S2) as indicated.

3. Place "TEST METER" switch in "AFC LEVEL" position. With synthesizer operating and "locked" indicated by the green "AFC LOCK" light, the "AFC LEVEL" should be zero (0) VU ± 1.5 VU. If the newly selected frequency differs from the original frequency by several megahertz, the VCO frequency should be adjusted for a "0 VU" AFC level as follows:

(a) Remove cover of the VCO box (located next to J1 on 800-291 board).

(b) Using an insulated adjustment tool such as Marti Part No. 930-100, adjust the variable capacitor C36 (see Drawing 702-099) for the "0 VU" reading. The plates of capacitor C36 should be between 10% - 30% of maximum (fully meshed). If not, set C36 in this position and adjust L6 for "0 VU" on the meter by using an insulated slug tuning tool such as Marti No. 930-069.

(c). Replace box cover being careful to properly engage all shield contact fingers.

4. If desired, the synthesized frequency can be measured at J1 using a frequency counter. The frequency should be the "L.O." frequency corresponding to the "Channel" frequency selected. Any error can be corrected by adjustment of C11 through the hole in the cover of the reference oscillator box cover on Board, 800-291. See Drawing 702-099 for location. Use insulated adjustment tool 730-069 or equivalent.

NOTE: The SQUELCH RELAY of the R-15C receiver will not open until the "AFC LOCK" light is on.

5. When the receiver operating frequency is changed more than 0.1%, the first converter adjustments, as well as C43, C46, and C48, of the pre-selector on Board 800-293 must be "peaked" (tuned for maximum "SIG LEVEL") in order to maintain performance.

TABLE 1.

Frequency Ranges 140 - 962 MHz with R-15C Receiver 1st Converter Crystal Formulas

Frequency Range (MHz) F _L - F _Ս	1st Converter Center Frequency	1st Converter Model	Crystal Formula	Measured Frequency at J1	Crystal Frequency (3rd Overtone)
140 -150	145.0	800-212C/150	(F+74)/6	(F+74)/3	36.5000
150 - 160	155.0	800-212C/150	(F+74)/6	(F+74)/3	38.1667
160 - 170	165.0	800-212C/150	(F+74)/6	(F+74)/3	39.8333
170 - 180	175.0	800-212C/150	(F+74)/6	(F+74)/3	41.5000
200 - 210	205.0	800-212C/215	(F+74)/6	(F+74)/2	46.5000
210 - 220	215.0	800-212C/215	(F+74)/6	(F+74)/2	48.1667
220 - 230	225.0	800-212C/215	(F+74)/6	(F+74)/2	49.8333
230 - 240	235.0	800-212C/215	(F+74)/6	(F+74)/2	51.5000
240 - 250	245.0	800-212C/215	(F+74)/6	(F+74)/2	53.1667
250 -260	255.0	800-212C/215	(F+74)/6	(F+74)/2	54.8333
280 - 290	285.0	800-213C/300	(F+74)/8	(F+74)/2	44.8750
290 - 300	295.0	800-213C/300	(F+74)/8	(F+74)/2	46.1250
300 - 310	305.0	800-213C/300	(F+74)/8	(F+74)/2	47.3750
310 - 320	315.0	800-213C/300	(F+74)/8	(F+74)/2	48.6250
320 - 330	325.0	800-213C/300	(F+74)/8	(F+74)/2	49.8750
330 - 340	335.0	800-213C/300	(F+74)/8	(F+74)/2	51.1250
400 - 410	405.0	800-213C/450	(F-74)/8	(F-74)/2	41.3750
410 - 420	415.0	800-213C/450	(F-74)/8	(F-74)/2	42.6250
420 - 430	425.0	800-213C/450	(F-74)/8	(F-74)/2	43.8750
430 - 440	435.0	800-213C/450	(F-74)/8	(F-74)/2	45.1250
440 - 450	445.0	800-213C/450	(F-74)/8	(F-74)/2	46.3750
450 - 460	455.0	800-213C/450	(F-74)/8	(F-74)/2	47.6250
460 - 470	465.0	800-213C/450	(F-74)/8	(F-74)/2	48.8750
470 - 480	475.0	800-213C/450	(F-74)/8	(F-74)/2	50.1250
832 - 842	837.0	800-211B/950	(F-74)/16	(F-74)/4	47.6875
842 - 852	847.0	800-211B/950	(F-74)/16	(F-74)/4	48.3125
852 - 862	857.0	800-211B/950	(F-74)/16	(F-74)/4	48.9375
862 - 872	867.0	800-211B/950	(F-74)/16	(F-74)/4	49.4625
872 - 882	877.0	800-211B/950	(F-74)/16	(F-74)/4	50.1875
882 - 892	887.0	800-211B/950	(F-74)/16	(F-74)/4	50.8125
892 - 902	897.0	800-211B/950	(F-74)/16	(F-74)/4	51.4375
902 - 912	907.0	800-211B/950	(F-74)/16	(F-74)/4	52.0625
912 - 922	917.0	800-211B/950	(F-74)/16	(F-74)/4	52.6875
922 - 932	927.0	800-211B/950	(F-74)/16	(F-74)/4	53.3125
932 - 942	937.0	800-211B/950	(F-74)/16	(F-74)/4	53.9375
942 - 952	947.0	800-211B/950	(F-74)/16	(F-74)/4	54.5625
944 - 952 See NOTE	948.0	800-211B/950	(F-74)/16	(F-74)/4	54.6250
952 - 962	957.0	800-211B/950	(F-74)/16	(F-74)/4	55.1875

NOTE: For receivers below serial number 275

TABLE 2.

R-15C Receiver Frequency Programming DIP Switch Settings (12.5 KHz steps for 10 MHz range)

L.O.	DIP Switch S1	DIP Switch S2
Freq.	12345678	9 10 11 12 13 14 15 16
MHz.		· · ·
68.3000	01010011	01010000
68.2875	01010001	0 1 0 1 0 1 1 1
68.2750	0 1 0 1 0 0 0 1	0 1 0 1 0 1 1 0
68.2625	01010001	01010011
68.2500	0 1 0 1 0 0 0 1	01010010
68.2375	0 1 0 1 0 0 0 1	0 1 0 1 0 1 0 1 0 1
68.2250	01010001	0 1 0 1 0 1 0 1
68.2125	0 1 0 1 0 0 0 1	01010001
68.2000	0 1 0 1 0 0 0 1	01010000
68.1875	0 0 0 1 0 0 1 1	0 1 0 1 0 1 1 1
68.1750	0 0 0 1 0 0 1 1	0 1 0 1 0 1 1 0
68.1625	0 0 0 1 0 0 1 1	01010011
68.1500	0 0 0 1 0 0 1 1	0 1 0 1 0 0 1 0
68.1375	0 0 0 1 0 0 1 1	0 1 0 1 0 1 0 1 0 1
68.1250	0 0 0 1 0 0 1 1	0 1 0 1 0 1 0 1 0 1
68.1125	0 0 0 1 0 0 1 1	0 1 0 1 0 1 0 0 0 1
68.1000	0 0 0 1 0 0 1 1	0 1 0 1 0 0 0 1
68.0875	0 0 0 1 0 0 1 1	0 1 0 1 0 0 0 0 0
68.0750	00010001	0 1 0 1 0 1 1 1
68.0625	0 0 0 1 0 0 0 1	0 1 0 1 0 1 1 0
68.0500	0 0 0 1 0 0 0 1	0 1 0 1 0 0 1 0
68.0375	0 0 0 1 0 0 0 1	0 1 0 1 0 0 1 0 1
68.0250	0 0 0 1 0 0 0 1	0 1 0 1 0 1 0 1
68.0125	0 0 0 1 0 0 0 1	0 1 0 1 0 1 0 0 0 1
68.0000	0 0 0 1 0 0 0 1	0 1 0 1 0 0 0 1
67.9875	0 1 1 0 0 0 1 1	0 1 0 1 0 0 0 0 0
67.9750	0 1 1 0 0 0 1 1	0 1 0 1 0 1 1 1
67.9625	0 1 1 0 0 0 1 1	01010110
67.9500	0 1 1 0 0 0 1 1	0 1 0 1 0 0 1 0
67.9375	01100011	0 1 0 1 0 1 0 1 0 1
67.9250	01100011	0 1 0 1 0 1 0 1
67.9125	01100011	0101010001
67.9000	01100011	0 1 0 1 0 0 0 0 1
67.8875	01100001	0 1 0 1 0 0 0 0 0
67.8750	01100001	0 1 0 1 0 1 1 0
67.8625	0 1 1 0 0 0 0 1	0 1 0 1 0 0 1 1
67.8500	0 1 1 0 0 0 0 1	0 1 0 1 0 0 1 0
67.8375	0 1 1 0 0 0 0 1	0 1 0 1 0 1 0 1 0 1
67.8250	0 1 1 0 0 0 0 1	0 1 0 1 0 1 0 0
67.8125	0 1 1 0 0 0 0 1	01010001
67.8000	0 1 1 0 0 0 0 1	0 1 0 1 0 0 0 0
67.7875	0 0 1 0 0 0 1 1	0 1 0 1 0 1 1 1
67.7750	00100011	01010110
67.7625	00100011	01010011
67.7500	00100011	0 1 0 1 0 0 1 0
67.7375	00100011	01010101
67.7250	00100011	01010100
67.7125	00100011	01010001
67.7000	0 0 1 0 0 0 1 1	0 1 0 1 0 0 0 0
67.6875	0 0 1 0 0 0 0 1	0 1 0 1 0 1 1 1
67.6750	0010001	0 1 0 1 0 1 1 0
67.6625	0 0 1 0 0 0 0 1	0 1 0 1 0 0 1 1
67.6500	00100001	0 1 0 1 0 0 1 0
67.6375	00100001	0 1 0 1 0 1 0 1 0 1
67.6250	00100001	0 1 0 1 0 1 0 1
	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	
67.6125	00100001	01010001

67.6000	00100001	01010000
67.5875	0 1 0 0 0 0 1 1	0 1 0 1 0 1 1 1
67.5750	01000011	01010110
-		
67.5625	0 1 0 0 0 0 1 1	0 1 0 1 0 0 1 1
67.5500	01000011	0 1 0 1 0 0 1 0
67.5375	0 1 0 0 0 0 1 1	0 1 0 1 0 1 0 1
67.5250	01000011	0 1 0 1 0 1 0 0
67.5125	01000011	01010001
67.5000	01000011	0 1 0 1 0 0 0 0
67.4875	01000001	01010111
67.4750	01000001	0 1 0 1 0 1 1 0
8		
67.4625	0100001	0 1 0 1 0 0 1 1
67.4500	01000001	0 1 0 1 0 0 1 0
67.4375	01000001	0 1 0 1 0 1 0 1
67.4250	01000001	0 1 0 1 0 1 0 0
67.4125	0100001	01010001
67.4000	01000001	01010000
67.3875	00000011	0 1 0 1 0 1 1 1
-	0 0 0 0 0 0 1 1	0 1 0 1 0 1 1 0
67.3750		
67.3625	00000011	0 1 0 1 0 0 1 1
67.3500	00000011	01010010
67.3375	00000011	0 1 0 1 0 1 0 1
67.3250	0 0 0 0 0 0 1 1	0 1 0 1 0 1 0 0
67.3125	0 0 0 0 0 0 1 1	0 1 0 1 0 0 0 1
L.O.	DIP Switch S1	DIP Switch S2
Freq.	12345678	9 10 11 12 13 14 15 16
MHz.		
		0 1 0 1 0 0 0 0
67.3000	00000011	01010000
67.2875	00000001	01010111
67.2750	00000001	0 1 0 1 0 1 1 0
67.2625	00000001	0 1 0 1 0 0 1 1
67.2500	00000001	0 1 0 1 0 0 1 0
67.2375	0 0 0 0 0 0 0 1	0 1 0 1 0 1 0 1
67.2250	00000001	0 1 0 1 0 1 0 0
67.2125	00000001	01010001
67.2000	00000001	01010000
67.1875	01111010	01010111
67.1750	0 1 1 1 1 0 1 0	0 1 0 1 0 1 1 0
67.1625	0 1 1 1 1 0 1 0	01010011
67.1500	0 1 1 1 1 0 1 0	0 1 0 1 0 0 1 0
67.1375	0 1 1 1 1 0 1 0	0 1 0 1 0 1 0 1
67.1250	0 1 1 1 1 0 1 0	0 1 0 1 0 1 0 0
67.1125	0 1 1 1 1 0 1 0	01010001
67.1000	01111010	01010000
67.0875	01111000	01010111
67.0750	0 1 1 1 1 0 0 0	0 1 0 1 0 1 1 0
67.0625	0 1 1 1 1 0 0 0	0 1 0 1 0 0 1 1
-		
67.0500		
67.0375	0 1 1 1 1 0 0 0	0 1 0 1 0 1 0 1
67.0250	0 1 1 1 1 0 0 0	0 1 0 1 0 1 0 0
67.0125	0 1 1 1 1 0 0 0	0 1 0 1 0 0 0 1
67.0000	0 1 1 1 1 0 0 0	0 1 0 1 0 0 0 0
66.9875	0 0 1 1 1 0 1 0	0 1 0 1 0 1 1 1
66.9750	00111010	0 1 0 1 0 1 1 0
66.9625	00111010	01010011
00.9025		
66.9500	0 0 1 1 1 0 1 0	0 1 0 1 0 0 1 0
66.9500 66.9375	0 0 1 1 1 0 1 0 0 0 1 1 1 0 1 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0
66.9500 66.9375 66.9250	0 0 1 1 0 1 0 0 0 1 1 1 0 1 0 0 0 1 1 1 0 1 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1
66.9500 66.9375	0 0 1 1 1 0 1 0 0 0 1 1 1 0 1 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0

66 0000	0 0 1 1 1 0 1 0	0 1 0 1 0 0 0 0
66.9000	00111010	01010000
66.8875	00111000	0 1 0 1 0 1 1 1
66.8750	00111000	0 1 0 1 0 1 1 0
66.8625	00111000	01010011
66.8500	00111000	0 1 0 1 0 0 1 0
66.8375	0 0 1 1 1 0 0 0	0 1 0 1 0 1 0 1
66.8250	0 0 1 1 1 0 0 0	0 1 0 1 0 1 0 0
66.8125	0 0 1 1 1 0 0 0	0 1 0 1 0 0 0 1
66.8000	00111000	01010000
66.7875	0 1 0 1 1 0 1 0	01010111
66.7750	01011010	01010110
66.7625	01011010	01010011
66.7500	0 1 0 1 1 0 1 0	0 1 0 1 0 0 1 0
66.7375	0 1 0 1 1 0 1 0	0 1 0 1 0 1 0 1
66.7250	0 1 0 1 1 0 1 0	01010100
66.7125	0 1 0 1 1 0 1 0	0 1 0 1 0 1 0 0 0 1
66.7000	0 1 0 1 1 0 1 0	0 1 0 1 0 0 0 0
66.6875	01011000	01010111
66.6750	01011000	0 1 0 1 0 1 1 0
66.6625	0 1 0 1 1 0 0 0	01010011
66.6500	0 1 0 1 1 0 0 0	0 1 0 1 0 0 1 0
66.6375	0 1 0 1 1 0 0 0	01010101
66.6250	0 1 0 1 1 0 0 0	0 1 0 1 0 1 0 0
66.6125	0 1 0 1 1 0 0 0	01010001
66.6000	01011000	01010000
66.5875	0 0 0 1 1 0 1 0	01010111
66.5750	0 0 0 1 1 0 1 0	0 1 0 1 0 1 1 0
66.5625	0 0 0 1 1 0 1 0	01010011
66.5500	0 0 0 1 1 0 1 0	0 1 0 1 0 0 1 0
66.5375	0 0 0 1 1 0 1 0	
66.5250	0 0 0 1 1 0 1 0	0 1 0 1 0 1 0 0
66.5125	0 0 0 1 1 0 1 0	0 1 0 1 0 0 0 1
66.5000	00011010	01010000
66.4875	00011000	0 1 0 1 0 1 1 1
66.4750	0 0 0 1 1 0 0 0	0 1 0 1 0 1 1 0
66.4625	0 0 0 1 1 0 0 0	0 1 0 1 0 0 1 1
66.4625 66.4500	0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0	0 1 0 1 0 0 1 1 0 1 0 1 0 0 1 0
66.4500	0 0 0 1 1 0 0 0	0 1 0 1 0 0 1 0
66.4500 66.4375	00011000	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1
66.4500 66.4375 66.4250 66.4125	0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0 0 0 0 0 1 1 0 0	0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
66.4500 66.4375 66.4250 66.4125 66.4000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125 L.O.	0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1	0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125 L.O. Freq. MHz.	0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1	0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125 L.O. Freq. MHz. 66.3000	0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 1 0 0 1 1 1 0 1 0 0 1 1 1 0 1 0 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1 1 0 1 <t< td=""><td>0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 0 0 0</td></t<>	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 0 0 0
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875	0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750	0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 1 0 0 1 1 1 0 1 0 0 1 1 1 0 1 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 0 0 0 0 0 1 <t< td=""><td>0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 1 0 1 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 1 0 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td></t<>	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 1 0 1 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 0 1 1 1 1 1 1 0 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2625	0 0 0 1 1 0 0 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 0 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 0 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 0 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 0 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 0 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 0 0 0 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 0 0 0 0 1 1 0 0 0 0 0 0 0 1 0 0 0 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 0 1 1
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2625 66.2500	0 0 0 1 1 0 0 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 0 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 0
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2625 66.2500 66.2375	0 0 0 1 1 0 0 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 0 0 0 1 1 0 0 0 0 0 0 0 1 1 0 0 0 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3250 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2750 66.2625 66.2250	0 0 0 1 1 0 0 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 0 0 0 1 1 0 0 0 0 1 1 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3500 66.3375 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2625 66.2500 66.2375 66.2250 66.2125	0 0 0 1 1 0 0 0 0 0 0 1 1 0 1 0 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 0 0 0 0 1 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2750 66.2750 66.2250 66.2250 66.2250 66.2250 66.2125 66.2000	0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 1 1 0 1 0 0 0 1 1 0 1 0 0 0 1 1 0 1 0 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 1 0 1 0 0 0 1 1 0 1 0 0 0 1 1 0 1 0 0 0 1 1 0 1 0 <t< td=""><td>0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0</td></t<>	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2750 66.2750 66.2750 66.2255 66.2250 66.2250 66.2125 66.2000 66.1875	0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 0 1 0 0 1 1 1 0 1 0 0 1 1 1 0 1 0 0 1 1 0 1 0 0 0 1 1 0 1 0 0 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2750 66.2750 66.2250 66.2250 66.2250 66.2125 66.2000	0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 1 1 0 1 0 0 0 1 1 0 1 0 0 0 1 1 0 1 0 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 1 0 1 0 0 0 1 1 0 1 0 0 0 1 1 0 1 0 0 0 1 1 0 1 0 <t< td=""><td>0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 1 0</td></t<>	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 1 0
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3250 66.3250 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2625 66.2250 66.2250 66.2250 66.2125 66.2250 66.2125 66.2250 66.2125 66.2125 66.2125 66.2125 66.2125 66.2125 66.2125 66.2125 66.2125 66.2125 66.2125 66.2125 66.2125 66.2125 66.2125	0 0 0 1 1 0 0 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 0 0 0 1 1 0 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2750 66.2625 66.2500 66.2250 66.2250 66.2250 66.2125 66.2125 66.2000 66.1875 66.1750	0 0 0 1 1 0 0 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 0 0 0 0 1 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0
66.4500 66.4375 66.4250 66.4125 66.4000 66.3875 66.3750 66.3625 66.3250 66.3250 66.3250 66.3125 L.O. Freq. MHz. 66.3000 66.2875 66.2750 66.2625 66.2250 66.2250 66.2250 66.2125 66.2250 66.2125 66.2250 66.2125 66.2250 66.2125 66.2150 66.2155 66.2150 66.2155 66.2150 66.2155 66.2150 66.2155 66.2150 66.2155 66.2150 66.2155	0 0 0 1 1 0 0 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 DIP Switch S1 1 2 3 4 5 6 7 8 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 1 0 0 0 1 1 0 1 0 0 0 0 1 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

66.1250	00101010	0 1 0 1 0 1 0 0
66.1125	00101010	01010001
66.1000	0 0 1 0 1 0 1 0	0 1 0 1 0 0 0 0
66.0875	0 0 1 0 1 0 0 0	01010111
66.0750	00101000	01010110
66.0625	00101000	01010011
66.0500	0 0 1 0 1 0 0 0	0 1 0 1 0 0 1 0
66.0375	00101000	0 1 0 1 0 1 0 1
66.0250	00101000	01010100
66.0125	00101000	01010001
66.0000	0 0 1 0 1 0 0 0	01010000
65.9875	0 1 0 0 1 0 1 0	0 1 0 1 0 1 1 1
65.9750	0 1 0 0 1 0 1 0	0 1 0 1 0 1 1 0
65.9625	0 1 0 0 1 0 1 0	01010011
65.9500	01001010	01010010
65.9375	0 1 0 0 1 0 1 0	0 1 0 1 0 1 0 1
65.9250	0 1 0 0 1 0 1 0	0 1 0 1 0 1 0 0
65.9125	0 1 0 0 1 0 1 0	0 1 0 1 0 0 0 1
65.9000	01001010	01010000
65.8875	01001000	0 1 0 1 0 1 1 1
65.8750	0 1 0 0 1 0 0 0	0 1 0 1 0 1 1 0
65.8625	0 1 0 0 1 0 0 0	0 1 0 1 0 0 1 1
65.8500	0 1 0 0 1 0 0 0	01010010
65.8375	0 1 0 0 1 0 0 0	0 1 0 1 0 1 0 1
65.8250	0 1 0 0 1 0 0 0	0 1 0 1 0 1 0 0
65.8125	0 1 0 0 1 0 0 0	0101010001
65.8000	0 1 0 0 1 0 0 0	0 1 0 1 0 0 0 1
65.7875	0 0 0 0 1 0 1 0	0 1 0 1 0 1 1 1
65.7750	00001010	01010110
65.7625	0 0 0 0 1 0 1 0	01010011
65.7500	0 0 0 0 1 0 1 0	01010010
65.7375	0 0 0 0 1 0 1 0	0 1 0 1 0 1 0 1
65.7250	0 0 0 0 1 0 1 0	0 1 0 1 0 1 0 0
65.7125	0 0 0 0 1 0 1 0	0 1 0 1 0 0 0 1
65.7000	0 0 0 0 1 0 1 0	0 1 0 1 0 0 0 0
65.6875	0 0 0 0 1 0 1 0	0 1 0 1 0 0 0 0
65.6750	0 0 0 0 1 0 0 0	0 1 0 1 0 1 1 0
65.6625	0 0 0 0 1 0 0 0	01010011
65.6500	0 0 0 0 1 0 0 0	01010010
65.6375	0 0 0 0 1 0 0 0	0 1 0 1 0 1 0 1
65.6250	0 0 0 0 1 0 0 0	0 1 0 1 0 1 0 0
65.6125	0 0 0 0 1 0 0 0	01010001
65.6000	00001000	01010000
65.5875	0 1 1 1 0 0 1 0	0 1 0 1 0 1 1 1
65.5750	0 1 1 1 0 0 1 0	0 1 0 1 0 1 1 0
65.5625	0 1 1 1 0 0 1 0	01010110
65.5500		
65.5375	0 1 1 1 0 0 1 0	0 1 0 1 0 1 0 1
65.5250	0 1 1 1 0 0 1 0	0 1 0 1 0 1 0 0
65.5125	0 1 1 1 0 0 1 0	01010001
65.5000	0 1 1 1 0 0 1 0	0 1 0 1 0 0 0 0
65.4875	0 1 1 1 0 0 0 0	0 1 0 1 0 1 1 1
65.4750	01110000	01010110
	0 1 1 1 0 0 0 0	
65.4625		01010011
65.4625 65.4500		
65.4500	0 1 1 1 0 0 0 0	0 1 0 1 0 0 1 0
65.4500 65.4375	0 1 1 1 0 0 0 0 0 1 1 1 0 0 0 0	0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1
65.4500 65.4375 65.4250	0 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0	0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0
65.4500 65.4375 65.4250 65.4125	0 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0	0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 1 0 1
65.4500 65.4375 65.4250 65.4125 65.4000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
65.4500 65.4375 65.4250 65.4125 65.4000 65.3875	0 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
65.4500 65.4375 65.4250 65.4125 65.4000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
65.4500 65.4375 65.4250 65.4125 65.4000 65.3875	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
65.4500 65.4375 65.4250 65.4125 65.4000 65.3875 65.3750	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
65.4500 65.4375 65.4250 65.4125 65.4000 65.3875 65.3750 65.3625 65.3500	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
65.4500 65.4375 65.4250 65.4125 65.4000 65.3875 65.3750 65.3625 65.3500 65.3375	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
65.4500 65.4375 65.4250 65.4125 65.4000 65.3875 65.3750 65.3625 65.3500	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

L.O.	DIP Switch S1	DIP Switch S2
Freq.	1 2 3 4 5 6 7 8	9 10 11 12 13 14 15 16
MHz.		
65.3000	0 0 1 1 0 0 1 0	0 1 0 1 0 0 0 0
65.2875 65.2750	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
65.2625	00110000	0 1 0 1 0 1 1 0
65.2500	00110000	01010010
65.2375	00110000	0 1 0 1 0 1 0 1
65.2250	0 0 1 1 0 0 0 0	0 1 0 1 0 1 0 0
65.2125	00110000	01010001
65.2000	00110000	0 1 0 1 0 0 0 0
65.1875 65.1750	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
65.1625	0 1 0 1 0 0 1 0	0 1 0 1 0 1 1 0
65.1500	0 1 0 1 0 0 1 0	01010010
65.1375	0 1 0 1 0 0 1 0	0 1 0 1 0 1 0 1
65.1250	01010010	0 1 0 1 0 1 0 0
65.1125	0 1 0 1 0 0 1 0	01010001
65.1000	0 1 0 1 0 0 1 0	0 1 0 1 0 0 0 0
65.0875	0 1 0 1 0 0 0 0	0 1 0 1 0 1 1 1
65.0750 65.0625	0 1 0 1 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0	0 1 0 1 0 1 1 0 0 1 0 1 0 0 1 1
65.0500	0 1 0 1 0 0 0 0	0 1 0 1 0 0 1 0
65.0375	0 1 0 1 0 0 0 0	0 1 0 1 0 1 0 1 0 1
65.0250	01010000	0 1 0 1 0 1 0 0
65.0125	0 1 0 1 0 0 0 0	0 1 0 1 0 0 0 1
65.0000	0 1 0 1 0 0 0 0	0 1 0 1 0 0 0 0
64.9875	0 0 0 1 0 0 1 0	0 1 0 1 0 1 1 1
64.9750 64.9625	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
64.9625 64.9500	00010010	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
64.9375	0 0 0 1 0 0 1 0	0 1 0 1 0 0 1 0 1
64.9250	0 0 0 1 0 0 1 0	0 1 0 1 0 1 0 0
64.9125	0 0 0 1 0 0 1 0	01010001
64.9000	0 0 0 1 0 0 1 0	0 1 0 1 0 0 0 0
64.8875	0 0 0 1 0 0 0 0	0 1 0 1 0 1 1 1
64.8750	00010000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
64.8625 64.8500	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
64.8375	0 0 0 1 0 0 0 0	0 1 0 1 0 1 0 1 0 1
64.8250	0 0 0 1 0 0 0 0	0 1 0 1 0 1 0 0
64.8125	00010000	01010001
64.8000	0 0 0 1 0 0 0 0	0 1 0 1 0 0 0 0
64.7875	0 1 1 0 0 0 1 0	0 1 0 1 0 1 1 1
64.7750	0 1 1 0 0 0 1 0	0 1 0 1 0 1 1 0
64.7625 64.7500	0 1 1 0 0 0 1 0	0 1 0 1 0 0 1 1 0 1 0 1 0 0 1 0
64.7375	0 1 1 0 0 0 1 0	0 1 0 1 0 1 0 1 0 1
64.7250	0 1 1 0 0 0 1 0	0 1 0 1 0 1 0 0
64.7125	0 1 1 0 0 0 1 0	01010001
64.7000	0 1 1 0 0 0 1 0	0 1 0 1 0 0 0 0
64.6875	0 1 1 0 0 0 0 0	0 1 0 1 0 1 1 1
64.6750	0 1 1 0 0 0 0 0	0 1 0 1 0 1 1 0
64.6625 64.6500	0 1 1 0 0 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0	0 1 0 1 0 0 1 1 0 1 0 1 0 0 1 0
64.6300	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
64.6250	0 1 1 0 0 0 0 0	0 1 0 1 0 1 0 0
64.6125	0 1 1 0 0 0 0 0	0 1 0 1 0 0 0 1
64.6000	01100000	01010000
64.5875	00100010	0 1 0 1 0 1 1 1
64.5750	0 0 1 0 0 0 1 0	0 1 0 1 0 1 1 0
64.5625	0 0 1 0 0 0 1 0	0 1 0 1 0 0 1 1
64.5500	0 0 1 0 0 0 1 0	0 1 0 1 0 0 1 0
64.5375	00100010	0 1 0 1 0 1 0 1

64.5125 0 0 1 0 1 0 1 0 1 0 1 0 1 0 </th <th></th> <th></th>		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	64.5250	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		00100010 01010001
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	64.5000	00100010 01010000
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	64.4875	0 0 1 0 0 0 0 0 0 1 0 1 0 1 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	64.4750	0 0 1 0 0 0 0 0 1 0 1 0 1 1 0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	64.4625	00100000 01010011
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	64.4500	00100000 01010010
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		00100000 01010101
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		0010000001010100
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
64.3250 0 1 0 0 0 1 0 1 0 1 0 1 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 <td></td> <td></td>		
64.3125 0 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 1 0 0 0 1 0 0 0 1 0 </td <td></td> <td></td>		
L.O. DIP Switch S1 DIP Switch S2 Freq. 1 2 3 4 5 6 7 8 91011213141516 MHz. 91011213141516 64.3000 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 0 0 64.2875 0 1 0 0 0 0 0 0 0 1 0 1 0 1 0 1 1 1 64.2625 0 1 0 0 0 0 0 0 0 0 1 0 1 0 1 0 0 1 0 64.2625 0 1 0 0 0 0 0 0 0 0 1 0 1 0 1 0 0 1 0 64.2375 0 1 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 64.2250 0 1 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 64.2250 0 1 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 64.2250 0 1 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 64.2000 0 1 0 0 0 0 0 0 0 0 1 0 0 1 0 1 0 1 0 1 0 1 64.1250 0 0 0 0 0 0 1 0 0 1 0 1 0 1 0 1 0 1 64.1625 0 0 0 0 0 0 0 1 0 0 1 0 1 0 1 0 1 0 64.1625 0 0 0 0 0 0 0 0 1 0 0 1 0 1 0 1 0 1 0 64.1250 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 0 64.1250 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0 1 0 1 64.0055 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Freq. MHz. 1 2 3 4 5 6 7 8 910111213141516 64.3000 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0 <td< td=""><td>64.3125</td><td>0 1 0 0 0 0 1 0 0 1 0 1 0 0 0 1</td></td<>	64.3125	0 1 0 0 0 0 1 0 0 1 0 1 0 0 0 1
MHz. 0 1 0 0 1 0 1 0 1 0 1 1 0 1 1 0 1 1 1 1 1 1 1 1	L.O.	DIP Switch S1 DIP Switch S2
MHz. Hz. 64.3000 0 1 0 0 1 0 1 0 0 0 1 1 1 1 64.2875 0 1 0 0 0 0 1 0 1 1 1 1 64.2750 0 1 0 0 0 0 1 1 0 1 1 0 <td>Freq.</td> <td>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16</td>	Freq.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
64.2875 0 1 0 0 0 0 0 0 1 0 1 1 1 64.2625 0 1 0 0 0 0 0 1 1 0 1 1 0 1 1 0 1 1 1 <		
64.2875 0 1 0 0 0 0 0 0 1 0 1 1 1 64.2625 0 1 0 0 0 0 0 1 1 0 1 1 0 1 1 0 1 1 1 <	64.3000	01000010 01010000
64.2750 0 1 0 0 0 0 0 0 1 0 <td></td> <td></td>		
64.2625010000010011 64.2375 01000000100000101010101010101010101010100 <td></td> <td></td>		
64.2500 0 1 0 0 0 0 0 0 1 1 1 0 0 1 0 1 0 1 0 1 1 1 1 1 1 1 0 1 0 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 0 1 1 0 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <td></td> <td></td>		
64.237501000001010101010101000000101000		
64.2250010000010100 64.2125 0100000110000 64.2000 01000001010101000 64.1875 000001010101111 64.1625 0000010101010110110110110110110101010101010101010101010101010100 </td <td></td> <td></td>		
64.2125010000010001 64.2000 010000010101000 64.1875 0000010101010111 64.1625 00000101010101110 64.1625 000001000 </td <td></td> <td></td>		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
64.1875 0 0 0 0 1 0 1 0 1 1 1 64.1750 0 0 0 0 1 0 1 0 1 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 0 <		
64.1750 0 0 0 0 0 0 1 0 1 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 0 <td></td> <td></td>		
64.1625 0 0 0 0 1 0 1 0 1 0 1 0 1 1 0 1 1 0 0 <td>64.1875</td> <td>00000010 01010111</td>	64.1875	00000010 01010111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		0 0 0 0 0 0 1 0 0 1 0 1 0 1 1 0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	64.1625	0 0 0 0 0 1 0 0 1 0 1 0 0 1 1
64.1250 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 1 0 <td>64.1500</td> <td>0 0 0 0 0 0 1 0 0 1 0 1 0 0 1 0</td>	64.1500	0 0 0 0 0 0 1 0 0 1 0 1 0 0 1 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	64.1375	0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	64.1250	0 0 0 0 0 0 1 0 1 0 1 0 1 0 0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	64.1125	0 0 0 0 0 0 1 0 0 1 0 1 0 0 0 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	64.1000	0 0 0 0 0 0 1 0 1 0 1 0 0 0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		00000000 0101011
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	64.0750	00000000001010110
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	64.0625	00000000001010011
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
63.9250 0 1 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 1 0 1 0 0 0 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 1 1 1 1 0 0 1 </td <td></td> <td></td>		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
63.9000 0 1 1 1 0 1 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </td <td></td> <td></td>		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		
63.8750 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 </td <td></td> <td></td>		
63.8625 0 1 1 1 0 1 1 0 0 1 1 63.8500 0 1 1 1 0 1 1 0 0 1 1 63.8375 0 1 1 1 0 0 1 0 0 0 1 1 0 1 1 0 0 1 1 1 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 1 0 1 1 1 1 1 <td>63.8875</td> <td>01111001 10010111</td>	63.8875	01111001 10010111
63.8500 0 1 1 1 0 1 1 0 0 1 0 0 1 0 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 1 1 0 1 </td <td>63.8750</td> <td>0 1 1 1 1 0 0 1 1 0 0 1 0 1 1 0</td>	63.8750	0 1 1 1 1 0 0 1 1 0 0 1 0 1 1 0
63.8375 0 1 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 0 0 1 1 1 1 1 0 0 1 </td <td>63.8625</td> <td>0 1 1 1 1 0 0 1 1 0 0 1 0 0 1 1</td>	63.8625	0 1 1 1 1 0 0 1 1 0 0 1 0 0 1 1
63.8250 0 1 1 1 0 1 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 1 0 1 1 1 0 0 0 1 </td <td>63.8500</td> <td>0 1 1 1 1 0 0 1 1 0 0 1 0 0 1 0</td>	63.8500	0 1 1 1 1 0 0 1 1 0 0 1 0 0 1 0
63.8125 0 1 1 1 0 1 1 0 0 1 63.8000 0 1 1 1 0 1 1 0 0 0 1 63.7875 0 0 1 1 0 1 <td>63.8375</td> <td>01111001 10010101</td>	63.8375	01111001 10010101
63.8125 0 1 1 1 0 1 1 0 0 1 63.8000 0 1 1 1 0 1 1 0 0 0 1 63.7875 0 0 1 1 0 1 <td>63.8250</td> <td>0 1 1 1 1 0 0 1 1 0 0 1 0 1 0 0</td>	63.8250	0 1 1 1 1 0 0 1 1 0 0 1 0 1 0 0
63.8000 0 1 1 1 1 0 0 1 1 0 0 1 0 0 0 0 63.7875 0 0 1 1 1 0 1 1 1 0 0 1 0 1 0 1 1 63.7750 0 0 1 1 1 0 1 1 1 0 0 1 0 1 0 1 1		
63.7875 0 0 1 1 1 0 1 </td <td></td> <td></td>		
63.7750 00111011 10010110		
03.7023 00111011 10010011		
	03.1023	

CO 7500	00111011	1 0 0 1 0 0 1 0
63.7500	00111011	10010010
63.7375	00111011	10010101
63.7250	00111011	10010100
63.7125	0 0 1 1 1 0 1 1	10010001
63.7000	00111011	10010000
63.6875	00111001	1 0 0 1 0 1 1 1
63.6750	0 0 1 1 1 0 0 1	1 0 0 1 0 1 1 0
63.6625	0 0 1 1 1 0 0 1	1 0 0 1 0 0 1 1
63.6500	00111001	1 0 0 1 0 0 1 0
63.6375	00111001	1 0 0 1 0 1 0 1
63.6250	00111001	1 0 0 1 0 1 0 0
63.6125	00111001	10010001
63.6000	00111001	10010000
63.5875	01011011	10010111
63.5750	01011011	10010110
63.5625	01011011	10010011
63.5500	0 1 0 1 1 0 1 1	10010010
63.5375	0 1 0 1 1 0 1 1	10010101
63.5250	0 1 0 1 1 0 1 1	10010101
63.5125	0 1 0 1 1 0 1 1	100101000
63.5125	0 1 0 1 1 0 1 1	
63.4875	01011001	
63.4750	0 1 0 1 1 0 0 1	1 0 0 1 0 1 1 0
63.4625	0 1 0 1 1 0 0 1	10010011
63.4500	0 1 0 1 1 0 0 1	10010010
63.4375	0 1 0 1 1 0 0 1	10010101
63.4250	0 1 0 1 1 0 0 1	10010100
63.4125	0 1 0 1 1 0 0 1	10010001
63.4000	0 1 0 1 1 0 0 1	10010000
63.3875	0 0 0 1 1 0 1 1	1 0 0 1 0 1 1 1
63.3750	0 0 0 1 1 0 1 1	1 0 0 1 0 1 1 0
63.3625	0 0 0 1 1 0 1 1	1 0 0 1 0 0 1 1
63.3500	0 0 0 1 1 0 1 1	10010010
03.3300		
63.3375	0 0 0 1 1 0 1 1	10010101
		1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 0
63.3375	0 0 0 1 1 0 1 1	
63.3375 63.3250	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1	10010100
63.3375 63.3250 63.3125	0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1	1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 1
63.3375 63.3250 63.3125 L.O.	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2
63.3375 63.3250 63.3125 L.O. Freq.	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2
63.3375 63.3250 63.3125 L.O. Freq. MHz.	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 0 0 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 0 1	1 0 0 1 0 1 0 0 0 1 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2375	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1	1 0 0 1 0 1 0 0 0 1 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 1
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2000	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 1
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2750 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2000 63.1875	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 0 1 0 0 1 0 0 1 0 0 0 0 1 1 0 0 1 0 0 0 0 1 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 1 1 0 0 1 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2125 63.2000 63.1875 63.1750	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 0 1 0 1 1 0 1 0 1 1 0 1 1 0 1 0 1 1	1 0 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 0 0 0 1 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 1 1 1 0 0 1 0 1 0 1 1 1 1 1 0 0 1 0 1 0 1 1 1 1
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2750 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2000 63.1875 63.1750 63.1625	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 1	1 0 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 0 0 0 0 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 1 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2250 63.2250 63.2250 63.2125 63.2250 63.2125 63.2000 63.1875 63.1750 63.1625 63.1500	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 0 0 0 1 1 0 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1	1 0 0 1 0 1 0 0 0 1 DIP Switch S2 91011213141516 1 0 0 1 0 0 0 0 1 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2250 63.2250 63.2250 63.2125 63.2000 63.1875 63.1750 63.1625 63.1500 63.1375	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 1	1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 1 1 0 0 1 0 0 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2250 63.2250 63.2250 63.2125 63.2000 63.1875 63.1750 63.1625 63.1500 63.1375 63.1250	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 1 0 1 1 0 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 1 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0	1 0 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2250 63.2250 63.2250 63.2125 63.2000 63.1875 63.1750 63.1625 63.1500 63.1375 63.1250	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 0 1 1 0 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 1 1 0 1 0 1 1 0 1 0 1 1 1 0 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 1 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 1 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 1 1 0 1 0 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0	1 0 0 1 0 1 0 0 0 1 DIP Switch S2 910 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 0 1 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0 0 0 0 1 1 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2000 63.1875 63.1625 63.1625 63.1500 63.1375 63.1250 63.1125 63.1000	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 0 0 1 0 1 0 0 0 1 DIP Switch S2 910 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 1 0 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 1 0 0 1 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 1 0 0 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2000 63.1875 63.1625 63.1625 63.1500 63.1375 63.1250 63.1255 63.1000 63.0875	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1 0 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 15 15 1 0 0 1 0 1 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 0 1 1 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2000 63.1875 63.1625 63.1625 63.1500 63.1375 63.1250 63.1255 63.1250 63.1125 63.1000 63.0875 63.0750	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 1 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 1 1 0 1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 1 0 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 1 0 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2250 63.1255 63.1625 63.1625 63.1250 63.1250 63.1250 63.1250 63.1255 63.1000 63.0875 63.0750 63.0625	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 1 0 1 0 1 0 1 0 1 1 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0	1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2000 63.1875 63.1250 63.1625 63.1250 63.000 63.00750 63.0050 63.0050 63.05000 63.05000 63.05000 63.05000 63.05000 63.0500000000000000000000000000000000000	0 0 0 1 1 0 1 1 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 1 1 0 1 1 0 0 0 1 1 0 0 1 0 0 0 1 1 0 1 1 0 1 1 0 1 0 0 1 0 1 1 0 0 1 0 0 1 0 1 1 0 1 0 0 1 0 1 1 0 0 0 0 1 0 1 1 0 0 0 0 0 1 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2625 63.2250 63.2250 63.2250 63.2250 63.2125 63.2000 63.1875 63.1250 63.1625 63.1500 63.1375 63.1250 63.0375 63.0500 63.0575 63.0500 63.0575 63.0500 63.0575	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2375 63.2250 63.2250 63.2250 63.2125 63.2000 63.1875 63.1750 63.1625 63.1250 63.1250 63.1250 63.1250 63.1250 63.1250 63.1000 63.0875 63.0750 63.0625 63.0500 63.0375 63.0250	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2000 63.1875 63.1250 63.1250 63.1250 63.1250 63.1250 63.1250 63.0750 63.0750 63.0625 63.0500 63.0375 63.0250 63.0125	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2750 63.2625 63.2250 63.2250 63.2125 63.2250 63.2125 63.1000 63.1875 63.1250 63.1255 63.1250 63.1255 63.0000 63.0875 63.0750 63.0255 63.0250 63.0125 63.0000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
63.3375 63.3250 63.3125 L.O. Freq. MHz. 63.3000 63.2875 63.2750 63.2625 63.2500 63.2375 63.2250 63.2250 63.2125 63.2000 63.1875 63.1250 63.1250 63.1250 63.1250 63.1250 63.1250 63.0750 63.0750 63.0625 63.0500 63.0375 63.0250 63.0125	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

62.9750	00101011	1 0 0 1 0 1 1 0
62.9625	0 0 1 0 1 0 1 1	10010011
62.9500	00101011	10010010
62.9375	00101011	10010101
62.9250	00101011	10010100
62.9125	00101011	10010001
62.9000		10010000
62.8875	00101001	10010111
62.8750	00101001	10010110
62.8625	00101001	10010011
62.8500	00101001	1 0 0 1 0 0 1 0
62.8375	00101001	10010101
62.8250	00101001	10010100
62.8125	00101001	10010001
62.8000	00101001	10010000
62.7875	01001011	10010111
62.7750	01001011	10010110
62.7625	01001011	10010011
62.7500	01001011	10010010
62.7375	01001011	10010101
62.7250	01001011	10010100
62.7125	0 1 0 0 1 0 1 1	10010001
62.7000		
	0 1 0 0 1 0 1 1	10010000
62.6875	01001001	10010111
62.6750	01001001	10010110
62.6625	01001001	10010011
62.6500	01001001	10010010
62.6375	01001001	10010101
62.6250	01001001	10010100
62.6125	01001001	10010001
62.6000	01001001	10010001
62.5875	0 0 0 0 1 0 1 1	
62.5750	00001011	10010110
62.5625	0 0 0 0 1 0 1 1	10010011
62.5500	0 0 0 0 1 0 1 1	10010010
62.5375	0 0 0 0 1 0 1 1	10010101
62.5250	00001011	10010100
62.5125	0 0 0 0 1 0 1 1	10010001
62.5000		
UC	0 0 0 0 1 0 1 1	10010000
	0 0 0 0 1 0 1 1	
62.4875	00001001	10010111
62.4875 62.4750	00001001 00001001	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625	00001001	10010111
62.4875 62.4750	00001001 00001001	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625	0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 0 1 0 0 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500	0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4250 62.4125	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4250 62.4125 62.4000	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4125 62.4000 62.3875	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500 62.3375	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500 62.3375 62.3250 62.3125	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500 62.3375 62.3250 62.3125 L.O.	0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0	1 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 0 1 0 0 1 0 1 0 1 1 1 1 0 0 1 0 1 0 1 0 1 1 1 1 1 0 1 0 1
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500 62.3375 62.3250 62.3125 L.O. Freq.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500 62.3375 62.3250 62.3125 L.O. Freq. MHz.	0 0 0 0 1 0 1 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 0	1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500 62.3375 62.3250 62.3125 L.O. Freq.	0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0	1 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 0 1 0 0 1 0 1 0 1 1 1 1 0 0 1 0 1 0 1 0 1 1 1 1 1 0 1 0 1
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500 62.3375 62.3250 62.3125 L.O. Freq. MHz.	0 0 0 0 1 0 1 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 0 1 0	1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500 62.3375 62.3250 62.3125 L.O. Freq. MHz. 62.3000	0 0 0 0 1 0 1 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1 0 0 1 1 0 0 1 1 1 0 0 1 1 0 0 0 1 1 1 0 0 1 1 0 0 0 0 1 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 0 1 1 1 1 0 0 1 0 1
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500 62.3375 62.3250 62.3125 L.O. Freq. MHz. 62.3000 62.2875 62.2750	0 0 0 1 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 <t< td=""><td>1 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 0 1 0 0 1 0 1 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 0 0 1 1 0 0 1 0 1 0 1 0 1 1 1 1 0 1 0 1 0 1 0 1 1 1 1 1 0 1 0 1</td></t<>	1 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 0 1 0 0 1 0 1 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 1 0 0 1 0 1 0 0 0 1 1 0 0 1 0 1 0 1 0 1 1 1 1 0 1 0 1 0 1 0 1 1 1 1 1 0 1 0 1
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3500 62.3375 62.3250 62.3125 L.O. Freq. MHz. 62.3000 62.2875 62.2750 62.2625	0 0 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 0 0 1 0 0 1 1 0 1 0 1 1 0 0 1 1 1 1 1 0 1 1 1 0 0 1	1 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4000 62.3875 62.3750 62.3625 62.3250 62.3250 62.3125 L.O. Freq. MHz. 62.3000 62.2875 62.2750 62.2250	0 0 0 1 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 1 0 0 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 1 0 1 1 0 0 1 <t< td=""><td>1 0 1 0 1 1 1 1 0 0 1 0 1</td></t<>	1 0 1 0 1 1 1 1 0 0 1 0 1
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4250 62.3750 62.3750 62.3625 62.3750 62.3125 L.O. Freq. MHz. 62.3000 62.2875 62.2750 62.2625 62.2500 62.2375	0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0	1 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4250 62.3875 62.3750 62.3625 62.3500 62.3375 62.3250 62.3125 L.O. Freq. MHz. 62.3000 62.2875 62.2750 62.2250	0 0 0 1 0 1 0 0 0 1 0 1 0 1 0 0 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 1 1 0 0 1 1 0 1 1 0 1 1 0 0 1 1 0 1 1 0 1 1 0 0 1 1 0 1 1 0 1 1 0 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1	1 0 1 0 1 1 1 1 0 0 1 0 1
62.4875 62.4750 62.4625 62.4500 62.4375 62.4250 62.4125 62.4250 62.3750 62.3750 62.3625 62.3750 62.3125 L.O. Freq. MHz. 62.3000 62.2875 62.2750 62.2625 62.2500 62.2375	0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0	1 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1

62.2000	01110001	10010000
62.1875	0 0 1 1 0 0 1 1	10010111
62.1750	00110011	10010110
62.1625	00110011	10010011
62.1500	0 0 1 1 0 0 1 1	10010010
62.1375	0 0 1 1 0 0 1 1	10010101
62.1250	0 0 1 1 0 0 1 1	10010100
62.1125	00110011	10010001
62.1000	00110011	10010000
62.0875	00110001	10010111
62.0750	00110001	10010110
62.0625	00110001	10010011
62.0500	00110001	10010010
62.0375	00110001	10010101
62.0250	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 1 & 0 & 0 & 1 & 0 & 1 & 0 & 0 \\ 1 & 0 & 0 & 1 & 0 & 0 & 0 & 1 \end{array}$
62.0125 62.0000	00110001	10010001
61.9875 61.9750	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
61.9625	0 1 0 1 0 0 1 1	10010110
61.9500	0 1 0 1 0 0 1 1	10010011
61.9375	01010011	10010101
61.9250	0 1 0 1 0 0 1 1	10010100
61.9125	01010011	10010001
61.9000	0 1 0 1 0 0 1 1	1001000
61.8875	01010001	10010111
61.8750	01010001	10010110
61.8625	01010001	10010011
61.8500	01010001	10010010
61.8375	01010001	10010101
61.8250	01010001	10010100
61.8125	01010001	10010001
61.8000	01010001	10010000
61.7875	00010011	10010111
61.7750	0 0 0 1 0 0 1 1	10010110
61.7625	0 0 0 1 0 0 1 1	10010011
61.7500	0 0 0 1 0 0 1 1	10010010
61.7375	0 0 0 1 0 0 1 1	1 0 0 1 0 1 0 1
61.7250	0 0 0 1 0 0 1 1	1 0 0 1 0 1 0 0
61.7125 61.7000		$\begin{array}{c} 1 & 0 & 0 & 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 1 & 0 & 0 & 0 \end{array}$
61.6875		10010000
61.6750	0 0 0 1 0 0 0 1	10010111
61.6625	0 0 0 1 0 0 0 1	10010110
61.6500	0 0 0 1 0 0 0 1	10010011
61.6375	0 0 0 1 0 0 0 1	10010101
61.6250	0 0 0 1 0 0 0 1	10010100
61.6125	0 0 0 1 0 0 0 1	10010001
61.6000	00010001	10010000
61.5875	01100011	10010111
61.5750	01100011	10010110
61.5625	0 1 1 0 0 0 1 1	10010011
61.5500	0 1 1 0 0 0 1 1	10010010
61.5375	0 1 1 0 0 0 1 1	10010101
61.5250	01100011	10010100
61.5125	01100011	10010001
61.5000	0 1 1 0 0 0 1 1	10010000
61.4875	0 1 1 0 0 0 0 1	10010111
61.4750	0 1 1 0 0 0 0 1	10010110
61.4625	0 1 1 0 0 0 0 1	10010011
61.4500	0 1 1 0 0 0 0 1	10010010
61.4375	0 1 1 0 0 0 0 1	1 0 0 1 0 1 0 1
61.4250	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
61.4125 61.4000	0 1 1 0 0 0 0 1 0 1 1 0 0 0 0 1	1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 0

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 1 1 0 1 1 0 1 1 0 0 1 0 1 0 1 0 1 0 1 1 1 1 1 1 1 1 1 0 1 1 1 0 1 1 0 0 1 0 0 0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1 1 0 0 1 0 0 0 1 1 1 1 0 1 1 1 0 1 1 1 0 1 0 1 0 0 0
61.3500 0 0 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 <td>1 0 0 1 0 0 1 1 5 16 0 0 1 1 1 0 1 1 0 1 1 0 0 1</td>	1 0 0 1 0 0 1 1 5 16 0 0 1 1 1 0 1 1 0 1 1 0 0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 5 16 0 0 1 1 1 0 1 1 1 0 0 1 0 0 1 0 0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0 0 1 S2 5 16 0 0 1 1 1 0 1 1 1 0 0 1 0 1 0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 S2 5 16 0 0 1 1 1 0 1 1 1 0 1 1 0 1 0 1
61.3125 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 1 0 1 0 0 0 1 1 0 0 1 0 1 0 0 0 1 1 0 0 1 0 1 0 0 0 1 1 0 0 1 0 1 0 0 0 1 1 0 0 1 0 1 0 0 0 1 1 0 0 1 0 1 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 1 1 0 0 0 0 0 1 0 <td>0 1 S2 5 16 0 0 1 1 1 0 1 1 1 0 1 1 0 1 0 1</td>	0 1 S2 5 16 0 0 1 1 1 0 1 1 1 0 1 1 0 1 0 1
L.O. DIP Switch S1 DIP Switch MHz. 61.3000 0 1 2 3 4 5 6 7 8 910111213141 61.3000 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 0 1 0 1 1 0 1 1 0 1 1 0 1	S2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 0 0 0
Freq. MHz. 1 2 3 4 5 6 7 8 910111213141 61.3000 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 0 1 0 1 1 0 1 0 0 1 1 1<	0 0 1 1 1 0 1 1 1 0 0 1 0 1 0 1 0 1 0 0
MHz. 61.3000 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1	0 0 1 1 1 0 1 1 1 1 1 0 0 1 0 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 1 1 0 1 1 1 0 1 1 1 0 0 1 0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1 1 0 1 1 1 0 1 1 1 0 0 1 0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1 1 0 1 1 1 0 1 1 1 0 0 1 0 0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 0 1 1 1 0 0 1 0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1 1 0 0 1 0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 0 0 1 0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	U 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u> </u>
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0
60.9750 0 0 0 0 1 1 0 1 1 60.9625 0 0 0 0 1 1 1 0 1 0 0 0 0 60.9625 0 0 0 0 1 1 0 0 1 0 0 0 0 60.9500 0 0 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0	
60.9625 0 0 0 1 1 0 0 0 0 60.9500 0 0 0 0 1 1 0 0 1 0 0 0 0 0 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1
60.9500 0 0 0 0 1 1 0 0 0 0 60.9375 0 0 0 0 1 1 0 0 1 1 60.9375 0 0 0 0 1 1 0 0 1 1 60.9250 0 0 0 0 1 1 0 1 0 1 0 60.9125 0 0 0 0 1 1 0 1 0 0	1 0
60.9375 0 0 0 0 1 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 </td <td>1 1</td>	1 1
60.9250 0 0 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 1 1 0 1 0 </td <td>1 0</td>	1 0
60.9250 0 0 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 1 1 0 1 0 </td <td>0 1</td>	0 1
60.9125 0 0 0 0 0 0 1 1 1 0 0 1 0 0	0 0
	0 1
60.9000 0000011 100100	0 0
60.8875 0000001 100101	1 1
60.8750 0000001 100101	1 0
60.8625 0 0 0 0 0 0 0 1 1 0 0 1 0 0	1 1
60.8500 0 0 0 0 0 1 1 0 </td <td>1 0</td>	1 0
	-
60.8375 0 0 0 0 0 0 0 1 1 0 0 1 0 1	0 1
60.8250 0000001 100101	0 0
60.8125 0000001 100100	0 1
60.8000 0000001 100100	0 1
60.7875 01111010 100101	0 0
60.7750 0 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 </td <td></td>	
	00
	0 0 1 1 1 0
60.7500 0 1 1 1 1 0 1 0 1 0 0 1 0 0	0 0 1 1 1 0 1 1
60.7375 01111010 100101	0 0 1 1 1 0 1 1 1 1 1 0
60.7250 01111010 100101	0 0 1 1 1 0 1 1
60.7125 0 1 1 1 1 0 1 0 1 0 0 1 0 0	0 0 1 1 1 0 1 1 1 1 1 0
60.7000 0 1 1 1 1 0 1 0 1 0 0 1 0 0	0 0 1 1 1 0 1 1 1 1 1 0 0 1
	0 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1
	0 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0
60.6750 0 1 1 1 1 0 0 0 1 0 0 1 0 1	0 0 1 1 1 0 1 1 1 0 1 0 0 1 0 0 0 1 0 0 1 1
60.6625 01111000 100100	0 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1 0 1 1 0 1 1
60.6500 01111000 100100	0 0 1 1 1 0 1 1 1 0 1 0 0 1 0 0 0 1 0 0 1 1
60.6375 01111000 100101	0 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1 0 1 1 0 1 1
60.6250 0 1 1 1 0 0 1 1 1 0 0 1 0 1 1 1 0 0 1 1 1 1 0 1 0 1 1 1 1 1 </td <td>$\begin{array}{cccccccccccccccccccccccccccccccccccc$</td>	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 1 1 0 1 1 1 0 0 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 1 0 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 1 1 0 1 1 1 0 0 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1 1 0 0 1 1 0 0 1 1 0 1 1 1 0 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 0 1 1 0 1 0 0 1 1 1 0 1 1 1 0 1 1 0 1 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 1 1 0 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccc} 1 & 1 \\ 1 & 0 \\ 0 & 1 \\ 0 & 0 \\ 0 & 1 \\ 1 & 0 \\ 1 & 1 \\ 1 & 0 \\ 1 & 1 \\ 1 & 0 \\ 0 & 1 \\ 0 & 0 \\ 1 & 1 \\ 0 & 0 \\ 1 & 1 \\ 1 & 1 \\ 1 & $
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 0 0 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1 0 1 1 0 0 1 0 0 1 1 0 0 1 1 1 0 1 1 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 1 1 1 0 1 1 0 1 1 0 0 1 0 0 0 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 1 1 1 0 1 1 0 1 1 0 0 1 0 0 0 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0 0 1 0 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1 0 0 1 1 1 0 1 1 1 0 1 1 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1 0 0 1 1 1 0 1 1 1 1 1 1 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1 1 0 1 1 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 1 1 0 0 1 0 0 0 1 0 0 1 1 1 0 1 1 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 0 0 1 0 0 0 1 0 0 1 1 1 0 1 1 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 0 1 0 0 1 1 1 0 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 0 1 0 0 1 1 1 0 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0 0 1 0 0 1 1 1 0 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 1 1
60.4000 0 0 1 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 1 0 0 1 0 </td <td>0 0 1 1 1 0 1 1</td>	0 0 1 1 1 0 1 1
60.4000 0 0 1 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 </td <td>1 1 1 0 1 1</td>	1 1 1 0 1 1
60.3875 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3750 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3625 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3500 0 1 0 1 1 0 1 0 1 0 0 1 0 0 60.3375 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3250 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3250 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3250 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3125 0 1 0 1 1 0 1 0 1 0 0 1 0	1 1 1 0 1 1
60.3750 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3625 0 1 0 1 1 0 1 0 1 0 0 1 0 0 60.3500 0 1 0 1 1 0 1 0 1 0 0 1 0 0 60.3375 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3250 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3375 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3250 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3125 0 1 0 1 1 0 1 0 0 0 1 0	1 0 1 1
60.3625 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 </td <td>1 1</td>	1 1
60.3500 0 1 0 1 1 0 1 0 1 0 0 1 0 0 60.3375 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3250 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3125 0 1 0 1 1 0 1 0 1 0 0 1 0	
60.3500 0 1 0 1 1 0 1 0 1 0 0 1 0 0 60.3375 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3250 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3125 0 1 0 1 1 0 1 0 1 0 0 1 0	
60.3375 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3250 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3125 0 1 0 1 1 0 1 0 1 0 0 1 0	1 ^
60.3250 0 1 0 1 1 0 1 0 1 0 0 1 0 1 60.3125 0 1 0 1 1 0 1 0 1 0 0 1 0	1 0
60.3125 0 1 0 1 1 0 1 0 1 0 0 1 0 0	0 1
60.3125 0 1 0 1 1 0 1 0 1 0 0 1 0 0	0 0
	0 1
L.U. DIP Switch S1 DIP Switch	
	S2
Freq. 1 2 3 4 5 6 7 8 91011121314	15 16
MHz.	
	0 0
60.3000 0 1 0 1 1 0 1 0 1 0 0 1 0 0	0 0
60.2875 01011000 100101	1 1
60.2750 01011000 100101	1 0
60.2625 0 1 0 1 1 0 0 0 1 0 0 1 0 0	1 1
60.2500 0 1 0 1 1 0 0 0 1 0 0 1 0 0	1 0
60.2375 01011000 100101	0 1
60.2250 01011000 100101	0 0
60.2125 0 1 0 1 1 0 0 0 1 0 0 1 0 0	0 1
	-
60.2000 01011000 100100	0 0
60.1875 0 0 0 1 1 0 1 0 1 0 1 0 1 0 1	1 1
60.1750 00011010 100101	1 0
60.1625 0 0 0 1 1 0 1 0 1 0 0 1 0 0	1 1
60.1500 0 0 0 1 1 0 1 0 1 0 0 1 0 0	1 0
60.1375 00011010 100101	0 1
60.1250 00011010 100101	0 0
60.1125 0 0 1 1 1 0 </td <td>0 1</td>	0 1
	-
60.1000 00011010 100100	0 0
60.0875 00011000 100101	1 1
60.0750 00011000 100101	1 0
60.0625 0 0 1 0 </td <td>1 1</td>	1 1
60.0500 00011000 100100	1 0
	0 1
60.0375 0 0 1 0 </td <td></td>	
	0 0
60.0375 0 0 1 1 0 0 1 0 </td <td></td>	
60.0375 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 </td <td>0 1</td>	0 1
60.0375 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 </td <td>0 1 0 0</td>	0 1 0 0
60.0375 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 </td <td>0 1</td>	0 1
60.0375 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 </td <td>0 1 0 0</td>	0 1 0 0
60.0375 0 0 1 1 0 0 1 0 1 </td <td>0 1 0 0 1 1 1 0</td>	0 1 0 0 1 1 1 0
60.0375 0 0 1 1 0 0 1 0 1 </td <td>0 1 0 0 1 1 1 0 1 1</td>	0 1 0 0 1 1 1 0 1 1
60.0375 0 0 1 1 0 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 1 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 0 1 1 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 1 1 1 0 1 0 1 0 1 </td <td>0 1 0 0 1 1 1 0 1 1 1 1 1 0</td>	0 1 0 0 1 1 1 0 1 1 1 1 1 0
60.0375 0 0 1 1 0 0 1 0 1 </td <td>0 1 0 0 1 1 1 0 1 1</td>	0 1 0 0 1 1 1 0 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 1 1 1 1 1 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 1 1 1 0 1 0 0 1 0 0
60.0375 0 0 1 1 0 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 1 1 1 1 0 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 0 1 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 </td <td>0 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1</td>	0 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 1 1 1 0 1 0 0 1 0 0
60.0375 0 0 1 1 0 0 1 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 1 1 1 1 0 1 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1 1 0 1 1 0 1 1 0 1 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 1 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 </td <td>0 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1</td>	0 1 0 0 1 1 1 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1 1 0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 1 0 0 1 1 1 0 1 1 1 0 0 1 0 0 0 1 0 0 1 1

59.8375	0 1 1 0 1 0 0 0	1 0 0 1 0 1 0 1
59.8250	0 1 1 0 1 0 0 0	10010100
59.8125	01101000	10010001
59.8000	0 1 1 0 1 0 0 0	10010000
59.7875	0 0 1 0 1 0 1 0	10010111
59.7750	00101010	10010110
59.7625	0 0 1 0 1 0 1 0	10010011
59.7500	00101010	10010010
59.7375	0 0 1 0 1 0 1 0	10010101
59.7250	00101010	10010100
59.7125	0 0 1 0 1 0 1 0	1 0 0 1 0 0 0 1
59.7000	0 0 1 0 1 0 1 0	10010000
59.6875	00101000	10010111
59.6750	0 0 1 0 1 0 0 0	10010110
59.6625	00101000	10010011
59.6500	0 0 1 0 1 0 0 0	1 0 0 1 0 0 1 0
59.6375	0 0 1 0 1 0 0 0	10010101
59.6250	00101000	10010100
59.6125	0 0 1 0 1 0 0 0	10010001
59.6000	0 0 1 0 1 0 0 0	10010000
59.5875	0 1 0 0 1 0 1 0	10010111
59.5750	0 1 0 0 1 0 1 0	10010110
59.5625	01001010	10010011
59.5500	0 1 0 0 1 0 1 0	10010010
	01001010	
59.5375		
59.5250	01001010	10010100
59.5125	0 1 0 0 1 0 1 0	10010001
59.5000	01001010	10010000
59.4875	01001000	10010111
59.4750	0 1 0 0 1 0 0 0	10010110
59.4625		10010110
59.4500	0 1 0 0 1 0 0 0	10010010
59.4375	01001000	10010101
59.4250	01001000	10010100
59.4125	01001000	10010001
59.4000	01001000	10010000
59.3875	0 0 0 0 1 0 1 0	10010111
		10010111
59.3750		
-	00001010	
59.3625	0 0 0 0 1 0 1 0	10010011
-		
59.3625	0 0 0 0 1 0 1 0	10010011
59.3625 59.3500	0 0 0 1 0 1 0 0 0 0 0 1 0 1 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0
59.3625 59.3500 59.3375 59.3250	0 0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 1 0
59.3625 59.3500 59.3375 59.3250 59.3125	0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
59.3625 59.3500 59.3375 59.3250 59.3125 L.O.	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 1 DIP Switch S2
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq.	0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
59.3625 59.3500 59.3375 59.3250 59.3125 L.O.	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 1 DIP Switch S2
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq.	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 1 DIP Switch S2
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 0 0 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 0 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 0 0 1 0 1 0 1 1 0 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 0 1 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2250 59.2125 59.2000	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2250 59.2125 59.2000 59.1875	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 0 0 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 0 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 0 0 0 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2250 59.2125 59.2000	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 1 0 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2250 59.2125 59.2000 59.1875	0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 DIP Switch S1 1 2 3 4 5 6 7 8 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2250 59.2125 59.2000 59.1875 59.1750 59.1625	0 0 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 1 0 1 1 0 1 1 1 0 1 0 1	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 0 0 1 0 0 1 0 1 1 1 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 0 0 1 1 0 0 1 0 0 0 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 1 1 0 0 1 0 0 1 0 1 1 1 0 0 1 0 0 1 0 1 1 1 0 0 1 0 0 1 0 1 1 1 0 0 1 0 0 1 0 1 1 1 0 0 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 1 0 0 1 0 0 0 0 1 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2250 59.2125 59.2250 59.2125 59.2000 59.1875 59.1750 59.1500	0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 0 1 1 0 1 0 1 1 1 0 1 1 0 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2250 59.2125 59.2000 59.1875 59.1500 59.1375	0 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 1 1 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 1 1 0 0 1 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2125 59.2000 59.1875 59.1750 59.1625 59.1500	0 0 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 1 0 1 1 0 1 1 1 0 1 0 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2250 59.2125 59.2000 59.1875 59.1500 59.1375	0 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 1 1 1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 1 1 0 0 1 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2125 59.2000 59.1875 59.1750 59.1625 59.1500	0 0 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 1 0 1 1 0 1 1 1 0 1 0 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2500 59.2375 59.2250 59.2250 59.2125 59.2000 59.1875 59.1750 59.1625 59.1500 59.1375 59.1250	0 0 0 1 0 0 0 1 0 1 0 0 0 1 0 1 0 0 1 1 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2625 59.2500 59.2375 59.2250 59.2125 59.2000 59.1875 59.1625 59.1500 59.1375 59.1250 59.1250 59.1250	0 0 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 1 1 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 1 0 0 1 1 0 0 1 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
59.3625 59.3500 59.3375 59.3250 59.3125 L.O. Freq. MHz. 59.3000 59.2875 59.2750 59.2625 59.2750 59.2625 59.2500 59.2375 59.2250 59.2125 59.1750 59.1750 59.1625 59.1500 59.1375 59.1250 59.1250	0 0 1 0 1 0 0 0 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 1 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0	1 0 0 1 0 0 1 1 1 0 0 1 0 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1 0 0 1 0 1 0 0 1 DIP Switch S2 9 10 11 12 13 14 15 16 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 1 1 0 0 1 0 1 0 1 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 1 0 0 1 0 1 0 0 1 0 0 0 1 0 0 1 0 1 0 0 1 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

59.0625	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
59.0500 59.0375	
59.0250	
59.0125	0 1 1 1 0 0 0 0 1 0 0 1 0 0 0 1
59.0000	0 1 1 1 0 0 0 0 1 0 0 1 0 0 0
58.9875	0 0 1 1 0 0 1 0 1 0 0 1 0 1 1 1
58.9750	0 0 1 1 0 0 1 0 1 0 0 1 0 1 1 0
58.9625	0 0 1 1 0 0 1 0 1 0 0 1 0 0 1 1
58.9500	0 0 1 1 0 0 1 0 1 0 0 1 0 0 1 0
58.9375	00110010 10010101
58.9250	00110010 10010100
58.9125	00110010 10010001
58.9000	00110010 10010000
58.8875	00110000 10010111
58.8750	00110000 10010110
58.8625	00110000 10010011
58.8500	00110000 10010010
58.8375	0 0 1 1 0 0 0 0 1 0 0 1 0 1 0 1
58.8250	00110000 10010100
58.8125	00110000 10010001
58.8000	0 0 1 1 0 0 0 0 1 0 0 1 0 0 0 0
58.7875	0 1 0 1 0 0 1 0 1 0 0 1 0 1 1 1
58.7750	0 1 0 1 0 0 1 0 1 0 0 1 0 1 1 0
58.7625	0 1 0 1 0 0 1 0 1 0 0 1 0 0 1 1
58.7500	0 1 0 1 0 0 1 0 1 0 0 1 0 0 1 0
58.7375	0 1 0 1 0 0 1 0 1 0 0 1 0 1 0 1
58.7250	0 1 0 1 0 0 1 0 1 0 0 1 0 1 0 0
58.7125	0 1 0 1 0 0 1 0 1 0 0 1 0 0 0 1
58.7000	0 1 0 1 0 0 1 0 1 0 0 1 0 0 0 0
58.6875	0 1 0 1 0 0 0 0 1 0 0 1 0 1 1 1
58.6750	01010000 10010110
58.6625	0 1 0 1 0 0 0 0 1 0 0 1 0 0 1 1
58.6500	0 1 0 1 0 0 0 0 1 0 0 1 0 0 1 0
58.6375	01010000 10010101
58.6250	0 1 0 1 0 0 0 0 1 0 0 1 0 1 0 0
58.6125	01010000 10010001
58.6000	01010000 10010000
58.5875	0 0 0 1 0 0 1 0 1 0 0 1 0 1 1 1
58.5750	0 0 0 1 0 0 1 0 1 0 0 1 0 1 1 0
58.5625	
58.5500	
58.5375	
58.5250	
58.5125	
58.5000	
58.4875	
58.4750	
58.4625	
58.4625	
58.4300	
58.4375	
58.4125	
58.4000	
58.3875	0 1 1 0 0 0 1 0 1 0 0 1 0 1 1 1
58.3750	0 1 1 0 0 0 1 0 1 0 0 1 0 1 1 0
58.3625	0 1 1 0 0 0 1 0 1 0 0 1 0 0 1 1
58.3500	0 1 1 0 0 0 1 0 1 0 0 1 0 0 1 0
58.3375	0 1 1 0 0 0 1 0 1 0 0 1 0 1 0 1
58.3250	0 1 1 0 0 0 1 0 1 0 0 1 0 1 0 0
58.3125	0 1 1 0 0 0 1 0 1 0 0 1 0 0 0 1
58.3000	0 1 1 0 0 0 1 0 1 0 0 1 0 0 0
L.O.	DIP Switch S1 DIP Switch S2
Freq.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
MHz.	