

TDFM-9000 SERIES
FACTORY DEFAULT
CODEPLUG TEMPLATES

DOCUMENT NO: 136593
REVISION:
DATE OF ISSUE: NOVEMBER 21, 2013



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INTRODUCTION

The purpose of this document is to outline what factory default parameters and frequencies are programmed in the various RF modules that are used in the TDFM-9000 series multiband radios.

The TDFM-9000 series radios have multiband capability and may contain up to 6 P25/ digital & analog RF modules depending on the model and configuration. In addition, some of these modules may be single band or Dual Band.

TDFM-9000 AND TDFM-9100 only have P25 RF modules installed. TDFM-9300 and TDFM-9200 variants have a combination of P25 Modules and Analog only Modules installed. The Analog modules do not support P25 digital modes nor any trunking. They are simply conventional FM or AM transceiver modules.

A standard set of frequencies is pre programmed into each RF module at the factory for the purpose of alignment and testing.

There are 10 P25 RF modules and 3 Analog RF modules that can be installed in the TDFM-9000 series radios. Each module has its own default codeplug configuration regardless of the software options installed. Table 1 outlines the RF bands available for the P25 modules. Table 2 shows the 3 Analog only modules.

MODULE	BAND(S)	SINGLE /DUAL
VHF	136 – 174 MHz	SINGLE
UHF LO	380 – 470 MHz	SINGLE
UHF HI	450 – 520 MHz	SINGLE
700/800	764 – 870 MHz	SINGLE
VHF/UHF LO	136 – 174/380 – 470 MHz	DUAL
VHF/UHF HI	136 – 174/470 – 520 MHz	DUAL
VHF/700/800	136 – 174/764 – 870 MHz	DUAL
UHF LO/UHF HI	380 – 470/450 – 520 MHz	DUAL
UHF LO/700/800	380 – 470/764 – 870 MHz	DUAL
UHF HI/700/800	450 – 520/764 – 870 MHz	DUAL

TABLE 1: TYPE A P25 Module Band Combinations

MODULE	BANDS	FM/AM
VHF LOW BAND	30 – 50 MHz	FM
VHF AM	118 – 137 MHz	AM
UHF AM	225 – 400 MHz	AM

TABLE 2: TYPE T Analog Module Band Combinations

The P25 RF modules are supported by computer program software made by Motorola called “CPS” or “Customer Programming Software”.

Motorola solutions Inc. supplies the CPS software exclusively to the end user.

Technisonic is not licensed to distribute the CPS software for the P25 Modules installed in the TDFM 9000 series radios.

Programming of channels for the analog RF modules can be directly entered from the front panel of the radios or can be programmed via Technisonic’s MultiTDP software. MultiTDP is available from the Technisonic website: www.til.ca.

Section 1 describes the module wide ‘global settings” of the P25 RF modules. Section 2 displays the frequency programming in each P25 module type. Section 3 displays the default channel programming for the 3 analog RF modules.

SECTION 1: MODULE GLOBAL SETTINGS

This section describes the global settings for all P25 RF modules.
All default codeplugs have the same settings for:

- 1) Radio Wide (Module Wide)
- 2) Control Buttons (F1 to F4 Buttons)
- 3) Control Switches (Rotary Knob, ESW and TSW Switches)
- 4) Display Settings
- 5) Display Menu Items
- 6) Secure (Encryption)
- 7) Default Audio Settings
- 8) Conventional Digital System Settings

MODULE WIDE SETTINGS:

The screenshot displays the 'Radio Wide' settings window. On the left is a vertical navigation pane with icons and labels for: General, Alert Tones, User Information and Passwords, Features, Audio Options, Transmit Power Levels, and Tactical Public Safety. The main area is divided into sections: General, Alert Tones, Low Battery, and Features. Each section contains various settings with checkboxes, dropdown menus, and text input fields.

Section	Setting	Value
General	Log Dispatch Calls Enable	<input type="checkbox"/>
	Time Format	24 hr
	Date Format	mm/dd/yy Domestic
	Ultra Narrow Intermediate Freq Filter	5.76 kHz
Alert Tones	Alert Tones	<input checked="" type="checkbox"/>
	Volume Adjust Tone Offset	<input type="checkbox"/>
	Power-Up Self Test Alert Tone	<input type="checkbox"/>
	Scan Alert Tone Enable	<input type="checkbox"/>
	Call Alert Tone Auto Reset	<input type="checkbox"/>
	Mute Tones Operation	Keypad Tones
Low Battery	LED	<input checked="" type="checkbox"/>
	Tx Chirp	<input checked="" type="checkbox"/>
	Standby Chirp (sec)	120
	Smart-Low Battery Alert	Standard
Features	Block Pending CA/PC	<input type="checkbox"/>
	Rotary Switch (Scan Prgm)	Channel
	Evacuation Tone	<input type="checkbox"/>
	Cyclic Keying	<input type="checkbox"/>

FIGURE 1: Module Wide (Radio wide) Settings.

BUTTON SETTINGS (F1 TO F4 FUNCTIONS):

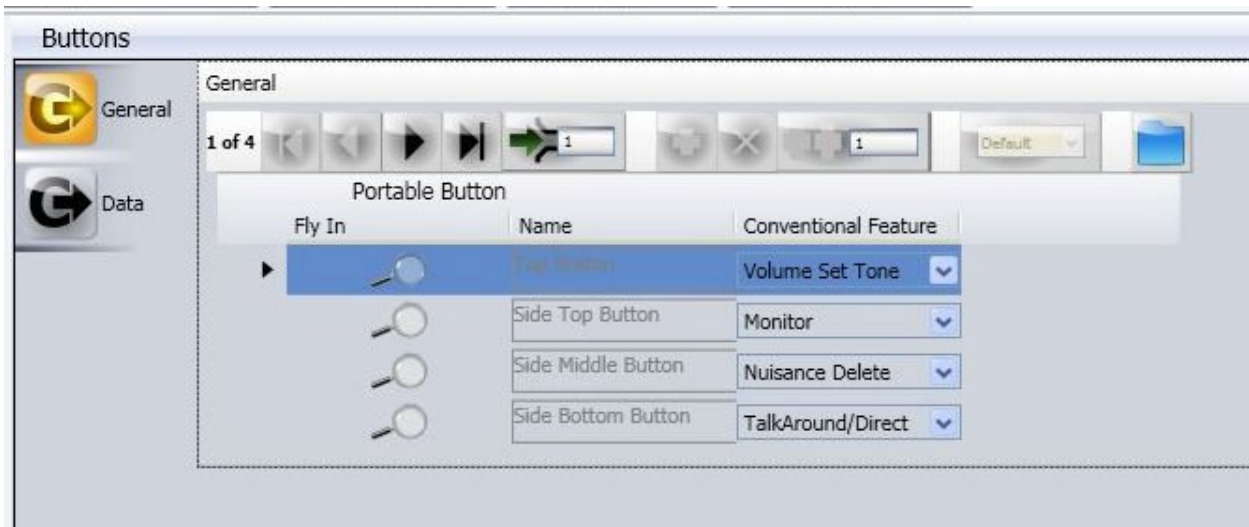


FIGURE 2: CPS settings for the F1 to F4 Buttons

TDFM-9000 BUTTON	CPS BUTTON	FUNCTION
# [F4]	TOP BUTTON	VOLUME SET TONE
1 [F1]	SIDE TOP BUTTON	MONITOR
2 [F2]	SIDE MID BUTTON	NUISANCE DELETE
3 [F3]	SIDE BOTTOM BUTTON	TALKAROUND/DIRECT

TABLE 3: F1 – F4 BUTTON CONFIGURATION

SWITCH SETTINGS (ROTARY KNOB, ESW & TSW FUNCTIONS):

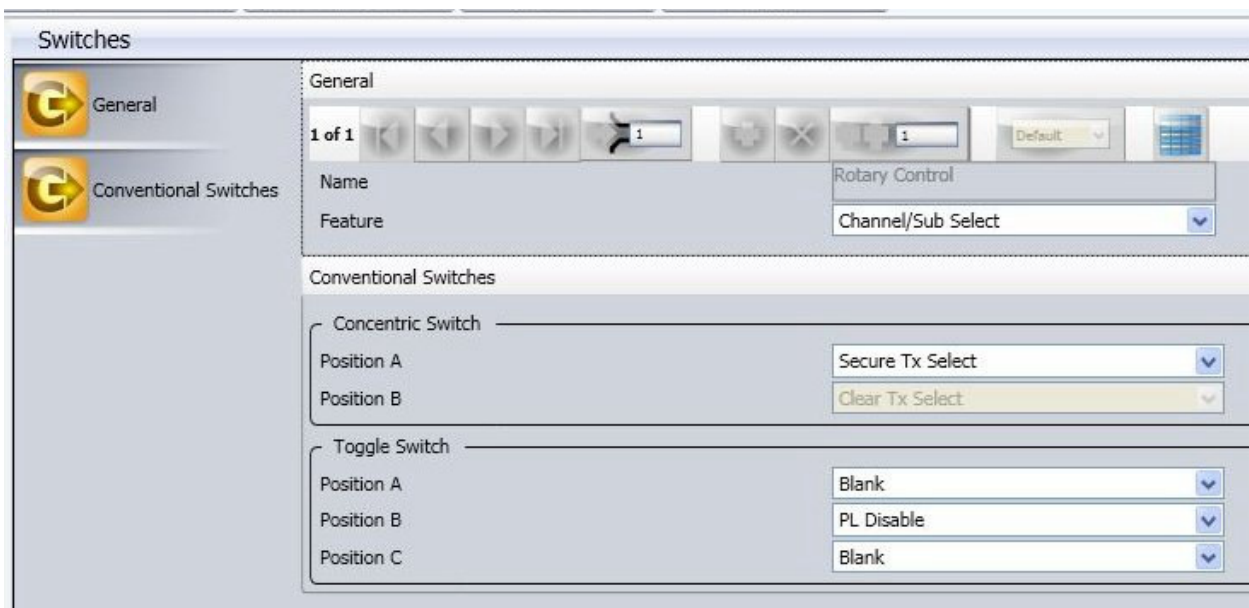


FIGURE 3: CPS settings for the Channel KNOB, ESW and TSW Switches

TDFM-9000	CPS SWITCH	FUNCTION
ROTARY KNOB	ROTARY CONTROL	CHANNEL/SUB SELECT
4 [MUP]	-	CHANNEL UP
7 [MDN]	-	CHANNEL DOWN
0 [ESW]	CONCENTRIC SWITCH	-
∅	A	SECURE TX SELECT
O	B	CLEAR TX SELECT
[TSW]	TOGGLE SWITCH	-
A	A	BLANK
B	B	PL DISABLE
C	C	BLANK

TABLE 4: Settings for Channel KNOB, ESW and TSW Switches

DISPLAY SETTINGS:

The screenshot shows the 'Display' settings interface. On the left is a sidebar with four menu items: 'General', 'Advanced', 'ID Display', and 'Test Mode', each with a circular arrow icon. The main area is divided into two sections: 'General' and 'Advanced'.

General Section:

- Text Configuration:**
 - Zone Text Size: 14
 - Channel Text Size: 14
 - Top Zone Text Size: 0
 - Top Channel Text Size: 8
 - Top Display Orientation: Normal
 - DRSM Display Orientation: Normal
- Scroll Configuration:**
 - Slow Scroll Rate (ms): 1000
 - Fast Scroll Rate (ms): 250
 - Slow Scroll Count: 3
- Out of Range Indicator: No Indication
- System Registration Indicator: No Indication

Advanced Section:

- Radio Display Language: English
- Auto Light:
- Display Light Time (sec): 15
- Alternating Display Time (ms): 1000
- Temporary Message Display Time (ms): 1000
- Independent Top Light:
- Feature Inactivity Timeout (sec): Infinite
- Feature Inactivity Alert Tone: Inactivity Only

FIGURE 4: Channel Display Settings

DISPLAY MENU ITEMS:

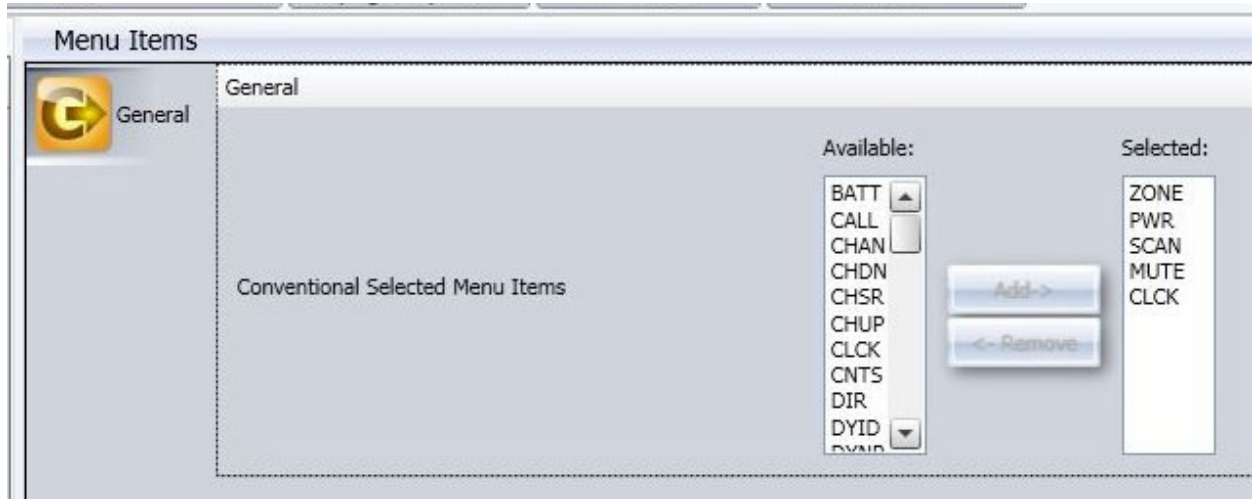


FIGURE 5: Display Menu Items

SECURE WIDE:



FIGURE 6: Module Wide Encryption Settings

DEFAULT AUDIO SETTINGS:

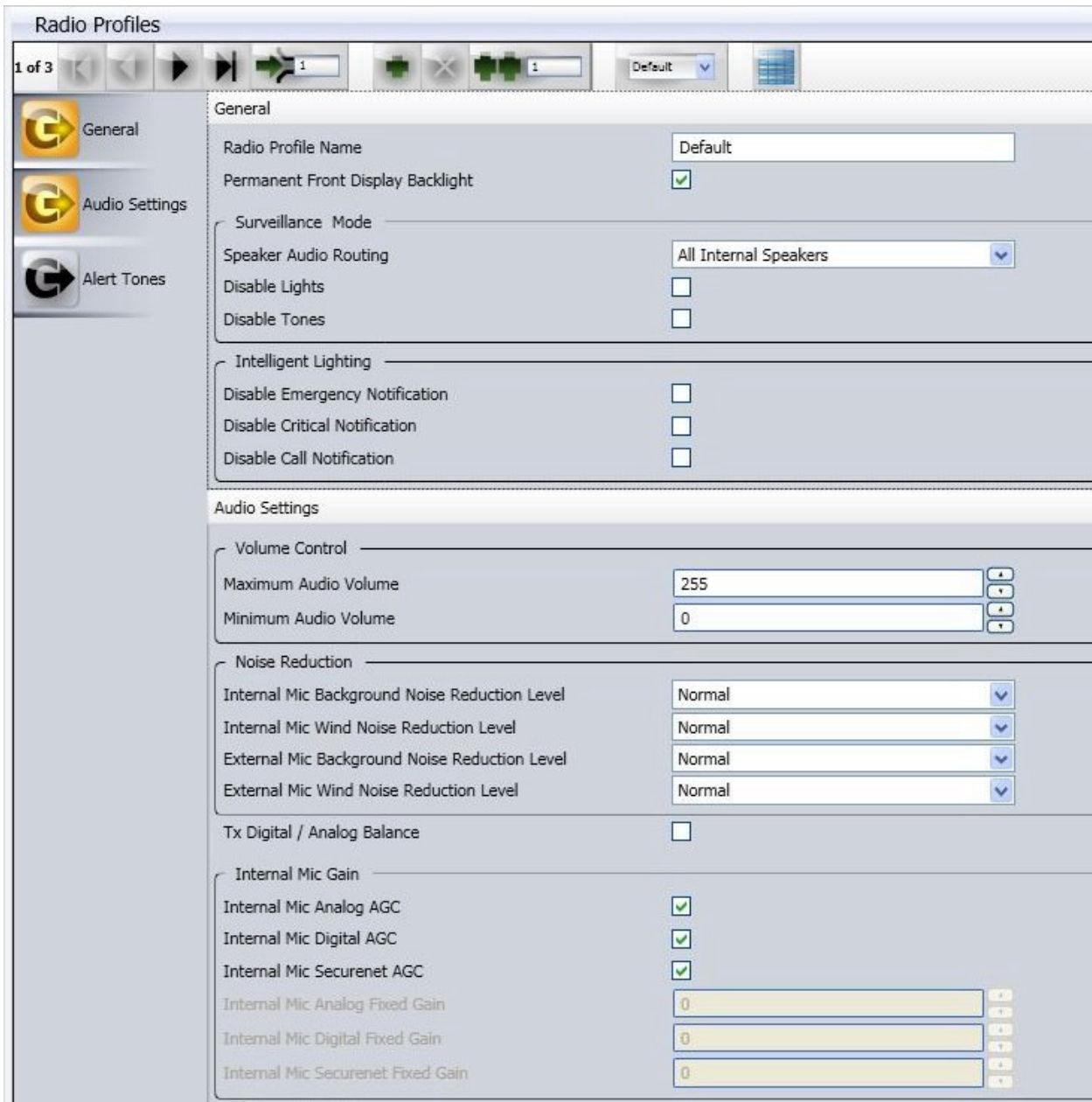


FIGURE 7: Default Audio Settings

CONVENTIONAL SYSTEM SETTINGS:

Conventional System

1 of 1

1

Default

General

Conventional System Name: Cnv Sys 1

System Type: ASTRO

System Group Number: 1 - 1

System Wide Talkgroup Hang Time (sec): 0.000

Individual ID: 1 - 1

Preamble Length: 80

Limited Patience (sec): 53

Emergency Profile Selection: <Emergency TX Disabled>

Features

Radio Inhibit:

Radio Check:

Status:

Status Request:

Message:

Dynamic ID Enable:

Emergency Alarm Rx Indicator:

CAI Data Registration:

Select Call / In-Call Reset: Auto w/ Carr

Auto Reset Time (sec): 5

Remote Monitor/Radio Trace

Remote Radio Mode: Disabled

Tx Base Time (sec): 10

FIGURE 9: Conventional P25 System Settings

SECTION 2: P25 DEFAULT CHANNEL PROGRAMMING

The following section shows the frequencies and tones/codes programmed for the channels in each default P25 codeplug.

There are 10 different default codeplugs, 4 for Single Band modules and 6 for Dual Band modules. All codeplugs have 2 groups or "ZONES" of channels per band. In the case of Single Band modules there are 2 Zones. For Dual Band modules there are 4 zones – 2 for the lower frequency band and 2 for the higher frequency band.

The lower Zones of channels for each band have the Technisonic standard test frequencies. The higher Zones contain channels required for post installation testing. All analog channels are programmed for FM narrow (12.5 KHz) deviation.

MODULE	SINGLE /DUAL	FREQUENCY TABLE
VHF	SINGLE	6
UHF LO	SINGLE	7
UHF HI	SINGLE	8
700/800	SINGLE	9
VHF/UHF LO	DUAL	10
VHF/UHF HI	DUAL	11
VHF/700/800	DUAL	12
UHF LO/UHF HI	DUAL	13
UHF LO/700/800	DUAL	14
UHF HI/700/800	DUAL	15

TABLE 5: MODULE LEGEND

VHF SINGLE BAND MODULE								
ZONE: "ZONE 1"								
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	136.00CSN	136.0000	136.0000	1	1	FM	CSQ	SCAN-1
2	157.00CSN	157.0000	157.0000	1	2	FM	CSQ	SCAN-1
3	174.00CSN	174.0000	174.0000	1	3	FM	CSQ	SCAN-1
4	157.00PLN	157.0000	157.0000	1	4	FM	PL 103.5	
5	157.0DPLN	157.0000	157.0000	1	5	FM	DPL 152	
6	136.00DIG	136.0000	136.0000	2	1	DIGITAL	NAC 293	
7	157.00DIG	157.0000	157.0000	2	2	DIGITAL	NAC 293	
8	174.00DIG	174.0000	174.0000	2	3	DIGITAL	NAC 293	
9	154.00T/A	154.0000	144.0000	1	6	FM	PL 107.2	

ZONE: "ZONE 2"								
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	PL/DPL	NOTES
1	136.0000	136.0000	136.0000	1	7	FM	CSQ	
2	143.2125	143.2125	143.2125	1	8	FM	CSQ	
3	143.2250	143.2250	143.2250	1	9	FM	CSQ	
4	157.5000	157.5000	157.5000	1	10	FM	CSQ	
5	157.5375	157.5375	157.5375	1	11	FM	CSQ	
6	157.5500	157.5500	157.5500	1	12	FM	CSQ	
7	162.0000	162.0000	162.0000	1	13	FM	CSQ	
8	162.1500	162.1500	162.1500	1	14	FM	CSQ	
9	167.3500	167.3500	167.3500	1	15	FM	CSQ	

TABLE 6: VHF Single Band Channels

UHF LOW SINGLE BAND MODULE								
ZONE: "ZONE 1"								
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	380.00CSN	380.0000	380.0000	1	1	FM	CSQ	SCAN-1
2	425.00CSN	425.0000	425.0000	1	2	FM	CSQ	SCAN-1
3	470.00CSN	470.0000	470.0000	1	3	FM	CSQ	SCAN-1
4	425.00PLN	425.0000	425.0000	1	4	FM	PL 103.5	
5	425.0DPLN	425.0000	425.0000	1	5	FM	DPL 152	
6	380.00DIG	380.0000	380.0000	2	1	DIGITAL	NAC 293	
7	425.00DIG	425.0000	425.0000	2	2	DIGITAL	NAC 293	
8	470.00DIG	470.0000	470.0000	2	3	DIGITAL	NAC 293	
9	452.00T/A	452.0000	457.0000	1	6	FM	PL 107.2	

ZONE: "ZONE 2"								
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	403.0000	403.0000	403.0000	1	7	FM	CSQ	
2	418.0000	418.0000	418.0000	1	8	FM	CSQ	
3	441.5000	441.5000	441.5000	1	9	FM	CSQ	
4	454.0000	454.0000	454.0000	1	10	FM	CSQ	
5	461.5000	461.5000	461.5000	1	11	FM	CSQ	
6	469.0000	469.0000	469.0000	1	12	FM	CSQ	

TABLE 7: UHF LOW Single Band Channels

UHF HI SINGLE BAND MODULE								
ZONE: "ZONE 1"								
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	450.00CSN	450.0000	450.0000	1	1	FM	CSQ	SCAN-1
2	481.00CSN	481.0000	481.0000	1	2	FM	CSQ	SCAN-1
3	512.00CSN	512.0000	512.0000	1	3	FM	CSQ	SCAN-1
4	481.00PLN	481.0000	481.0000	1	4	FM	PL 103.5	
5	481.0DPLN	481.0000	481.0000	1	5	FM	DPL 152	
6	450.00DIG	450.0000	450.0000	2	1	DIGITAL	NAC 293	
7	481.00DIG	481.0000	481.0000	2	2	DIGITAL	NAC 293	
8	512.00DIG	512.0000	512.0000	2	3	DIGITAL	NAC 293	
9	462.00T/A	462.0000	467.0000	1	6	FM	PL 107.2	

ZONE: "ZONE 2"								
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	454.0000	454.0000	454.0000	1	7	FM	CSQ	
2	461.5000	461.5000	461.5000	1	8	FM	CSQ	
3	469.5000	469.5000	469.5000	1	9	FM	CSQ	
4	489.0000	489.0000	489.0000	1	10	FM	CSQ	
5	510.0000	510.0000	510.0000	1	11	FM	CSQ	
6	512.0000	512.0000	512.0000	1	12	FM	CSQ	

TABLE 8: UHF HI Single Band Channels

700/800 MHz SINGLE BAND MODULE								
ZONE: "ZONE 1"								
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	851.0125CSN	851.0125	851.0125	1	1	FM	CSQ	SCAN-1
2	866.0000CSN	866.0000	866.0000	1	2	FM	CSQ	SCAN-1
3	868.9875CSN	868.9875	868.9875	1	3	FM	CSQ	SCAN-1
4	866.0000PLN	866.0000	866.0000	1	4	FM	PL 103.5	
5	866.000DPLN	866.0000	866.0000	1	5	FM	DPL 152	
6	851.0125DIG	851.0125	851.0125	2	1	DIGITAL	NAC 293	
7	866.0000DIG	866.0000	866.0000	2	2	DIGITAL	NAC 293	
8	868.9875DIG	868.9875	868.9875	2	3	DIGITAL	NAC 293	
9	860.00T/A	860.0000	815.0000	1	6	FM	PL 107.2	

ZONE: "ZONE 2"								
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	765.0000	765.0000	765.0000	1	12	FM	CSQ	
2	774.0000	774.0000	774.0000	1	13	FM	CSQ	
3	795.00TX	775.0000	795.0000	1	14	FM	CSQ	
4	815.50TX	775.0000	815.5000	1	15	FM	CSQ	
5	851.0250	851.0250	851.0250	1	16	FM	CSQ	
6	851.0375	851.0375	851.0375	1	17	FM	CSQ	
7	862.5375	862.5375	862.5375	1	18	FM	CSQ	
8	856.3375	856.3375	856.3375	1	19	FM	CSQ	
9	860.0000	860.0000	860.0000	1	20	FM	CSQ	
10	868.0125	868.0125	868.0125	1	21	FM	CSQ	
11	868.9875	868.9875	868.9875	1	22	FM	CSQ	

TABLE 9: 700/800 MHz Single Band Channels

VHF-UHF LO DUAL BAND MODULE								
ZONE: "ZONE 1"				VHF FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	136.00CSN	136.0000	136.0000	1	1	FM	CSQ	SCAN-1
2	157.00CSN	157.0000	157.0000	1	2	FM	CSQ	SCAN-1
3	174.00CSN	174.0000	174.0000	1	3	FM	CSQ	SCAN-1
4	157.00PLN	157.0000	157.0000	1	4	FM	PL 103.5	
5	157.0DPLN	157.0000	157.0000	1	5	FM	DPL 152	
6	136.00DIG	136.0000	136.0000	2	1	DIGITAL	NAC 293	
7	157.00DIG	157.0000	157.0000	2	2	DIGITAL	NAC 293	
8	174.00DIG	174.0000	174.0000	2	3	DIGITAL	NAC 293	
9	154.00T/A	154.0000	144.0000	1	6	FM	PL 107.2	

ZONE: "ZONE 2"				VHF FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	136.0000	136.0000	136.0000	1	7	FM	CSQ	
2	143.2125	143.2125	143.2125	1	8	FM	CSQ	
3	143.2250	143.2250	143.2250	1	9	FM	CSQ	
4	157.5000	157.5000	157.5000	1	10	FM	CSQ	
5	157.5375	157.5375	157.5375	1	11	FM	CSQ	
6	157.5500	157.5500	157.5500	1	12	FM	CSQ	
7	162.0000	162.0000	162.0000	1	13	FM	CSQ	
8	162.1500	162.1500	162.1500	1	14	FM	CSQ	
9	167.3500	167.3500	167.3500	1	15	FM	CSQ	

TABLE 10: VHF/UHF LO Dual Band Channels
(continued on next page)

VHF-UHF LO DUAL BAND MODULE								
ZONE: "ZONE 3"				UHF LO FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	380.00CSN	380.0000	380.0000	3	1	FM	CSQ	SCAN-1
2	425.00CSN	425.0000	425.0000	3	2	FM	CSQ	SCAN-1
3	470.00CSN	470.0000	470.0000	3	3	FM	CSQ	SCAN-1
4	425.00PLN	425.0000	425.0000	3	4	FM	PL 103.5	
5	425.0DPLN	425.0000	425.0000	3	5	FM	DPL 152	
6	380.00DIG	380.0000	380.0000	4	1	DIGITAL	NAC 293	
7	425.00DIG	425.0000	425.0000	4	2	DIGITAL	NAC 293	
8	470.00DIG	470.0000	470.0000	4	3	DIGITAL	NAC 293	
9	452.00T/A	452.0000	457.0000	3	6	FM	PL 107.2	

ZONE: "ZONE 4"				UHF LO FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	403.0000	403.0000	403.0000	3	7	FM	CSQ	
2	418.0000	418.0000	418.0000	3	8	FM	CSQ	
3	441.5000	441.5000	441.5000	3	9	FM	CSQ	
4	454.0000	454.0000	454.0000	3	10	FM	CSQ	
5	461.5000	461.5000	461.5000	3	11	FM	CSQ	
6	469.0000	469.0000	469.0000	3	12	FM	CSQ	

TABLE 10: VHF/UHF LO Dual Band Channels

VHF-UHF HI DUAL BAND MODULE								
ZONE: "ZONE 1"				VHF FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	136.00CSN	136.0000	136.0000	1	1	FM	CSQ	SCAN-1
2	157.00CSN	157.0000	157.0000	1	2	FM	CSQ	SCAN-1
3	174.00CSN	174.0000	174.0000	1	3	FM	CSQ	SCAN-1
4	157.00PLN	157.0000	157.0000	1	4	FM	PL 103.5	
5	157.0DPLN	157.0000	157.0000	1	5	FM	DPL 152	
6	136.00DIG	136.0000	136.0000	2	1	DIGITAL	NAC 293	
7	157.00DIG	157.0000	157.0000	2	2	DIGITAL	NAC 293	
8	174.00DIG	174.0000	174.0000	2	3	DIGITAL	NAC 293	
9	154.00T/A	154.0000	144.0000	1	6	FM	PL 107.2	

ZONE: "ZONE 2"				VHF FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	136.0000	136.0000	136.0000	1	7	FM	CSQ	
2	143.2125	143.2125	143.2125	1	8	FM	CSQ	
3	143.2250	143.2250	143.2250	1	9	FM	CSQ	
4	157.5000	157.5000	157.5000	1	10	FM	CSQ	
5	157.5375	157.5375	157.5375	1	11	FM	CSQ	
6	157.5500	157.5500	157.5500	1	12	FM	CSQ	
7	162.0000	162.0000	162.0000	1	13	FM	CSQ	
8	162.1500	162.1500	162.1500	1	14	FM	CSQ	
9	167.3500	167.3500	167.3500	1	15	FM	CSQ	

TABLE 11: VHF/UHF HI Dual Band Channels
(continued on next page)

VHF-UHF HI DUAL BAND MODULE								
ZONE: "ZONE 3"				UHF HI FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	450.00CSN	450.0000	450.0000	3	1	FM	CSQ	SCAN-1
2	481.00CSN	481.0000	481.0000	3	2	FM	CSQ	SCAN-1
3	512.00CSN	512.0000	512.0000	3	3	FM	CSQ	SCAN-1
4	481.00PLN	481.0000	481.0000	3	4	FM	PL 103.5	
5	481.0DPLN	481.0000	481.0000	3	5	FM	DPL 152	
6	450.00DIG	450.0000	450.0000	4	1	DIGITAL	NAC 293	
7	481.00DIG	481.0000	481.0000	4	2	DIGITAL	NAC 293	
8	512.00DIG	512.0000	512.0000	4	3	DIGITAL	NAC 293	
9	462.00T/A	462.0000	467.0000	3	6	FM	PL 107.2	

ZONE: "ZONE 4"				UHF HI FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	454.0000	454.0000	454.0000	3	7	FM	CSQ	
2	461.5000	461.5000	461.5000	3	8	FM	CSQ	
3	469.5000	469.5000	469.5000	3	9	FM	CSQ	
4	489.0000	489.0000	489.0000	3	10	FM	CSQ	
5	510.0000	510.0000	510.0000	3	11	FM	CSQ	
6	512.0000	512.0000	512.0000	3	12	FM	CSQ	

TABLE 11: VHF/UHF HI Dual Band Channels

VHF-700/800 DUAL BAND MODULE								
ZONE: "ZONE 1"				VHF FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	136.00CSN	136.0000	136.0000	1	1	FM	CSQ	SCAN-1
2	157.00CSN	157.0000	157.0000	1	2	FM	CSQ	SCAN-1
3	174.00CSN	174.0000	174.0000	1	3	FM	CSQ	SCAN-1
4	157.00PLN	157.0000	157.0000	1	4	FM	PL 103.5	
5	157.0DPLN	157.0000	157.0000	1	5	FM	DPL 152	
6	136.00DIG	136.0000	136.0000	2	1	DIGITAL	NAC 293	
7	157.00DIG	157.0000	157.0000	2	2	DIGITAL	NAC 293	
8	174.00DIG	174.0000	174.0000	2	3	DIGITAL	NAC 293	
9	154.00T/A	154.0000	144.0000	1	6	FM	PL 107.2	

ZONE: "ZONE 2"				VHF FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	136.0000	136.0000	136.0000	1	7	FM	CSQ	
2	143.2125	143.2125	143.2125	1	8	FM	CSQ	
3	143.2250	143.2250	143.2250	1	9	FM	CSQ	
4	157.5000	157.5000	157.5000	1	10	FM	CSQ	
5	157.5375	157.5375	157.5375	1	11	FM	CSQ	
6	157.5500	157.5500	157.5500	1	12	FM	CSQ	
7	162.0000	162.0000	162.0000	1	13	FM	CSQ	
8	162.1500	162.1500	162.1500	1	14	FM	CSQ	
9	167.3500	167.3500	167.3500	1	15	FM	CSQ	

TABLE 12: VHF/700/800 MHz Dual Band Channels
(continued on next page)

VHF-700/800 DUAL BAND MODULE								
ZONE: "ZONE 3"				700/800 FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	851.0125CSN	851.0125	851.0125	3	1	FM	CSQ	SCAN-1
2	866.0000CSN	866.0000	866.0000	3	2	FM	CSQ	SCAN-1
3	868.9875CSN	868.9875	868.9875	3	3	FM	CSQ	SCAN-1
4	866.0000PLN	866.0000	866.0000	3	4	FM	PL 103.5	
5	866.000DPLN	866.0000	866.0000	3	5	FM	DPL 152	
6	851.0125DIG	851.0125	851.0125	4	1	DIGITAL	NAC 293	
7	866.0000DIG	866.0000	866.0000	4	2	DIGITAL	NAC 293	
8	868.9875DIG	868.9875	868.9875	4	3	DIGITAL	NAC 293	
9	860.00T/A	860.0000	815.0000	3	6	FM	PL 107.2	

ZONE: "ZONE 4"				700/800 FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	765.0000	765.0000	765.0000	3	7	FM	CSQ	
2	774.0000	774.0000	774.0000	3	8	FM	CSQ	
3	795.00TX	775.0000	795.0000	3	9	FM	CSQ	
4	815.50TX	775.0000	815.5000	3	10	FM	CSQ	
5	851.0250	851.0250	851.0250	3	11	FM	CSQ	
6	851.0375	851.0375	851.0375	3	12	FM	CSQ	
7	862.5375	862.5375	862.5375	3	13	FM	CSQ	
8	856.3375	856.3375	856.3375	3	14	FM	CSQ	
9	860.0000	860.0000	860.0000	3	15	FM	CSQ	
10	868.0125	868.0125	868.0125	3	16	FM	CSQ	
11	868.9875	868.9875	868.9875	3	17	FM	CSQ	

TABLE 12: VHF/700/800 MHz Dual Band Channels

UHF LO-UHF HI DUAL BAND MODULE								
ZONE: "ZONE 1"								
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	380.00CSN	380.0000	380.0000	1	1	FM	CSQ	SCAN-1
2	451.00CSN	451.0000	451.0000	1	2	FM	CSQ	SCAN-1
3	512.00CSN	512.0000	512.0000	1	3	FM	CSQ	SCAN-1
4	451.00PLN	451.0000	451.0000	1	4	FM	PL 103.5	
5	451.0DPLN	451.0000	451.0000	1	5	FM	DPL 152	
6	380.00DIG	380.0000	380.0000	2	1	DIGITAL	NAC 293	
7	451.00DIG	451.0000	451.0000	2	2	DIGITAL	NAC 293	
8	512.00DIG	512.0000	512.0000	2	3	DIGITAL	NAC 293	
9	452.00T/A	452.0000	457.0000	1	6	FM	PL 107.2	

ZONE: "ZONE 2"								
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	403.0000	403.0000	403.0000	1	7	FM	CSQ	
2	418.1000	418.1000	418.1000	1	8	FM	CSQ	
3	441.5000	441.5000	441.5000	1	9	FM	CSQ	
4	454.0000	454.0000	454.0000	1	10	FM	CSQ	
5	461.5000	461.5000	461.5000	1	11	FM	CSQ	
6	469.5000	469.5000	469.5000	1	12	FM	CSQ	
7	489.0000	489.0000	489.0000	1	13	FM	CSQ	
8	510.0000	510.0000	510.0000	1	14	FM	CSQ	
9	512.0000	512.0000	512.0000	1	15	FM	CSQ	

TABLE 13: UHF LO/UHF HI Dual Band Channels

UHF LO-700/800 DUAL BAND MODULE								
ZONE: "ZONE 1"				UHF LO FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	380.00CSN	380.0000	380.0000	1	1	FM	CSQ	SCAN-1
2	425.00CSN	425.0000	425.0000	1	2	FM	CSQ	SCAN-1
3	470.00CSN	470.0000	470.0000	1	3	FM	CSQ	SCAN-1
4	425.00PLN	425.0000	425.0000	1	4	FM	PL 103.5	
5	425.0DPLN	425.0000	425.0000	1	5	FM	DPL 152	
6	380.00DIG	380.0000	380.0000	2	1	DIGITAL	NAC 293	
7	425.00DIG	425.0000	425.0000	2	2	DIGITAL	NAC 293	
8	470.00DIG	470.0000	470.0000	2	3	DIGITAL	NAC 293	
9	452.00T/A	452.0000	457.0000	1	6	FM	PL 107.2	

ZONE: "ZONE 2"				UHF LO FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	403.0000	403.0000	403.0000	1	7	FM	CSQ	
2	418.0000	418.0000	418.0000	1	8	FM	CSQ	
3	441.5000	441.5000	441.5000	1	9	FM	CSQ	
4	454.0000	454.0000	454.0000	1	10	FM	CSQ	
5	461.5000	461.5000	461.5000	1	11	FM	CSQ	
6	469.0000	469.0000	469.0000	1	12	FM	CSQ	

TABLE 14: UHF LO/700/800 MHz Dual Band Channels
(continued on next page)

UHF LO-700/800 DUAL BAND MODULE								
ZONE: "ZONE 3"				700/800 FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	851.0125CSN	851.0125	851.0125	3	1	FM	CSQ	SCAN-1
2	866.0000CSN	866.0000	866.0000	3	2	FM	CSQ	SCAN-1
3	868.9875CSN	868.9875	868.9875	3	3	FM	CSQ	SCAN-1
4	866.0000PLN	866.0000	866.0000	3	4	FM	PL 103.5	
5	866.000DPLN	866.0000	866.0000	3	5	FM	DPL 152	
6	851.0125DIG	851.0125	851.0125	4	1	DIGITAL	NAC 293	
7	866.0000DIG	866.0000	866.0000	4	2	DIGITAL	NAC 293	
8	868.9875DIG	868.9875	868.9875	4	3	DIGITAL	NAC 293	
9	860.00T/A	860.0000	815.0000	3	6	FM	PL 107.2	

ZONE: "ZONE 4"				700/800 FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	765.0000	765.0000	765.0000	3	7	FM	CSQ	
2	774.0000	774.0000	774.0000	3	8	FM	CSQ	
3	795.00TX	775.0000	795.0000	3	9	FM	CSQ	
4	815.50TX	775.0000	815.5000	3	10	FM	CSQ	
5	851.0250	851.0250	851.0250	3	11	FM	CSQ	
6	851.0375	851.0375	851.0375	3	12	FM	CSQ	
7	862.5375	862.5375	862.5375	3	13	FM	CSQ	
8	856.3375	856.3375	856.3375	3	14	FM	CSQ	
9	860.0000	860.0000	860.0000	3	15	FM	CSQ	
10	868.0125	868.0125	868.0125	3	16	FM	CSQ	
11	868.9875	868.9875	868.9875	3	17	FM	CSQ	

TABLE 14: UHF LO/700/800 MHz Dual Band Channels

UHF HI-700/800 DUAL BAND MODULE								
ZONE: "ZONE 1"				UHF HI FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	450.00CSN	450.0000	450.0000	1	1	FM	CSQ	SCAN-1
2	481.00CSN	481.0000	481.0000	1	2	FM	CSQ	SCAN-1
3	512.00CSN	512.0000	512.0000	1	3	FM	CSQ	SCAN-1
4	481.00PLN	481.0000	481.0000	1	4	FM	PL 103.5	
5	481.0DPLN	481.0000	481.0000	1	5	FM	DPL 152	
6	450.00DIG	450.0000	450.0000	2	1	DIGITAL	NAC 293	
7	481.00DIG	481.0000	481.0000	2	2	DIGITAL	NAC 293	
8	512.00DIG	512.0000	512.0000	2	3	DIGITAL	NAC 293	
9	462.00T/A	462.0000	467.0000	1	6	FM	PL 107.2	

ZONE: "ZONE 2"				UHF HI FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	454.0000	454.0000	454.0000	1	7	FM	CSQ	
2	461.5000	461.5000	461.5000	1	8	FM	CSQ	
3	469.5000	469.5000	469.5000	1	9	FM	CSQ	
4	489.0000	489.0000	489.0000	1	10	FM	CSQ	
5	510.0000	510.0000	510.0000	1	11	FM	CSQ	
6	512.0000	512.0000	512.0000	1	12	FM	CSQ	

TABLE 15: UHF HI/700/800 MHz Dual Band Channels
(continued on next page)

UHF HI-700/800 DUAL BAND MODULE								
ZONE: "ZONE 3"				700/800 FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	851.0125CSN	851.0125	851.0125	3	1	FM	CSQ	SCAN-1
2	866.0000CSN	866.0000	866.0000	3	2	FM	CSQ	SCAN-1
3	868.9875CSN	868.9875	868.9875	3	3	FM	CSQ	SCAN-1
4	866.0000PLN	866.0000	866.0000	3	4	FM	PL 103.5	
5	866.000DPLN	866.0000	866.0000	3	5	FM	DPL 152	
6	851.0125DIG	851.0125	851.0125	4	1	DIGITAL	NAC 293	
7	866.0000DIG	866.0000	866.0000	4	2	DIGITAL	NAC 293	
8	868.9875DIG	868.9875	868.9875	4	3	DIGITAL	NAC 293	
9	860.00T/A	860.0000	815.0000	3	6	FM	PL 107.2	

ZONE: "ZONE 4"				700/800 FREQUENCIES				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	PERS. NO.	FREQ. OPTION	MOD TYPE	TONE/ CODE	NOTES
1	765.0000	765.0000	765.0000	3	7	FM	CSQ	
2	774.0000	774.0000	774.0000	3	8	FM	CSQ	
3	795.00TX	775.0000	795.0000	3	9	FM	CSQ	
4	815.50TX	775.0000	815.5000	3	10	FM	CSQ	
5	851.0250	851.0250	851.0250	3	11	FM	CSQ	
6	851.0375	851.0375	851.0375	3	12	FM	CSQ	
7	862.5375	862.5375	862.5375	3	13	FM	CSQ	
8	856.3375	856.3375	856.3375	3	14	FM	CSQ	
9	860.0000	860.0000	860.0000	3	15	FM	CSQ	
10	868.0125	868.0125	868.0125	3	16	FM	CSQ	
11	868.9875	868.9875	868.9875	3	17	FM	CSQ	

TABLE 15: UHF HI/700/800 MHz Dual Band Channels

SECTION 3: ANALOG BAND DEFAULT CHANNELS

This section shows the default channel programming for the 3 analog modules. Analog programming is much-simplified compared to the P25 modules. Channels are preset and the number of channels is fixed at 200. See Table 16 for the 3 listings.

MODULE	BAND	FREQUENCY TABLE
VHF LO	30 – 50 MHz	17
VHF AM	118 – 138 MHz	18
UHF AM	225 – 400 MHz	19

TABEL 16: Analog Rf module legend.

VHF LOW BAND RF BAND MODULE									
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	RX CTCSS	TX CTCSS	RX DPL	TX DPL	SCAN	BW
1	CSQ W	31.0000	31.0000	CSQ	CSQ	000	000	N	W
2	CSQ W	41.0000	41.0000	CSQ	CSQ	000	000	N	W
3	CSQ W	49.9000	49.9000	CSQ	CSQ	000	000	N	W
4	CSQ N	31.0000	31.0000	CSQ	CSQ	000	000	N	N
5	CSQ N	41.0000	41.0000	CSQ	CSQ	000	000	N	N
6	CSQ N	49.9000	49.9000	CSQ	CSQ	000	000	N	N
7	152 DPL	31.0000	31.0000	CSQ	CSQ	152	152	N	W
8	152 DPL	41.0000	41.0000	CSQ	CSQ	152	152	N	W
9	152 DPL	49.9000	49.9000	CSQ	CSQ	152	152	N	W
10	103.5 PL	31.0000	31.0000	103.5	103.5	000	000	N	W
11	103.5 PL	41.0000	41.0000	103.5	103.5	000	000	N	W
12	103.5 PL	49.9000	49.9000	103.5	103.5	000	000	N	W
13	FREQ	50.0000	50.0000	CSQ	CSQ	000	000	N	W
14	TUNER 1	31.0000	31.0000	CSQ	CSQ	000	000	N	W
15	TUNER 2	35.0000	35.0000	CSQ	CSQ	000	000	N	W
16	TUNER 3	39.0000	39.0000	CSQ	CSQ	000	000	N	W
17	TUNER 4	41.0000	41.0000	CSQ	CSQ	000	000	N	W
18	TUNER 5	45.0000	45.0000	CSQ	CSQ	000	000	N	W
19	TUNER 6	49.0000	49.0000	CSQ	CSQ	000	000	N	W
20	CHAN 20	41.0000	41.0000	CSQ	CSQ	000	000	N	W
21	CHAN 21	41.0000	41.0000	CSQ	CSQ	000	000	N	W
22	CHAN 22	41.0000	41.0000	CSQ	CSQ	000	000	N	W
23	CHAN 23	41.0000	41.0000	CSQ	CSQ	000	000	N	W
24	CHAN 24	41.0000	41.0000	CSQ	CSQ	000	000	N	W
25	CHAN 25	41.0000	41.0000	CSQ	CSQ	000	000	N	W
26	CHAN 26	41.0000	41.0000	CSQ	CSQ	000	000	N	W
27	CHAN 27	41.0000	41.0000	CSQ	CSQ	000	000	N	W
28	CHAN 28	41.0000	41.0000	CSQ	CSQ	000	000	N	W
29	CHAN 29	41.0000	41.0000	CSQ	CSQ	000	000	N	W
30	CHAN 30	41.0000	41.0000	CSQ	CSQ	000	000	N	W
31	CHAN 31	41.0000	41.0000	CSQ	CSQ	000	000	N	W
32	CHAN 32	41.0000	41.0000	CSQ	CSQ	000	000	N	W
33	CHAN 33	41.0000	41.0000	CSQ	CSQ	000	000	N	W
34	CHAN 34	41.0000	41.0000	CSQ	CSQ	000	000	N	W

35	CHAN	35	41.0000	41.0000	CSQ	CSQ	000	000	N	W
36	CHAN	36	41.0000	41.0000	CSQ	CSQ	000	000	N	W
37	CHAN	37	41.0000	41.0000	CSQ	CSQ	000	000	N	W
38	CHAN	38	41.0000	41.0000	CSQ	CSQ	000	000	N	W
39	CHAN	39	41.0000	41.0000	CSQ	CSQ	000	000	N	W
40	CHAN	40	41.0000	41.0000	CSQ	CSQ	000	000	N	W
41	CHAN	41	41.0000	41.0000	CSQ	CSQ	000	000	N	W
42	CHAN	42	41.0000	41.0000	CSQ	CSQ	000	000	N	W
43	CHAN	43	41.0000	41.0000	CSQ	CSQ	000	000	N	W
44	CHAN	44	41.0000	41.0000	CSQ	CSQ	000	000	N	W
45	CHAN	45	41.0000	41.0000	CSQ	CSQ	000	000	N	W
46	CHAN	46	41.0000	41.0000	CSQ	CSQ	000	000	N	W
47	CHAN	47	41.0000	41.0000	CSQ	CSQ	000	000	N	W
48	CHAN	48	41.0000	41.0000	CSQ	CSQ	000	000	N	W
49	CHAN	49	41.0000	41.0000	CSQ	CSQ	000	000	N	W
50	CHAN	50	41.0000	41.0000	CSQ	CSQ	000	000	N	W
51	CHAN	51	41.0000	41.0000	CSQ	CSQ	000	000	N	W
52	CHAN	52	41.0000	41.0000	CSQ	CSQ	000	000	N	W
53	CHAN	53	41.0000	41.0000	CSQ	CSQ	000	000	N	W
54	CHAN	54	41.0000	41.0000	CSQ	CSQ	000	000	N	W
55	CHAN	55	41.0000	41.0000	CSQ	CSQ	000	000	N	W
56	CHAN	56	41.0000	41.0000	CSQ	CSQ	000	000	N	W
57	CHAN	57	41.0000	41.0000	CSQ	CSQ	000	000	N	W
58	CHAN	58	41.0000	41.0000	CSQ	CSQ	000	000	N	W
59	CHAN	59	41.0000	41.0000	CSQ	CSQ	000	000	N	W
60	CHAN	60	41.0000	41.0000	CSQ	CSQ	000	000	N	W
61	CHAN	61	41.0000	41.0000	CSQ	CSQ	000	000	N	W
62	CHAN	62	41.0000	41.0000	CSQ	CSQ	000	000	N	W
63	CHAN	63	41.0000	41.0000	CSQ	CSQ	000	000	N	W
64	CHAN	64	41.0000	41.0000	CSQ	CSQ	000	000	N	W
65	CHAN	65	41.0000	41.0000	CSQ	CSQ	000	000	N	W
66	CHAN	66	41.0000	41.0000	CSQ	CSQ	000	000	N	W
67	CHAN	67	41.0000	41.0000	CSQ	CSQ	000	000	N	W
68	CHAN	68	41.0000	41.0000	CSQ	CSQ	000	000	N	W
69	CHAN	69	41.0000	41.0000	CSQ	CSQ	000	000	N	W
70	CHAN	70	41.0000	41.0000	CSQ	CSQ	000	000	N	W
71	CHAN	71	41.0000	41.0000	CSQ	CSQ	000	000	N	W
72	CHAN	72	41.0000	41.0000	CSQ	CSQ	000	000	N	W
73	CHAN	73	41.0000	41.0000	CSQ	CSQ	000	000	N	W
74	CHAN	74	41.0000	41.0000	CSQ	CSQ	000	000	N	W
75	CHAN	75	41.0000	41.0000	CSQ	CSQ	000	000	N	W
76	CHAN	76	41.0000	41.0000	CSQ	CSQ	000	000	N	W
77	CHAN	77	41.0000	41.0000	CSQ	CSQ	000	000	N	W
78	CHAN	78	41.0000	41.0000	CSQ	CSQ	000	000	N	W
79	CHAN	79	41.0000	41.0000	CSQ	CSQ	000	000	N	W
80	CHAN	80	41.0000	41.0000	CSQ	CSQ	000	000	N	W
81	CHAN	81	41.0000	41.0000	CSQ	CSQ	000	000	N	W
82	CHAN	82	41.0000	41.0000	CSQ	CSQ	000	000	N	W
83	CHAN	83	41.0000	41.0000	CSQ	CSQ	000	000	N	W
84	CHAN	84	41.0000	41.0000	CSQ	CSQ	000	000	N	W

85	CHAN	85	41.0000	41.0000	CSQ	CSQ	000	000	N	W
86	CHAN	86	41.0000	41.0000	CSQ	CSQ	000	000	N	W
87	CHAN	87	41.0000	41.0000	CSQ	CSQ	000	000	N	W
88	CHAN	88	41.0000	41.0000	CSQ	CSQ	000	000	N	W
89	CHAN	89	41.0000	41.0000	CSQ	CSQ	000	000	N	W
90	CHAN	90	41.0000	41.0000	CSQ	CSQ	000	000	N	W
91	CHAN	91	41.0000	41.0000	CSQ	CSQ	000	000	N	W
92	CHAN	92	41.0000	41.0000	CSQ	CSQ	000	000	N	W
93	CHAN	93	41.0000	41.0000	CSQ	CSQ	000	000	N	W
94	CHAN	94	41.0000	41.0000	CSQ	CSQ	000	000	N	W
95	CHAN	95	41.0000	41.0000	CSQ	CSQ	000	000	N	W
96	CHAN	96	41.0000	41.0000	CSQ	CSQ	000	000	N	W
97	CHAN	97	41.0000	41.0000	CSQ	CSQ	000	000	N	W
98	CHAN	98	41.0000	41.0000	CSQ	CSQ	000	000	N	W
99	CHAN	99	41.0000	41.0000	CSQ	CSQ	000	000	N	W
100	CHAN	100	41.0000	41.0000	CSQ	CSQ	000	000	N	W
101	CHAN	101	41.0000	41.0000	CSQ	CSQ	000	000	N	W
102	CHAN	102	41.0000	41.0000	CSQ	CSQ	000	000	N	W
103	CHAN	103	41.0000	41.0000	CSQ	CSQ	000	000	N	W
104	CHAN	104	41.0000	41.0000	CSQ	CSQ	000	000	N	W
105	CHAN	105	41.0000	41.0000	CSQ	CSQ	000	000	N	W
106	CHAN	106	41.0000	41.0000	CSQ	CSQ	000	000	N	W
107	CHAN	107	41.0000	41.0000	CSQ	CSQ	000	000	N	W
108	CHAN	108	41.0000	41.0000	CSQ	CSQ	000	000	N	W
109	CHAN	109	41.0000	41.0000	CSQ	CSQ	000	000	N	W
110	CHAN	110	41.0000	41.0000	CSQ	CSQ	000	000	N	W
111	CHAN	111	41.0000	41.0000	CSQ	CSQ	000	000	N	W
112	CHAN	112	41.0000	41.0000	CSQ	CSQ	000	000	N	W
113	CHAN	113	41.0000	41.0000	CSQ	CSQ	000	000	N	W
114	CHAN	114	41.0000	41.0000	CSQ	CSQ	000	000	N	W
115	CHAN	115	41.0000	41.0000	CSQ	CSQ	000	000	N	W
116	CHAN	116	41.0000	41.0000	CSQ	CSQ	000	000	N	W
117	CHAN	117	41.0000	41.0000	CSQ	CSQ	000	000	N	W
118	CHAN	118	41.0000	41.0000	CSQ	CSQ	000	000	N	W
119	CHAN	119	41.0000	41.0000	CSQ	CSQ	000	000	N	W
120	CHAN	120	41.0000	41.0000	CSQ	CSQ	000	000	N	W
121	CHAN	121	41.0000	41.0000	CSQ	CSQ	000	000	N	W
122	CHAN	122	41.0000	41.0000	CSQ	CSQ	000	000	N	W
123	CHAN	123	41.0000	41.0000	CSQ	CSQ	000	000	N	W
124	CHAN	124	41.0000	41.0000	CSQ	CSQ	000	000	N	W
125	CHAN	125	41.0000	41.0000	CSQ	CSQ	000	000	N	W
126	CHAN	126	41.0000	41.0000	CSQ	CSQ	000	000	N	W
127	CHAN	127	41.0000	41.0000	CSQ	CSQ	000	000	N	W
128	CHAN	128	41.0000	41.0000	CSQ	CSQ	000	000	N	W
129	CHAN	129	41.0000	41.0000	CSQ	CSQ	000	000	N	W
130	CHAN	130	41.0000	41.0000	CSQ	CSQ	000	000	N	W
131	CHAN	131	41.0000	41.0000	CSQ	CSQ	000	000	N	W
132	CHAN	132	41.0000	41.0000	CSQ	CSQ	000	000	N	W
133	CHAN	133	41.0000	41.0000	CSQ	CSQ	000	000	N	W
134	CHAN	134	41.0000	41.0000	CSQ	CSQ	000	000	N	W

135	CHAN	135	41.0000	41.0000	CSQ	CSQ	000	000	N	W
136	CHAN	136	41.0000	41.0000	CSQ	CSQ	000	000	N	W
137	CHAN	137	41.0000	41.0000	CSQ	CSQ	000	000	N	W
138	CHAN	138	41.0000	41.0000	CSQ	CSQ	000	000	N	W
139	CHAN	139	41.0000	41.0000	CSQ	CSQ	000	000	N	W
140	CHAN	140	41.0000	41.0000	CSQ	CSQ	000	000	N	W
141	CHAN	141	41.0000	41.0000	CSQ	CSQ	000	000	N	W
142	CHAN	142	41.0000	41.0000	CSQ	CSQ	000	000	N	W
143	CHAN	143	41.0000	41.0000	CSQ	CSQ	000	000	N	W
144	CHAN	144	41.0000	41.0000	CSQ	CSQ	000	000	N	W
145	CHAN	145	41.0000	41.0000	CSQ	CSQ	000	000	N	W
146	CHAN	146	41.0000	41.0000	CSQ	CSQ	000	000	N	W
147	CHAN	147	41.0000	41.0000	CSQ	CSQ	000	000	N	W
148	CHAN	148	41.0000	41.0000	CSQ	CSQ	000	000	N	W
149	CHAN	149	41.0000	41.0000	CSQ	CSQ	000	000	N	W
150	CHAN	150	41.0000	41.0000	CSQ	CSQ	000	000	N	W
151	CHAN	151	41.0000	41.0000	CSQ	CSQ	000	000	N	W
152	CHAN	152	41.0000	41.0000	CSQ	CSQ	000	000	N	W
153	CHAN	153	41.0000	41.0000	CSQ	CSQ	000	000	N	W
154	CHAN	154	41.0000	41.0000	CSQ	CSQ	000	000	N	W
155	CHAN	155	41.0000	41.0000	CSQ	CSQ	000	000	N	W
156	CHAN	156	41.0000	41.0000	CSQ	CSQ	000	000	N	W
157	CHAN	157	41.0000	41.0000	CSQ	CSQ	000	000	N	W
158	CHAN	158	41.0000	41.0000	CSQ	CSQ	000	000	N	W
159	CHAN	159	41.0000	41.0000	CSQ	CSQ	000	000	N	W
160	CHAN	160	41.0000	41.0000	CSQ	CSQ	000	000	N	W
161	CHAN	161	41.0000	41.0000	CSQ	CSQ	000	000	N	W
162	CHAN	162	41.0000	41.0000	CSQ	CSQ	000	000	N	W
163	CHAN	163	41.0000	41.0000	CSQ	CSQ	000	000	N	W
164	CHAN	164	41.0000	41.0000	CSQ	CSQ	000	000	N	W
165	CHAN	165	41.0000	41.0000	CSQ	CSQ	000	000	N	W
166	CHAN	166	41.0000	41.0000	CSQ	CSQ	000	000	N	W
167	CHAN	167	41.0000	41.0000	CSQ	CSQ	000	000	N	W
168	CHAN	168	41.0000	41.0000	CSQ	CSQ	000	000	N	W
169	CHAN	169	41.0000	41.0000	CSQ	CSQ	000	000	N	W
170	CHAN	170	41.0000	41.0000	CSQ	CSQ	000	000	N	W
171	CHAN	171	41.0000	41.0000	CSQ	CSQ	000	000	N	W
172	CHAN	172	41.0000	41.0000	CSQ	CSQ	000	000	N	W
173	CHAN	173	41.0000	41.0000	CSQ	CSQ	000	000	N	W
174	CHAN	174	41.0000	41.0000	CSQ	CSQ	000	000	N	W
175	CHAN	175	41.0000	41.0000	CSQ	CSQ	000	000	N	W
176	CHAN	176	41.0000	41.0000	CSQ	CSQ	000	000	N	W
177	CHAN	177	41.0000	41.0000	CSQ	CSQ	000	000	N	W
178	CHAN	178	41.0000	41.0000	CSQ	CSQ	000	000	N	W
179	CHAN	179	41.0000	41.0000	CSQ	CSQ	000	000	N	W
180	CHAN	180	41.0000	41.0000	CSQ	CSQ	000	000	N	W
181	CHAN	181	41.0000	41.0000	CSQ	CSQ	000	000	N	W
182	CHAN	182	41.0000	41.0000	CSQ	CSQ	000	000	N	W
183	CHAN	183	41.0000	41.0000	CSQ	CSQ	000	000	N	W
184	CHAN	184	41.0000	41.0000	CSQ	CSQ	000	000	N	W

185	CHAN 185	41.0000	41.0000	CSQ	CSQ	000	000	N	W
186	CHAN 186	41.0000	41.0000	CSQ	CSQ	000	000	N	W
187	CHAN 187	41.0000	41.0000	CSQ	CSQ	000	000	N	W
188	CHAN 188	41.0000	41.0000	CSQ	CSQ	000	000	N	W
189	CHAN 189	41.0000	41.0000	CSQ	CSQ	000	000	N	W
190	CHAN 190	41.0000	41.0000	CSQ	CSQ	000	000	N	W
191	CHAN 191	41.0000	41.0000	CSQ	CSQ	000	000	N	W
192	CHAN 192	41.0000	41.0000	CSQ	CSQ	000	000	N	W
193	CHAN 193	41.0000	41.0000	CSQ	CSQ	000	000	N	W
194	CHAN 194	41.0000	41.0000	CSQ	CSQ	000	000	N	W
195	CHAN 195	41.0000	41.0000	CSQ	CSQ	000	000	N	W
196	CHAN 196	41.0000	41.0000	CSQ	CSQ	000	000	N	W
197	CHAN 197	41.0000	41.0000	CSQ	CSQ	000	000	N	W
198	CHAN 198	41.0000	41.0000	CSQ	CSQ	000	000	N	W
199	CHAN 199	41.0000	41.0000	CSQ	CSQ	000	000	N	W
200	CHAN 200	41.0000	41.0000	CSQ	CSQ	000	000	N	W

TABLE 17: VHF LO Analog FM Frequencies

VHF AM RF BAND MODULE				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	SCAN
1	CHAN 1	118.0000	118.0000	N
2	CHAN 2	129.0000	129.0000	N
3	CHAN 3	138.0000	138.0000	N
4	CHAN 4	119.0000	119.0000	N
5	CHAN 5	120.0000	120.0000	N
6	CHAN 6	121.0000	121.0000	N
7	CHAN 7	122.0000	122.0000	N
8	CHAN 8	123.0000	123.0000	N
9	CHAN 9	124.0000	124.0000	N
10	CHAN 10	125.0000	125.0000	N
11	CHAN 11	126.0000	126.0000	N
12	CHAN 12	127.0000	127.0000	N
13	CHAN 13	128.0000	128.0000	N
14	CHAN 14	129.0000	129.0000	N
15	CHAN 15	130.0000	130.0000	N
16	CHAN 16	131.0000	131.0000	N
17	CHAN 17	132.0000	132.0000	N
18	CHAN 18	133.0000	133.0000	N
19	CHAN 19	134.0000	134.0000	N
20	CHAN 20	135.0000	135.0000	N
21	CHAN 21	136.0000	136.0000	N
22	CHAN 22	137.0000	137.0000	N
23	CHAN 23	138.0000	138.0000	N
24	CHAN 24	129.0000	129.0000	N
25	CHAN 25	129.0000	129.0000	N
26	CHAN 26	129.0000	129.0000	N
27	CHAN 27	129.0000	129.0000	N
28	CHAN 28	129.0000	129.0000	N
29	CHAN 29	129.0000	129.0000	N
30	CHAN 30	129.0000	129.0000	N
31	CHAN 31	129.0000	129.0000	N
32	CHAN 32	129.0000	129.0000	N
33	CHAN 33	129.0000	129.0000	N
34	CHAN 34	129.0000	129.0000	N
35	CHAN 35	129.0000	129.0000	N
36	CHAN 36	129.0000	129.0000	N
37	CHAN 37	129.0000	129.0000	N
38	CHAN 38	129.0000	129.0000	N
39	CHAN 39	129.0000	129.0000	N
40	CHAN 40	129.0000	129.0000	N
41	CHAN 41	129.0000	129.0000	N
42	CHAN 42	129.0000	129.0000	N
43	CHAN 43	129.0000	129.0000	N
44	CHAN 44	129.0000	129.0000	N

45	CHAN 45	129.0000	129.0000	N
46	CHAN 46	129.0000	129.0000	N
47	CHAN 47	129.0000	129.0000	N
48	CHAN 48	129.0000	129.0000	N
49	CHAN 49	129.0000	129.0000	N
50	CHAN 50	129.0000	129.0000	N
51	CHAN 51	129.0000	129.0000	N
52	CHAN 52	129.0000	129.0000	N
53	CHAN 53	129.0000	129.0000	N
54	CHAN 54	129.0000	129.0000	N
55	CHAN 55	129.0000	129.0000	N
56	CHAN 56	129.0000	129.0000	N
57	CHAN 57	129.0000	129.0000	N
58	CHAN 58	129.0000	129.0000	N
59	CHAN 59	129.0000	129.0000	N
60	CHAN 60	129.0000	129.0000	N
61	CHAN 61	129.0000	129.0000	N
62	CHAN 62	129.0000	129.0000	N
63	CHAN 63	129.0000	129.0000	N
64	CHAN 64	129.0000	129.0000	N
65	CHAN 65	129.0000	129.0000	N
66	CHAN 66	129.0000	129.0000	N
67	CHAN 67	129.0000	129.0000	N
68	CHAN 68	129.0000	129.0000	N
69	CHAN 69	129.0000	129.0000	N
70	CHAN 70	129.0000	129.0000	N
71	CHAN 71	129.0000	129.0000	N
72	CHAN 72	129.0000	129.0000	N
73	CHAN 73	129.0000	129.0000	N
74	CHAN 74	129.0000	129.0000	N
75	CHAN 75	129.0000	129.0000	N
76	CHAN 76	129.0000	129.0000	N
77	CHAN 77	129.0000	129.0000	N
78	CHAN 78	129.0000	129.0000	N
79	CHAN 79	129.0000	129.0000	N
80	CHAN 80	129.0000	129.0000	N
81	CHAN 81	129.0000	129.0000	N
82	CHAN 82	129.0000	129.0000	N
83	CHAN 83	129.0000	129.0000	N
84	CHAN 84	129.0000	129.0000	N
85	CHAN 85	129.0000	129.0000	N
86	CHAN 86	129.0000	129.0000	N
87	CHAN 87	129.0000	129.0000	N
88	CHAN 88	129.0000	129.0000	N
89	CHAN 89	129.0000	129.0000	N
90	CHAN 90	129.0000	129.0000	N
91	CHAN 91	129.0000	129.0000	N
92	CHAN 92	129.0000	129.0000	N
93	CHAN 93	129.0000	129.0000	N
94	CHAN 94	129.0000	129.0000	N

95	CHAN 95	129.0000	129.0000	N
96	CHAN 96	129.0000	129.0000	N
97	CHAN 97	129.0000	129.0000	N
98	CHAN 98	129.0000	129.0000	N
99	CHAN 99	129.0000	129.0000	N
100	CHAN 100	129.0000	129.0000	N
101	CHAN 101	129.0000	129.0000	N
102	CHAN 102	129.0000	129.0000	N
103	CHAN 103	129.0000	129.0000	N
104	CHAN 104	129.0000	129.0000	N
105	CHAN 105	129.0000	129.0000	N
106	CHAN 106	129.0000	129.0000	N
107	CHAN 107	129.0000	129.0000	N
108	CHAN 108	129.0000	129.0000	N
109	CHAN 109	129.0000	129.0000	N
110	CHAN 110	129.0000	129.0000	N
111	CHAN 111	129.0000	129.0000	N
112	CHAN 112	129.0000	129.0000	N
113	CHAN 113	129.0000	129.0000	N
114	CHAN 114	129.0000	129.0000	N
115	CHAN 115	129.0000	129.0000	N
116	CHAN 116	129.0000	129.0000	N
117	CHAN 117	129.0000	129.0000	N
118	CHAN 118	129.0000	129.0000	N
119	CHAN 119	129.0000	129.0000	N
120	CHAN 120	129.0000	129.0000	N
121	CHAN 121	129.0000	129.0000	N
122	CHAN 122	129.0000	129.0000	N
123	CHAN 123	129.0000	129.0000	N
124	CHAN 124	129.0000	129.0000	N
125	CHAN 125	129.0000	129.0000	N
126	CHAN 126	129.0000	129.0000	N
127	CHAN 127	129.0000	129.0000	N
128	CHAN 128	129.0000	129.0000	N
129	CHAN 129	129.0000	129.0000	N
130	CHAN 130	129.0000	129.0000	N
131	CHAN 131	129.0000	129.0000	N
132	CHAN 132	129.0000	129.0000	N
133	CHAN 133	129.0000	129.0000	N
134	CHAN 134	129.0000	129.0000	N
135	CHAN 135	129.0000	129.0000	N
136	CHAN 136	129.0000	129.0000	N
137	CHAN 137	129.0000	129.0000	N
138	CHAN 138	129.0000	129.0000	N
139	CHAN 139	129.0000	129.0000	N
140	CHAN 140	129.0000	129.0000	N
141	CHAN 141	129.0000	129.0000	N
142	CHAN 142	129.0000	129.0000	N
143	CHAN 143	129.0000	129.0000	N
144	CHAN 144	129.0000	129.0000	N

145	CHAN 145	129.0000	129.0000	N
146	CHAN 146	129.0000	129.0000	N
147	CHAN 147	129.0000	129.0000	N
148	CHAN 148	129.0000	129.0000	N
149	CHAN 149	129.0000	129.0000	N
150	CHAN 150	129.0000	129.0000	N
151	CHAN 151	129.0000	129.0000	N
152	CHAN 152	129.0000	129.0000	N
153	CHAN 153	129.0000	129.0000	N
154	CHAN 154	129.0000	129.0000	N
155	CHAN 155	129.0000	129.0000	N
156	CHAN 156	129.0000	129.0000	N
157	CHAN 157	129.0000	129.0000	N
158	CHAN 158	129.0000	129.0000	N
159	CHAN 159	129.0000	129.0000	N
160	CHAN 160	129.0000	129.0000	N
161	CHAN 161	129.0000	129.0000	N
162	CHAN 162	129.0000	129.0000	N
163	CHAN 163	129.0000	129.0000	N
164	CHAN 164	129.0000	129.0000	N
165	CHAN 165	129.0000	129.0000	N
166	CHAN 166	129.0000	129.0000	N
167	CHAN 167	129.0000	129.0000	N
168	CHAN 168	129.0000	129.0000	N
169	CHAN 169	129.0000	129.0000	N
170	CHAN 170	129.0000	129.0000	N
171	CHAN 171	129.0000	129.0000	N
172	CHAN 172	129.0000	129.0000	N
173	CHAN 173	129.0000	129.0000	N
174	CHAN 174	129.0000	129.0000	N
175	CHAN 175	129.0000	129.0000	N
176	CHAN 176	129.0000	129.0000	N
177	CHAN 177	129.0000	129.0000	N
178	CHAN 178	129.0000	129.0000	N
179	CHAN 179	129.0000	129.0000	N
180	CHAN 180	129.0000	129.0000	N
181	CHAN 181	129.0000	129.0000	N
182	CHAN 182	129.0000	129.0000	N
183	CHAN 183	129.0000	129.0000	N
184	CHAN 184	129.0000	129.0000	N
185	CHAN 185	129.0000	129.0000	N
186	CHAN 186	129.0000	129.0000	N
187	CHAN 187	129.0000	129.0000	N
188	CHAN 188	129.0000	129.0000	N
189	CHAN 189	129.0000	129.0000	N
190	CHAN 190	129.0000	129.0000	N
191	CHAN 191	129.0000	129.0000	N
192	CHAN 192	129.0000	129.0000	N
193	CHAN 193	129.0000	129.0000	N
194	CHAN 194	129.0000	129.0000	N

195	CHAN 195	129.0000	129.0000	N
196	CHAN 196	129.0000	129.0000	N
197	CHAN 197	129.0000	129.0000	N
198	CHAN 198	129.0000	129.0000	N
199	CHAN 199	129.0000	129.0000	N
200	CHAN 200	129.0000	129.0000	N

TABLE 18: VHF AM RF Module Frequencies

UHF AM RF BAND MODULE				
CHANNEL	DISPLAY	RX FREQ.	TX FREQ.	SCAN
1	CHAN 1	225.0000	225.0000	N
2	CHAN 2	314.0000	314.0000	N
3	CHAN 3	400.0000	400.0000	N
4	CHAN 4	225.0000	225.0000	N
5	CHAN 5	242.5000	242.5000	N
6	CHAN 6	260.0000	260.0000	N
7	CHAN 7	277.5000	277.5000	N
8	CHAN 8	295.0000	295.0000	N
9	CHAN 9	312.5000	312.5000	N
10	CHAN 10	330.0000	330.0000	N
11	CHAN 11	347.5000	347.5000	N
12	CHAN 12	365.0000	365.0000	N
13	CHAN 13	382.5000	382.5000	N
14	CHAN 14	400.0000	400.0000	N
15	CHAN 15	314.0000	314.0000	N
16	CHAN 16	314.0000	314.0000	N
17	CHAN 17	314.0000	314.0000	N
18	CHAN 18	314.0000	314.0000	N
19	CHAN 19	314.0000	314.0000	N
20	CHAN 20	314.0000	314.0000	N
21	CHAN 21	314.0000	314.0000	N
22	CHAN 22	314.0000	314.0000	N
23	CHAN 23	314.0000	314.0000	N
24	CHAN 24	314.0000	314.0000	N
25	CHAN 25	314.0000	314.0000	N
26	CHAN 26	314.0000	314.0000	N
27	CHAN 27	314.0000	314.0000	N
28	CHAN 28	314.0000	314.0000	N
29	CHAN 29	314.0000	314.0000	N
30	CHAN 30	314.0000	314.0000	N
31	CHAN 31	314.0000	314.0000	N
32	CHAN 32	314.0000	314.0000	N
33	CHAN 33	314.0000	314.0000	N
34	CHAN 34	314.0000	314.0000	N
35	CHAN 35	314.0000	314.0000	N
36	CHAN 36	314.0000	314.0000	N
37	CHAN 37	314.0000	314.0000	N
38	CHAN 38	314.0000	314.0000	N
39	CHAN 39	314.0000	314.0000	N
40	CHAN 40	314.0000	314.0000	N
41	CHAN 41	314.0000	314.0000	N
42	CHAN 42	314.0000	314.0000	N
43	CHAN 43	314.0000	314.0000	N
44	CHAN 44	314.0000	314.0000	N
45	CHAN 45	314.0000	314.0000	N

46	CHAN 46	314.0000	314.0000	N
47	CHAN 47	314.0000	314.0000	N
48	CHAN 48	314.0000	314.0000	N
49	CHAN 49	314.0000	314.0000	N
50	CHAN 50	314.0000	314.0000	N
51	CHAN 51	314.0000	314.0000	N
52	CHAN 52	314.0000	314.0000	N
53	CHAN 53	314.0000	314.0000	N
54	CHAN 54	314.0000	314.0000	N
55	CHAN 55	314.0000	314.0000	N
56	CHAN 56	314.0000	314.0000	N
57	CHAN 57	314.0000	314.0000	N
58	CHAN 58	314.0000	314.0000	N
59	CHAN 59	314.0000	314.0000	N
60	CHAN 60	314.0000	314.0000	N
61	CHAN 61	314.0000	314.0000	N
62	CHAN 62	314.0000	314.0000	N
63	CHAN 63	314.0000	314.0000	N
64	CHAN 64	314.0000	314.0000	N
65	CHAN 65	314.0000	314.0000	N
66	CHAN 66	314.0000	314.0000	N
67	CHAN 67	314.0000	314.0000	N
68	CHAN 68	314.0000	314.0000	N
69	CHAN 69	314.0000	314.0000	N
70	CHAN 70	314.0000	314.0000	N
71	CHAN 71	314.0000	314.0000	N
72	CHAN 72	314.0000	314.0000	N
73	CHAN 73	314.0000	314.0000	N
74	CHAN 74	314.0000	314.0000	N
75	CHAN 75	314.0000	314.0000	N
76	CHAN 76	314.0000	314.0000	N
77	CHAN 77	314.0000	314.0000	N
78	CHAN 78	314.0000	314.0000	N
79	CHAN 79	314.0000	314.0000	N
80	CHAN 80	314.0000	314.0000	N
81	CHAN 81	314.0000	314.0000	N
82	CHAN 82	314.0000	314.0000	N
83	CHAN 83	314.0000	314.0000	N
84	CHAN 84	314.0000	314.0000	N
85	CHAN 85	314.0000	314.0000	N
86	CHAN 86	314.0000	314.0000	N
87	CHAN 87	314.0000	314.0000	N
88	CHAN 88	314.0000	314.0000	N
89	CHAN 89	314.0000	314.0000	N
90	CHAN 90	314.0000	314.0000	N
91	CHAN 91	314.0000	314.0000	N
92	CHAN 92	314.0000	314.0000	N
93	CHAN 93	314.0000	314.0000	N
94	CHAN 94	314.0000	314.0000	N
95	CHAN 95	314.0000	314.0000	N

96	CHAN 96	314.0000	314.0000	N
97	CHAN 97	314.0000	314.0000	N
98	CHAN 98	314.0000	314.0000	N
99	CHAN 99	314.0000	314.0000	N
100	CHAN 100	314.0000	314.0000	N
101	CHAN 101	314.0000	314.0000	N
102	CHAN 102	314.0000	314.0000	N
103	CHAN 103	314.0000	314.0000	N
104	CHAN 104	314.0000	314.0000	N
105	CHAN 105	314.0000	314.0000	N
106	CHAN 106	314.0000	314.0000	N
107	CHAN 107	314.0000	314.0000	N
108	CHAN 108	314.0000	314.0000	N
109	CHAN 109	314.0000	314.0000	N
110	CHAN 110	314.0000	314.0000	N
111	CHAN 111	314.0000	314.0000	N
112	CHAN 112	314.0000	314.0000	N
113	CHAN 113	314.0000	314.0000	N
114	CHAN 114	314.0000	314.0000	N
115	CHAN 115	314.0000	314.0000	N
116	CHAN 116	314.0000	314.0000	N
117	CHAN 117	314.0000	314.0000	N
118	CHAN 118	314.0000	314.0000	N
119	CHAN 119	314.0000	314.0000	N
120	CHAN 120	314.0000	314.0000	N
121	CHAN 121	314.0000	314.0000	N
122	CHAN 122	314.0000	314.0000	N
123	CHAN 123	314.0000	314.0000	N
124	CHAN 124	314.0000	314.0000	N
125	CHAN 125	314.0000	314.0000	N
126	CHAN 126	314.0000	314.0000	N
127	CHAN 127	314.0000	314.0000	N
128	CHAN 128	314.0000	314.0000	N
129	CHAN 129	314.0000	314.0000	N
130	CHAN 130	314.0000	314.0000	N
131	CHAN 131	314.0000	314.0000	N
132	CHAN 132	314.0000	314.0000	N
133	CHAN 133	314.0000	314.0000	N
134	CHAN 134	314.0000	314.0000	N
135	CHAN 135	314.0000	314.0000	N
136	CHAN 136	314.0000	314.0000	N
137	CHAN 137	314.0000	314.0000	N
138	CHAN 138	314.0000	314.0000	N
139	CHAN 139	314.0000	314.0000	N
140	CHAN 140	314.0000	314.0000	N
141	CHAN 141	314.0000	314.0000	N
142	CHAN 142	314.0000	314.0000	N
143	CHAN 143	314.0000	314.0000	N
144	CHAN 144	314.0000	314.0000	N
145	CHAN 145	314.0000	314.0000	N

146	CHAN 146	314.0000	314.0000	N
147	CHAN 147	314.0000	314.0000	N
148	CHAN 148	314.0000	314.0000	N
149	CHAN 149	314.0000	314.0000	N
150	CHAN 150	314.0000	314.0000	N
151	CHAN 151	314.0000	314.0000	N
152	CHAN 152	314.0000	314.0000	N
153	CHAN 153	314.0000	314.0000	N
154	CHAN 154	314.0000	314.0000	N
155	CHAN 155	314.0000	314.0000	N
156	CHAN 156	314.0000	314.0000	N
157	CHAN 157	314.0000	314.0000	N
158	CHAN 158	314.0000	314.0000	N
159	CHAN 159	314.0000	314.0000	N
160	CHAN 160	314.0000	314.0000	N
161	CHAN 161	314.0000	314.0000	N
162	CHAN 162	314.0000	314.0000	N
163	CHAN 163	314.0000	314.0000	N
164	CHAN 164	314.0000	314.0000	N
165	CHAN 165	314.0000	314.0000	N
166	CHAN 166	314.0000	314.0000	N
167	CHAN 167	314.0000	314.0000	N
168	CHAN 168	314.0000	314.0000	N
169	CHAN 169	314.0000	314.0000	N
170	CHAN 170	314.0000	314.0000	N
171	CHAN 171	314.0000	314.0000	N
172	CHAN 172	314.0000	314.0000	N
173	CHAN 173	314.0000	314.0000	N
174	CHAN 174	314.0000	314.0000	N
175	CHAN 175	314.0000	314.0000	N
176	CHAN 176	314.0000	314.0000	N
177	CHAN 177	314.0000	314.0000	N
178	CHAN 178	314.0000	314.0000	N
179	CHAN 179	314.0000	314.0000	N
180	CHAN 180	314.0000	314.0000	N
181	CHAN 181	314.0000	314.0000	N
182	CHAN 182	314.0000	314.0000	N
183	CHAN 183	314.0000	314.0000	N
184	CHAN 184	314.0000	314.0000	N
185	CHAN 185	314.0000	314.0000	N
186	CHAN 186	314.0000	314.0000	N
187	CHAN 187	314.0000	314.0000	N
188	CHAN 188	314.0000	314.0000	N
189	CHAN 189	314.0000	314.0000	N
190	CHAN 190	314.0000	314.0000	N
191	CHAN 191	314.0000	314.0000	N
192	CHAN 192	314.0000	314.0000	N
193	CHAN 193	314.0000	314.0000	N
194	CHAN 194	314.0000	314.0000	N
195	CHAN 195	314.0000	314.0000	N

196	CHAN 196	314.0000	314.0000	N
197	CHAN 197	314.0000	314.0000	N
198	CHAN 198	314.0000	314.0000	N
199	CHAN 199	314.0000	314.0000	N
200	CHAN 200	314.0000	314.0000	N

TABLE 19: UHF AM RF Module Frequencies