

TEST REPORT

*Covering the
CLIENT DYNAMIC FREQUENCY SELECTION (DFS)
REQUIREMENTS
OF
FCC Part 15 Subpart E (UNII), RSS-210 Annex 9*

*Motorola - Enterprise Mobility Products
Model(s): AP-7161-66S40*

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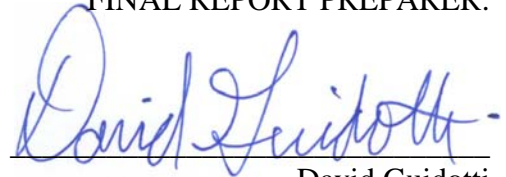
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REVISION HISTORY

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SCOPE

Test data has been taken pursuant to the relevant DFS requirements of the following standard(s):

- FCC Part 15 Subpart E Unlicensed National Information Infrastructure (U-NII) Devices.
- RSS-210 Annex 9 Local Area Network Devices.

Tests were performed in accordance with these standards together with the current published versions of the basic standards referenced therein as outlined in Elliott Laboratories test procedures. The test results recorded herein are based on a single type test of the Motorola - Enterprise Mobility Products model AP-7161-66S40 and therefore apply only to the tested sample. The sample was selected and prepared by Tom Costello of Motorola - Enterprise Mobility Products.

OBJECTIVE

The objective of the manufacturer is to comply with the standards identified in the previous section. In order to demonstrate compliance, the manufacturer or a contracted laboratory makes measurements and takes the necessary steps to ensure that the equipment complies with the appropriate technical standards. Compliance with some DFS features is covered through a manufacturer statement or through observation of the device.

STATEMENT OF COMPLIANCE

The tested sample of the Motorola - Enterprise Mobility Products model AP-7161-66S40 complied with the DFS requirements of FCC Part 15.407(h)(2) and RSS-210 Annex A9.3.

Maintenance of compliance is the responsibility of the manufacturer. Any modifications to the product should be assessed to determine their potential impact on the compliance status of the device with respect to the standards detailed in this test report.

DEVIATIONS FROM THE STANDARD

No deviations were made from the test methods and requirements covered by the scope of this report.

TEST RESULTS**TEST RESULTS SUMMARY – FCC Part 15, CLIENT DEVICE (December 13, 2011)**

Table 1 FCC Part 15 Subpart E Client Device Test Result Summary						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel closing transmission time	Type 1	5260 MHz	28ms	60ms	Appendix C	Pass
Channel move time	Type 1	5260 MHz	1.971s	10s	Appendix C	Pass
Non-occupancy period - associated	Type 1	5520 MHz	>30 minutes	> 30 minutes	Appendix C	Pass
Passive Scanning	N/A	N/A	Refer to manufacturer attestation			
1) Tests were performed using the radiated test method.						
2) Channel availability check, detection threshold and non-occupancy period are not applicable to client devices.						

TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE

Table 2 FCC Part 15 Subpart E Master Device Test Result Summary						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5500 MHz 5520MHz	70.47sec	≥ 60s	Appendix D	Pass
CAC Detection Threshold	Type 1	5500 MHz 5520MHz	-64 dBm	-64dBm (See note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5500 MHz 5510 MHz	-64 dBm (note 2)	-64dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Varies	17MHz 33MHz	80% of the 99% BW	Appendix B	Pass (note 4)
Channel closing transmission time	Type 1 Type 5	5510 MHz 5520 MHz	6.8ms 0ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5510 MHz 5520 MHz	1.928sec -6.529sec	≤ 10s	Appendix C	Pass
Non-occupancy period	-	5500 MHz 5510 MHz	> 1800 sec	> 30 minutes	Appendix C	Pass
Uniform Loading	-	-	-	Uniform use of channels in the band	Refer to operational description	Pass
1) Tests were performed using the radiated test method.						
2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 5 dBi. The limit is based on an eirp of more than 23 dBm.						
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5250 – 5350 MHz and 5500-5700 MHz band.						
4) Motorola declared that the 99% bandwidths were less than 20 MHz and 40 MHz for the two modes.						

MEASUREMENT UNCERTAINTIES

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level, with a coverage factor (k=2) and were calculated in accordance with UKAS document LAB 34.

Measurement	Measurement Unit	Expanded Uncertainty
Timing (Channel move time, aggregate transmission time)	ms	Timing resolution +/- 0.24%
Timing (non occupancy period)	seconds	5 seconds
DFS Threshold (radiated)	dBm	1.6
DFS Threshold (conducted)	dBm	1.2

EQUIPMENT UNDER TEST (EUT) DETAILS**GENERAL**

The Motorola - Enterprise Mobility Products model AP-7161-66S40 is a WLAN Access Point with the capability to have one of its radios configured as a wireless intrusion sensor designed to associate with access points (i.e a client). If that access point is determined by the WIP server to be unauthorized for operation on the network; the sensor will send shutdown commands to that access point once another client has associated. The original report issued February 29, 2012 covered only the intrusion sensor function.

The samples were received on December 13, 2011 and April 13, 2012 and tested on December 13, 2011 and April 13, 2012. The following samples were tested:

Manufacturer	Model	Description	Serial Number	FCC ID
Motorola	AP-7161-66S40	WIP Sensor	683BME0005	QJEAP716102
Motorola	AP-PSBIA-1P3- AFR	POE Injector	D08316441000 1E8A01	-
Motorola	AP-7161-66S40	Outdoor Access Point	683BMY0047	QJEAP716102
Motorola Inc.	AP-PSBIAS-1P3- AFR	High Power Gigabit PoE Injector	D08316441000 AA7A01	-

The manufacturer declared values for the EUT operational characteristics that affect DFS are as follows:

Operating Modes (5250 – 5350 MHz, 5470 – 5725 MHz)

- Master Device 5250-5350 MHz
- Master Device 5470-5725 MHz (excluding 5600-5650 MHz)
- Client Device (no In Service Monitoring, no Ad-Hoc mode)

Antenna Gains / EIRP (5250 – 5350 MHz, 5470 – 5725 MHz)

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	5	5
Highest Antenna Gain (dBi)	10	10
EIRP Output Power (dBm)	25.13	25.13

- Power can exceed 200mW eirp

Channel Protocol

- IP Based

ENCLOSURE

The EUT enclosure measures approximately 26 by 19 by 11 centimeters. It is primarily constructed of aluminum.

MODIFICATIONS

The EUT did not require modifications during testing in order to comply with the requirements of the standard(s) referenced in this test report.

SUPPORT EQUIPMENT

The following equipment was used as support equipment for testing:

December 13, 2011 – client device

Local Support Equipment				
Manufacturer	Model	Description	Serial Number	FCC ID
Air Defense Inc.	3650 Rev.1	WIP Server	36510901094	Class A
Net Gear	FS108v2	Hub	FS2314CCB05940	DoC
Phihong	POE60U-560(G)-VC-R	POE Injector (AP)	-	-
<i>Motorola</i>	<i>AP-7131N firmware 5.2.0.0-126461X</i>	<i>Access Point</i>	<i>9151520900220</i>	<i>UZ7AP7131N</i>
Remote Support Equipment				
Manufacturer	Model	Description	Serial Number	FCC ID
IBM	2371	Laptop Computer	237410RW	DoC
Dell	Inspiron 8600	Laptop Computer w/ Linksys WPC600N (client device)	07898349890344	DoC

The italicized device was the master device.

April 13, 2012 – master device

Local Support Equipment				
Manufacturer	Model	Description	Serial Number	FCC ID
Netgear	GS108v2	8port gigabit switch	1DR1773V01EE3	Class A
HP	KH993UC#ABA	Server Laptop	CNU8100THY	DoC
Remote Support Equipment				
Manufacturer	Model	Description	Serial Number	FCC ID
Airmagnet	C1060	802.11a/b/g/n Wireless PC Card	D01E906W008CC01 C1060-NA-04280271	RD7- C1060
<i>HP</i>	<i>KJ039UC#ABA</i>	<i>Client Laptop</i>	<i>CDN84219SN</i>	<i>DoC</i>
HP	Elitebook 8460B	monitoring laptop	CNU2032CKJ	DoC

The italicized device was the client device.

EUT INTERFACE PORTS

The I/O cabling configuration during testing was as follows:

December 13, 2011

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length (m)
Ethernet Port (EUT)	POE Injector (EUT)	CAT 5	Unshielded	1.0
POE Injector (EUT)	Hub	CAT 5	Unshielded	2.0
Ethernet Port (AP)	POE Injector (AP)	CAT 5	Unshielded	1.0
POE Injector (AP)	Hub	CAT 5	Unshielded	2.0
Ethernet Port (WIP Server)	Hub	CAT 5	Unshielded	2.0
Ethernet Port (IBM laptop)	Hub	CAT 5	Unshielded	10.0

April 13, 2012

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length (m)
Ethernet (PoE Injector)	Server Laptop	CAT5	Unshielded	5.0
Console	Monitoring Laptop	CAT5 to 9pin dsub	unshielded to shielded	5.0
AC Power	AC Mains	3 wire	Unshielded	2.0
Ethernet (PoE Injector)	EUT	CAT5	Unshielded	2.0

EUT OPERATION

The EUT Client was operating with the following software. The software is secured by encryption to prevent the user from disabling the DFS function.

Tested December 13, 2011 - Client Device: 5.2.2.0-058Y

As the EUT (in sensor mode) is not designed to function as a WLAN and stream data over the network, the master device was configured to stream the "FCC" test file to the support client device laptop. The EUT was associated with the master device on the operating channel. Prior to applying radar to the master device, the EUT was instructed (by the WIPS server) to terminate the master device. This is the only operating condition where the EUT would transmit. Radar was applied to the master device on the channel being monitored by the sensor. The master device detected the radar signals and sent the requisite command packets for all clients to vacate the channel. The master device jumped to a new channel and the previous channel was monitored to ensure no further transmissions from the EUT were present on that channel.

The EUT Access Point was operating with the following software. The software is secured by encryption to prevent the user from disabling the DFS function.

Tested April 13, 2012 - Master Device: 5.4.0.0-147657Y

The manufacturer provided special software that over-rode the non-occupancy mechanism (allowing return to the same channel) for the purposes of determining the probability of detection. This test feature was disabled and the normal operating software enabled for verifying the 30-minute non-occupancy period and channel move time.

The start of the Channel Availability Check was the instant the command to change channel was sent.

During the in-service monitoring detection probability and channel moving tests the system was configured with a streaming video file from the master device (sourced by the PC connected to the master device via an Ethernet interface) to the client device.

The streamed file was the "FCC" test file and the client device was using Windows Media Player Classic as required by FCC Part 15 Subpart E

RADAR WAVEFORMS

Table 3 FCC Short Pulse Radar Test Waveforms					
Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses / burst	Minimum Detection Percentage	Minimum Number of Trials
1	1	1428	18	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Table 4 FCC Long Pulse Radar Test Waveforms							
Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Pulses / burst	Number of Bursts	Minimum Detection Percentage	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Table 5 FCC Frequency Hopping Radar Test Waveforms							
Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses / hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Detection Percentage	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

DFS TEST METHODS**RADIATED TEST METHOD**

The combination of master and slave devices is located in an anechoic chamber. The simulated radar waveform is transmitted from a directional horn antenna (typically an EMCO 3115) toward the unit performing the radar detection (radar detection device, RDD). Every effort is made to ensure that the main beam of the EUT's antenna is aligned with the radar-generating antenna.

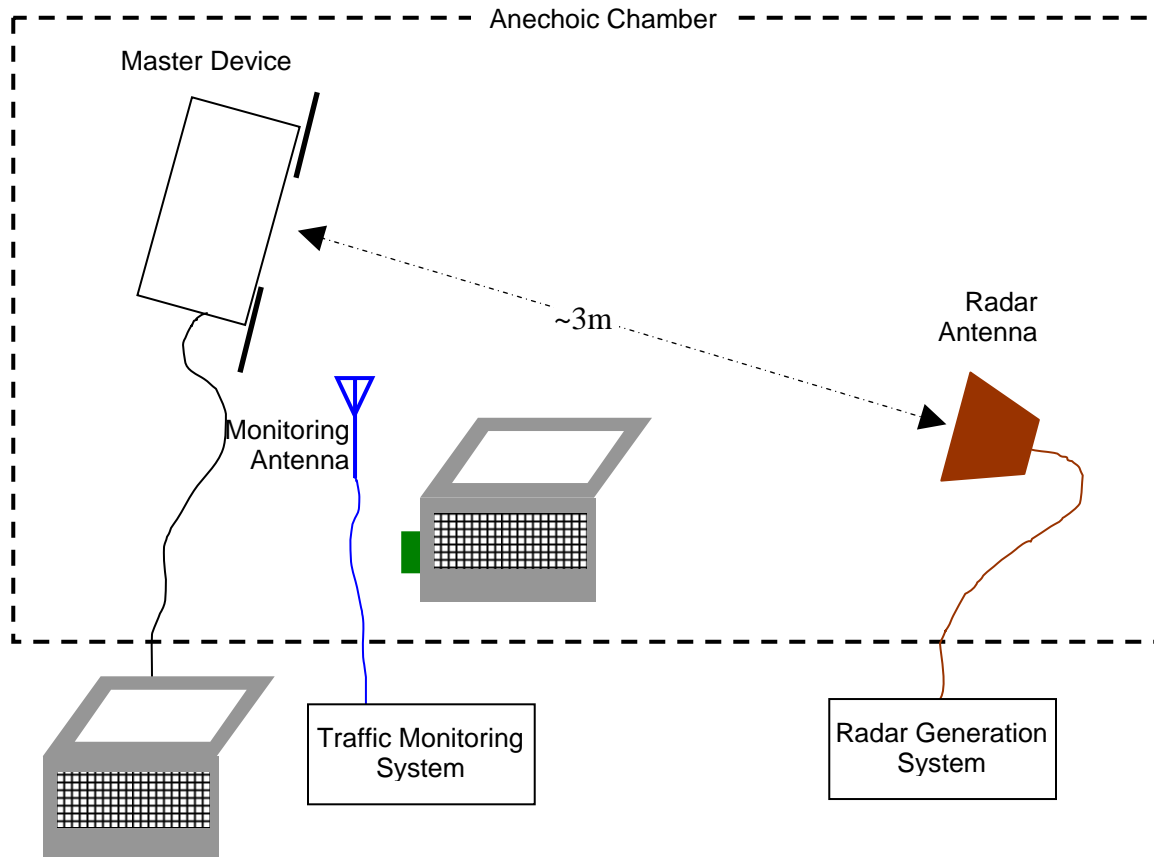


Figure 1 Test Configuration for radiated Measurement Method

The signal level of the simulated waveform is set to a reference level equal to the threshold level (plus 1dB if testing against FCC requirements). Lower levels may also be applied on request of the manufacturer. The level reported is the level at the RDD antenna and so it is not corrected for the RDD's antenna gain. The RDD is configured with the lowest gain antenna assembly intended for use with the device.

The signal level is verified by measuring the CW signal level from the radar generation system using a reference antenna of gain G_{REF} (dBi). The radar signal level is calculated from the measured level, R (dBm), and any cable loss, L (dB), between the reference antenna and the measuring instrument:

$$\text{Applied level (dBm)} = R - G_{REF} + L$$

If both master and client devices have radar detection capability then the device not under test is positioned with absorbing material between its antenna and the radar generating antenna, and the radar level at the non RDD is verified to be at least 20dB below the threshold level to ensure that any responses are due to the RDD detecting radar.

The antenna connected to the channel monitoring subsystem is positioned to allow both master and client transmissions to be observed, with the level of the EUT's transmissions between 6 and 10dB higher than those from the other device.

DFS MEASUREMENT INSTRUMENTATION

RADAR GENERATION SYSTEM

An Agilent PSG is used as the radar-generating source. The integral arbitrary waveform generators are programmed using Agilent's "Pulse Building" software and Elliott custom software to produce the required waveforms, with the capability to produce both unmodulated and modulated (FM Chirp) pulses. Where there are multiple values for a specific radar parameter then the software selects a value at random and, for FCC tests, the software verifies that the resulting waveform is truly unique.

With the exception of the hopping waveforms required by the FCC's rules (see below), the radar generator is set to a single frequency within the radar detection bandwidth of the EUT. The frequency is varied from trial to trial by stepping in 5MHz steps.

Frequency hopping radar waveforms are simulated using a time domain model. A randomly hopping sequence algorithm (which uses each channel in the hopping radar's range once in a hopping sequence) generates a hop sequence. A segment of the first 100 elements of the hop sequence are then examined to determine if it contains one or more frequencies within the radar detection bandwidth of the EUT. If it does not then the first element of the segment is discarded and the next frequency in the sequence is added. The process repeats until a valid segment is produced. The radar system is then programmed to produce bursts at time slots coincident with the frequencies within the segment that fall in the detection bandwidth. The frequency of the generator is stepped in 1 MHz increments across the EUT's detection range.

The radar signal level is verified during testing using a CW signal with the AGC function switched on. Correction factors to account for the fact that pulses are generated with the AGC functions switched off are measured annually and an offset is used to account for this in the software.

The generator output is connected to the coupling port of the conducted set-up or to the radar-generating antenna.

CHANNEL MONITORING SYSTEM

Channel monitoring is achieved using a spectrum analyzer and digital storage oscilloscope. The analyzer is configured in a zero-span mode, center frequency set to the radar waveform's frequency or the center frequency of the EUT's operating channel. The IF output of the analyzer is connected to one input of the oscilloscope.

A signal generator output is set to send either the modulating signal directly or a pulse gate with an output pulse co-incident with each radar pulse. This output is connected to a second input on the oscilloscope and the oscilloscope displays both the channel traffic (via the if input) and the radar pulses on its display.

For in service monitoring tests the analyzer sweep time is set to > 20 seconds and the oscilloscope is configured with a data record length of 10 seconds for the short duration and frequency hopping waveforms, 20 seconds for the long duration waveforms. Both instruments are set for a single acquisition sequence. The analyzer is triggered 500ms before the start of the waveform and the oscilloscope is triggered directly by the modulating pulse train. Timing measurements for aggregate channel transmission time and channel move time are made from the oscilloscope data, with the end of the waveform clearly identified by the pulse train on one trace. The analyzer trace data is used to confirm that the last transmission occurred within the 10-second record of the oscilloscope. If necessary the record length of the oscilloscope is expanded to capture the last transmission on the channel prior to the channel move.

Channel availability check time timing plots are made using the analyzer. The analyzer is triggered at start of the EUT's channel availability check and used to verify that the EUT does not transmit when radar is applied during the check time.

The analyzer detector and oscilloscope sampling mode is set to peak detect for all plots.

DFS MEASUREMENT METHODS

DFS – CHANNEL CLOSING TRANSMISSION TIME AND CHANNEL MOVE TIME

Channel clearing and closing times are measured by applying a burst of radar with the device configured to change channel and by observing the channel for transmissions. The time between the end of the applied radar waveform and the final transmission on the channel is the channel move time.

The aggregate transmission closing time is measured in one of two ways:

FCC/KCC Notice No. 2010-48 – the total time of all individual transmissions from the EUT that are observed starting 200ms at the end of the last radar pulse in the waveform. This value is required to be less than 60ms.

ETSI¹ – the total time of all individual transmissions from the EUT that are observed from the end of the last radar pulse in the waveform. This value is required to be less than 260ms.

DFS – CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING

The channel that was in use prior to radar detection by the master is additionally monitored for 30 minutes to ensure no transmissions on the vacated channel over the required non-occupancy period. This is achieved by tuning the spectrum analyzer to the vacated channel in zero-span mode and connecting the IF output to an oscilloscope. The oscilloscope is triggered by the radar pulse and set to provide a single sweep (in peak detect mode) that lasts for at least 30 minutes after the end of the channel move time.

For devices with a client-mode that are being evaluated against FCC rules the manufacturer must supply an attestation letter stating that the client device does not employ any active scanning techniques (i.e. does not transmit in the DFS bands without authorization from a Master device).

¹ This measurement method is used for MIC Table No. 45.

DFS CHANNEL AVAILABILITY CHECK TIME

It is preferred that the EUT report when it starts the radar channel availability check. If the EUT does not report the start of the check time, then the time to start transmitting on a channel after switching the device on is measured to approximate the time from power-on to the end of the channel availability check. The start of the channel availability check is assumed to be 70 seconds prior to the first transmission on the channel.

To evaluate the channel availability check, a single burst of one radar type is applied within the first 2 seconds of the start of the channel availability check and it is verified that the device does not use the channel by continuing to monitor the channel for a period of at least 60 seconds. The test is repeated by applying a burst of radar in the last 2 seconds (i.e. between 68 and 70 seconds after the start of CAC when evaluating a 70-second CAC) of the channel availability check.

To evaluate the channel availability check, a single burst of each radar type is applied at random periods during the 70-second channel availability check and it is verified that the device does not use the channel by continuing to monitor the channel for a period of at least 60 seconds. The test is performed a total of four times for each radar type.

Compliance with the EN 301 893 channel loading requirement, where appropriate (i.e. when channel selection is not determined under control of the network), is demonstrated by power cycling the product multiple times and recording the channel selected for use. The distribution of channels is compared against a probabilistic channel selection to verify that the distribution falls within the expected random distribution (i.e. $1/n$ probability for each channel, given n channels) for the number of trials performed.

TRANSMIT POWER CONTROL (TPC)

Compliance with the transmit power control requirements for devices is demonstrated through measurements showing multiple power levels and manufacturer statements explaining how the power control is implemented.

SAMPLE CALCULATIONS

DETECTION PROBABILITY / SUCCESS RATE

The detection probability, or success rate, for any one radar waveform equals the number of successful trials divided by the total number of trials for that waveform.

THRESHOLD LEVEL

The threshold level is the level of the simulated radar waveform at the EUT's antenna. If the test is performed in a conducted fashion then the level at the rf input equals the level at the antenna plus the gain of the antenna assembly, in dBi. The gain of the antenna assembly equals the gain of the antenna minus the loss of the cabling between the rf input and the antenna. The lowest gain value for all antenna assemblies intended for use with the device is used when making this calculation.

If the test is performed using the radiated method then the threshold level is the level at the antenna.

Appendix A Test Equipment Calibration Data

December 13, 2011

<u>Manufacturer</u>	<u>Description</u>	<u>Model #</u>	<u>Asset #</u>	<u>Cal Due</u>
Hewlett Packard	EMC Spectrum Analyzer, 9 kHz - 6.5 GHz	8595EM	780	28-Dec-11
EMCO	Antenna, Horn, 1-18 GHz	3115	1561	22-Jun-12
EMCO	Antenna, Horn, 1-18 GHz	3117	1662	04-May-12
Agilent	PSG Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	30-Mar-12
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052B	2118	07-Oct-12

April 13, 2012

<u>Manufacturer</u>	<u>Description</u>	<u>Model #</u>	<u>Asset #</u>	<u>Cal Due</u>
EMCO	Antenna, Horn, 1-18 GHz	3115	487	06-Jul-12
Hewlett Packard	EMC Spectrum Analyzer, 9 kHz - 6.5 GHz	8595EM	780	25-Jan-13
EMCO	Antenna, Horn, 1-18 GHz	3117	1662	04-May-12
Agilent	PSG Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	30-Apr-12
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052B	2118	07-Oct-12

Appendix B Test Data Tables for Radar Detection Probability

Table 6 - 20MHzDetection Bandwidth Measurements (Bandwidth: +7MHz /-9MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	0	3	0
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	9	1	90
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100
5500.00 MHz	FCC Short	5508.00 MHz	10	0	100

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
	Pulse Radar (Type 1)				
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	0	3	0

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	93.3 %	60.0 %	30	PASSED
Aggregate of above results	97.5 %	80.0 %	120	PASSED
Long Sequence	93.3 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	34	PASSED

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:08:35 AM)
2	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:11:42 AM)
3	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:12:11 AM)
4	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:12:37 AM)
5	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:12:58 AM)
6	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:13:19 AM)
7	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:13:35 AM)
8	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:13:50 AM)
9	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:14:53 AM)
10	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:15:15 AM)
11	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:17:25 AM)
12	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:17:49 AM)
13	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:19:01 AM)
14	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:21:16 AM)

Table 8 - FCC Short Pulse Radar (Type 1) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
15	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:21:41 AM)
16	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:21:51 AM)
17	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:21:58 AM)
18	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:22:06 AM)
19	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:22:50 AM)
20	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:23:00 AM)
21	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:23:08 AM)
22	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:23:22 AM)
23	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:23:35 AM)
24	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:23:44 AM)
25	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:23:55 AM)
26	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:24:03 AM)
27	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:24:11 AM)
28	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:24:35 AM)
29	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:24:47 AM)
30	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:24:55 AM)

Table 9 - FCC Short Pulse Radar (Type 2) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	25	1.1	208.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:25:58 AM)
2	28	1.4	175.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:26:06 AM)
3	26	3.3	194.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:26:14 AM)
4	27	2.4	191.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:26:24 AM)
5	25	3.2	192.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:26:35 AM)
6	26	3.5	173.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:26:44 AM)
7	29	3.9	200.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:27:17 AM)
8	27	1.9	197.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:27:38 AM)

Table 9 - FCC Short Pulse Radar (Type 2) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
9	24	4.2	183.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:27:48 AM)
10	24	4.4	196.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:27:57 AM)
11	28	3.0	198.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:28:05 AM)
12	26	4.4	160.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:28:17 AM)
13	24	4.6	197.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:28:26 AM)
14	28	2.1	190.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:28:35 AM)
15	24	4.2	164.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:28:45 AM)
16	24	4.9	170.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:28:52 AM)
17	24	3.7	204.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:29:03 AM)
18	27	2.7	203.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:29:15 AM)
19	27	2.5	200.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:29:23 AM)
20	27	2.4	152.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:29:31 AM)
21	24	3.7	192.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:29:43 AM)
22	28	3.7	170.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:29:53 AM)
23	26	1.9	166.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:30:02 AM)
24	28	4.6	166.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:30:12 AM)
25	28	1.6	210.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:30:29 AM)
26	26	3.2	187.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:30:38 AM)
27	26	4.7	183.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:30:49 AM)
28	26	2.5	205.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:30:57 AM)
29	25	4.8	203.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:31:07 AM)
30	29	3.5	201.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:31:20 AM)

Table 10 - FCC Short Pulse Radar (Type 3) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	16	9.5	411.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:32:50 AM)
2	16	8.7	472.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:33:00 AM)

Table 10 - FCC Short Pulse Radar (Type 3) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	18	8.3	385.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:33:08 AM)
4	17	6.9	273.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:33:16 AM)
5	16	9.3	449.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:33:25 AM)
6	17	9.8	303.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:33:34 AM)
7	16	6.9	497.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:33:44 AM)
8	16	8.1	424.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:33:55 AM)
9	17	7.7	438.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:34:11 AM)
10	18	6.5	491.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:34:21 AM)
11	17	8.8	258.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:34:34 AM)
12	17	6.1	406.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:34:42 AM)
13	17	9.2	468.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:34:49 AM)
14	17	9.3	425.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:34:58 AM)
15	17	9.5	216.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:35:05 AM)
16	18	6.2	326.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:35:12 AM)
17	17	6.6	471.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:35:20 AM)
18	16	7.2	354.0	No	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:35:31 AM)
19	17	8.4	252.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:35:44 AM)
20	17	9.3	363.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:36:01 AM)
21	16	7.9	342.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:36:16 AM)
22	16	6.2	458.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:36:25 AM)
23	17	9.3	371.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:36:41 AM)
24	18	7.1	458.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:37:02 AM)
25	17	7.0	445.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:37:13 AM)
26	17	8.4	387.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:37:24 AM)
27	18	7.8	456.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:37:38 AM)
28	17	8.0	455.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:37:53 AM)
29	17	6.8	284.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:38:03 AM)

Table 10 - FCC Short Pulse Radar (Type 3) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
30	16	8.9	408.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:38:13 AM)

Table 11 - FCC Short Pulse Radar (Type 4) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	13	12.1	491.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:40:02 AM)
2	14	13.1	404.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:40:27 AM)
3	14	15.5	223.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:40:38 AM)
4	14	11.8	225.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:41:03 AM)
5	14	12.1	396.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:41:12 AM)
6	15	14.1	229.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:41:24 AM)
7	14	18.5	477.0	No	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:41:34 AM)
8	13	19.1	364.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:41:49 AM)
9	13	19.2	453.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:42:09 AM)
10	13	16.2	293.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:42:20 AM)
11	16	19.4	436.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:42:30 AM)
12	15	17.7	441.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:42:38 AM)
13	16	18.8	251.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:42:50 AM)
14	14	12.9	278.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:42:59 AM)
15	15	18.7	382.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:43:17 AM)
16	14	17.8	420.0	No	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:43:26 AM)
17	12	16.0	269.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:43:37 AM)
18	13	11.9	486.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:43:57 AM)
19	14	14.4	289.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:44:12 AM)
20	15	14.5	248.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:44:24 AM)
21	16	17.1	309.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:44:42 AM)
22	15	18.2	331.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:44:55 AM)
23	15	15.5	407.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:45:21 AM)

Table 11 - FCC Short Pulse Radar (Type 4) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
24	16	13.7	374.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:45:29 AM)
25	15	14.2	310.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:45:41 AM)
26	12	18.0	363.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:45:48 AM)
27	15	16.8	326.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:46:33 AM)
28	13	14.2	374.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 09:46:41 AM)
29	16	19.3	296.0	Yes	5495.0MHz, -64.0dBm	Single burst (04/13/2012 09:46:49 AM)
30	13	16.5	428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 09:46:56 AM)

Table 12 - Long Sequence Waveform Summary 20MHz

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5500.0MHz, -64.0dBm
Trial #2	Detected	5495.0MHz, -64.0dBm
Trial #3	Detected	5505.0MHz, -64.0dBm
Trial #4	Detected	5500.0MHz, -64.0dBm
Trial #5	Detected	5495.0MHz, -64.0dBm
Trial #6	Detected	5505.0MHz, -64.0dBm
Trial #7	Detected	5500.0MHz, -64.0dBm
Trial #8	Detected	5495.0MHz, -64.0dBm
Trial #9	Detected	5505.0MHz, -64.0dBm
Trial #10	Detected	5500.0MHz, -64.0dBm
Trial #11	NOT Detected	5495.0MHz, -64.0dBm
Trial #12	Detected	5505.0MHz, -64.0dBm
Trial #13	Detected	5500.0MHz, -64.0dBm
Trial #14	Detected	5495.0MHz, -64.0dBm
Trial #15	Detected	5505.0MHz, -64.0dBm
Trial #16	Detected	5500.0MHz, -64.0dBm
Trial #17	Detected	5495.0MHz, -64.0dBm

Table 12 - Long Sequence Waveform Summary 20MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #18	Detected	5505.0MHz, -64.0dBm
Trial #19	Detected	5500.0MHz, -64.0dBm
Trial #20	Detected	5495.0MHz, -64.0dBm
Trial #21	Detected	5505.0MHz, -64.0dBm
Trial #22	Detected	5500.0MHz, -64.0dBm
Trial #23	Detected	5495.0MHz, -64.0dBm
Trial #24	Detected	5505.0MHz, -64.0dBm
Trial #25	Detected	5500.0MHz, -64.0dBm
Trial #26	NOT Detected	5495.0MHz, -64.0dBm
Trial #27	Detected	5505.0MHz, -64.0dBm
Trial #28	Detected	5500.0MHz, -64.0dBm
Trial #29	Detected	5495.0MHz, -64.0dBm
Trial #30	Detected	5505.0MHz, -64.0dBm

Table 13 - 20MHz Long Sequence Waveform Trial#1 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	77.3	19	1927.0	-	0.462451
2	1	61.8	20	-	-	0.650169
3	1	100.0	8	-	-	1.437069
4	2	65.1	16	1881.0	-	2.051641
5	3	84.3	16	1616.0	1019.0	2.502547
6	2	61.9	7	1585.0	-	3.577761
7	1	89.7	16	-	-	3.621910
8	2	76.7	8	1325.0	-	4.784151
9	2	64.6	17	1873.0	-	4.989751
10	3	97.6	7	1872.0	1772.0	5.903068
11	2	54.0	17	1401.0	-	6.460884
12	3	80.7	18	1691.0	1425.0	6.619107
13	1	59.1	9	-	-	7.746133
14	2	60.9	14	1393.0	-	7.913111
15	3	74.0	20	1460.0	1024.0	8.542456
16	1	65.2	20	-	-	9.284486
17	2	92.5	9	1571.0	-	9.822443
18	2	99.3	9	1162.0	-	10.585772
19	3	71.3	15	1848.0	1311.0	11.073182
20	2	65.2	18	1351.0	-	11.482072

Table 14 - 20MHz Long Sequence Waveform Trial#2 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	94.9	8	1704.0	1861.0	0.698672
2	3	80.8	15	1500.0	1447.0	1.020836
3	3	98.3	14	1594.0	1724.0	1.583664
4	2	55.1	16	1001.0	-	2.938504
5	2	62.6	7	1941.0	-	3.164235
6	1	71.8	9	-	-	4.241873
7	1	86.6	11	-	-	5.213282
8	3	65.6	10	1339.0	1179.0	5.571360
9	1	68.4	16	-	-	6.668815
10	3	85.5	12	1542.0	1469.0	7.438117
11	2	54.4	20	1074.0	-	7.876730
12	3	96.4	9	1140.0	1716.0	8.791318
13	2	66.4	9	1147.0	-	9.100660
14	1	61.5	18	-	-	9.797828
15	2	68.0	15	1297.0	-	10.933951
16	2	77.7	19	1674.0	-	11.908225

Table 15 - 20MHz Long Sequence Waveform Trial#3 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	64.0	6	-	-	0.177032
2	2	82.5	13	1692.0	-	1.774678
3	2	61.4	19	1853.0	-	2.439120
4	3	74.1	17	1987.0	1684.0	3.361634
5	2	96.4	15	1295.0	-	4.379162
6	2	82.5	14	1023.0	-	5.438590
7	2	69.0	13	1662.0	-	6.353433
8	2	88.5	19	1158.0	-	6.480213
9	3	93.8	7	1218.0	1036.0	8.078318
10	1	82.6	10	-	-	8.322429
11	2	78.5	16	1077.0	-	9.281807
12	3	98.1	6	1550.0	1125.0	10.756430
13	1	88.8	20	-	-	11.420079

Table 16 - 20MHz Long Sequence Waveform Trial#4 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	62.6	19	1473.0	1050.0	0.571677
2	2	99.3	10	1841.0	-	1.267091
3	2	85.2	17	1819.0	-	2.425296
4	1	89.1	17	-	-	3.346022
5	1	92.9	20	-	-	4.499287
6	2	74.0	20	1642.0	-	4.811300
7	2	93.5	15	1598.0	-	5.783007
8	3	65.4	11	1647.0	1176.0	7.018010
9	2	50.2	10	1824.0	-	7.482539
10	2	97.8	20	1320.0	-	8.429010
11	2	94.9	14	1253.0	-	9.727557
12	1	63.3	6	-	-	10.317000
13	2	92.8	15	1622.0	-	11.903820

Table 17 - 20MHz Long Sequence Waveform Trial#5 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	62.6	16	1451.0	1588.0	0.426186
2	2	78.7	14	1038.0	-	0.896392
3	2	81.2	7	1346.0	-	1.763272
4	2	93.3	9	1047.0	-	2.285768
5	3	84.8	6	1941.0	1058.0	3.051172
6	2	59.4	6	1549.0	-	3.733887
7	3	59.1	13	1237.0	1212.0	4.251945
8	1	86.4	16	-	-	4.849453
9	2	85.5	18	1292.0	-	5.283216
10	2	67.4	14	1628.0	-	5.971844
11	2	88.5	13	1405.0	-	6.901921
12	1	77.9	16	-	-	7.296637
13	2	76.2	7	1781.0	-	7.851931
14	2	81.7	13	1958.0	-	8.802205
15	2	57.9	14	1093.0	-	8.865386
16	2	58.5	9	1477.0	-	10.027344
17	2	52.0	13	1283.0	-	10.134855
18	3	60.1	6	1198.0	1630.0	10.994633
19	2	54.1	11	1185.0	-	11.800874

Table 18 - 20MHz Long Sequence Waveform Trial#6 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	71.6	6	-	-	0.275368
2	2	98.5	18	1335.0	-	1.174749
3	1	58.4	18	-	-	2.136198
4	2	87.2	12	1981.0	-	2.572884
5	2	64.3	9	1937.0	-	3.332333
6	1	54.2	15	-	-	4.442989
7	3	57.1	17	1230.0	1231.0	5.189883
8	1	98.1	7	-	-	5.459656
9	1	82.1	14	-	-	6.715850
10	2	97.9	18	1716.0	-	6.904954
11	2	81.5	8	1952.0	-	7.847471
12	3	62.6	11	1396.0	1143.0	8.814556
13	3	89.5	17	1704.0	1037.0	9.045419
14	1	53.8	10	-	-	9.823956
15	2	53.7	17	1558.0	-	10.854757
16	3	75.5	16	1005.0	1408.0	11.810390

Table 19 - 20MHz Long Sequence Waveform Trial#7 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	74.0	12	-	-	0.281510
2	2	56.0	9	1025.0	-	0.969902
3	2	99.1	19	1394.0	-	1.702848
4	2	55.2	15	1345.0	-	2.389565
5	2	54.9	17	1350.0	-	3.597823
6	2	57.7	13	1733.0	-	4.132418
7	2	79.0	11	1277.0	-	4.953466

Table 19 - 20MHz Long Sequence Waveform Trial#7 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	2	92.0	11	1366.0	-	5.536508
9	1	54.4	12	-	-	6.346895
10	1	94.2	5	-	-	6.807758
11	2	73.5	11	1118.0	-	7.922290
12	1	94.8	16	-	-	8.602522
13	3	77.8	19	1041.0	1238.0	9.116041
14	3	99.5	8	1913.0	1005.0	10.014127
15	3	69.9	7	1507.0	1067.0	11.005885
16	2	53.6	19	1669.0	-	11.367485

Table 20 - 20MHz Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	94.0	14	1378.0	-	0.132657
2	1	51.0	10	-	-	1.801347
3	1	75.3	13	-	-	3.366088
4	2	66.1	15	1214.0	-	4.066703
5	2	100.0	13	1225.0	-	5.284283
6	1	71.9	9	-	-	6.878876
7	3	77.4	7	1205.0	1594.0	8.220983
8	3	73.7	11	1067.0	1494.0	8.995000
9	3	53.0	13	1232.0	1083.0	10.308920
10	3	54.4	7	1636.0	1436.0	11.444430

Table 21 - 20MHz Long Sequence Waveform Trial#9 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	77.3	16	1584.0	-	0.536062
2	3	73.9	7	1031.0	1417.0	1.037551
3	1	83.2	10	-	-	1.672234
4	2	65.6	19	1152.0	-	2.475957
5	2	63.0	9	1201.0	-	3.061205
6	2	79.0	17	1029.0	-	3.533557
7	2	72.2	9	1388.0	-	4.921429
8	1	83.2	11	-	-	5.120554
9	2	56.5	5	1075.0	-	5.992277
10	3	80.3	17	1717.0	1485.0	6.452385
11	3	51.5	13	1244.0	1577.0	7.197738
12	3	55.8	13	1943.0	1410.0	7.805212
13	1	95.4	19	-	-	8.566317
14	2	58.0	10	1839.0	-	9.701766
15	3	65.5	7	1664.0	1528.0	10.374459
16	3	68.3	12	1622.0	1105.0	11.045239
17	3	90.3	12	1534.0	1310.0	11.728767

Table 22 - 20MHz Long Sequence Waveform Trial#10 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	66.0	15	1152.0	-	0.184637

Table 22 - 20MHz Long Sequence Waveform Trial#10 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
2	2	57.8	13	1071.0	-	1.306440
3	1	53.5	16	-	-	2.243855
4	3	72.5	8	1842.0	1118.0	3.874955
5	3	95.4	18	1123.0	1181.0	4.905833
6	1	74.6	15	-	-	6.056860
7	2	76.4	11	1330.0	-	7.216770
8	1	63.2	8	-	-	8.132928
9	3	52.9	17	1898.0	1611.0	8.882973
10	2	65.3	9	1700.0	-	10.323813
11	1	68.1	17	-	-	11.850588

Table 23 - 20MHz Long Sequence Waveform Trial#11 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	51.4	20	1618.0	1857.0	0.313717
2	3	61.1	15	1153.0	1730.0	1.125485
3	2	63.8	6	1996.0	-	1.363929
4	1	55.2	10	-	-	2.379909
5	1	96.0	13	-	-	3.032694
6	1	85.9	17	-	-	3.504554
7	1	93.7	19	-	-	4.450685
8	2	66.0	18	1950.0	-	4.889182
9	2	73.5	14	1435.0	-	5.617590
10	1	75.0	16	-	-	6.630513
11	2	88.0	17	1475.0	-	7.093455
12	2	66.3	17	1357.0	-	7.622041
13	1	99.9	15	-	-	8.482598
14	1	89.4	17	-	-	9.293065
15	2	87.3	6	1781.0	-	9.635974
16	2	83.4	13	1674.0	-	10.581424
17	2	97.5	16	1222.0	-	10.977682
18	2	67.5	11	1448.0	-	11.897316

Table 24 - 20MHz Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	56.2	12	-	-	0.019448
2	3	58.8	9	1920.0	1585.0	1.286700
3	3	81.1	6	1808.0	1601.0	2.208489
4	2	80.1	18	1953.0	-	2.738840
5	2	65.3	20	1548.0	-	3.510560
6	1	79.0	16	-	-	4.388175
7	2	80.7	12	1097.0	-	4.921593
8	3	73.0	6	1004.0	1069.0	5.866058
9	1	98.7	18	-	-	6.461268
10	1	93.1	13	-	-	7.356709
11	3	82.7	15	1717.0	1191.0	7.665460
12	3	82.3	7	1857.0	1554.0	8.504516
13	2	91.4	17	1876.0	-	9.646631
14	1	55.2	11	-	-	10.405464

Table 24 - 20MHz Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
15	3	89.5	10	1264.0	1933.0	10.791287
16	3	55.9	17	1097.0	1221.0	11.727059

Table 25 - 20MHz Long Sequence Waveform Trial#13 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	83.7	6	1158.0	-	1.151926
2	2	72.3	18	1124.0	-	2.051913
3	2	95.5	14	1260.0	-	3.398761
4	2	55.6	16	1220.0	-	4.300441
5	2	68.2	16	1282.0	-	6.251815
6	2	72.1	14	1880.0	-	6.667940
7	2	95.5	18	1996.0	-	8.932785
8	2	58.1	7	1906.0	-	9.811473
9	2	61.7	10	1959.0	-	11.765977

Table 26 - 20MHz Long Sequence Waveform Trial#14 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	52.4	5	1229.0	1631.0	0.306777
2	2	83.2	10	1146.0	-	1.120426
3	2	71.1	8	1182.0	-	1.767891
4	2	59.0	11	1644.0	-	2.696415
5	2	91.9	14	1863.0	-	3.296408
6	2	93.6	18	1948.0	-	3.751377
7	2	86.5	10	1427.0	-	4.662273
8	2	61.7	9	1440.0	-	5.330888
9	2	54.8	14	1118.0	-	5.647297
10	2	74.0	7	1943.0	-	6.393778
11	1	64.7	7	-	-	7.109776
12	2	70.6	14	1044.0	-	8.150045
13	3	79.4	17	1303.0	1950.0	8.977364
14	2	88.2	9	1947.0	-	9.511606
15	2	73.1	17	1218.0	-	10.540515
16	2	63.1	16	1401.0	-	11.172740
17	3	64.7	7	1562.0	1938.0	11.861279

Table 27 - 20MHz Long Sequence Waveform Trial#15 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	88.7	11	1834.0	-	0.477467
2	3	88.2	12	1685.0	1376.0	0.767364
3	3	71.1	7	1791.0	1083.0	1.335438
4	3	61.1	16	1938.0	1362.0	2.423362
5	2	56.7	13	1488.0	-	2.846164
6	2	98.5	10	1812.0	-	3.449815
7	3	54.4	18	1691.0	1118.0	3.902655
8	3	63.1	15	1309.0	1772.0	4.445593
9	3	86.8	16	1234.0	1876.0	5.481117

Table 27 - 20MHz Long Sequence Waveform Trial#15 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
10	2	55.1	12	1162.0	-	6.028668
11	1	65.1	6	-	-	6.795247
12	3	93.7	16	1236.0	1086.0	7.149683
13	1	94.1	15	-	-	7.930700
14	2	61.2	11	1597.0	-	8.781616
15	1	79.1	11	-	-	9.115332
16	2	77.9	13	1906.0	-	9.524028
17	3	54.1	19	1591.0	1657.0	10.133862
18	2	51.5	12	1853.0	-	11.301249
19	1	71.3	7	-	-	11.915036

Table 28 - 20MHz Long Sequence Waveform Trial#16 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	89.7	12	1244.0	1556.0	0.602656
2	2	99.9	12	1646.0	-	1.384249
3	2	53.4	12	1765.0	-	1.672910
4	3	74.3	12	1449.0	1375.0	2.336004
5	2	51.9	18	1084.0	-	3.475092
6	2	75.7	19	1230.0	-	3.673565
7	1	76.7	11	-	-	4.889921
8	2	95.1	16	1211.0	-	5.100754
9	3	62.4	9	1906.0	1910.0	5.845404
10	3	50.6	19	1294.0	1625.0	7.044960
11	2	95.1	7	1562.0	-	7.154079
12	2	92.4	14	1818.0	-	8.111198
13	2	78.6	8	1007.0	-	8.776571
14	3	65.5	15	1791.0	1482.0	9.413070
15	1	51.7	11	-	-	10.124613
16	1	96.8	8	-	-	10.695692
17	2	74.4	19	1789.0	-	11.967125

Table 29 - 20MHz Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	97.9	8	1724.0	1413.0	0.004539
2	3	58.4	5	1559.0	1101.0	1.044579
3	1	68.3	15	-	-	1.731009
4	2	92.1	14	1854.0	-	2.656086
5	1	99.3	7	-	-	2.972584
6	1	98.5	14	-	-	3.594101
7	2	84.8	11	1860.0	-	4.301261
8	3	69.9	14	1938.0	1710.0	5.402778
9	2	51.0	12	1745.0	-	5.797048
10	1	76.4	6	-	-	6.941721
11	3	69.6	9	1157.0	1033.0	7.169923
12	3	69.2	18	1049.0	1632.0	7.872196
13	1	71.0	16	-	-	8.662549
14	2	76.2	14	1286.0	-	9.471407
15	2	73.2	17	1922.0	-	10.165213

Table 29 - 20MHz Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
16	3	82.6	18	1199.0	1156.0	10.735821
17	1	53.5	17	-	-	11.340185

Table 30 - 20MHz Long Sequence Waveform Trial#18 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	85.5	17	1173.0	-	0.472311
2	2	93.9	15	1377.0	-	1.913935
3	1	57.2	7	-	-	3.539602
4	1	86.0	12	-	-	4.622752
5	1	78.5	9	-	-	6.556650
6	3	68.6	14	1738.0	1531.0	8.347107
7	2	58.8	10	1604.0	-	10.031400
8	2	63.9	10	1796.0	-	11.514224

Table 31 - 20MHz Long Sequence Waveform Trial#19 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	57.5	11	1107.0	1989.0	0.583847
2	2	99.7	16	1786.0	-	1.447785
3	1	82.8	9	-	-	1.878396
4	1	52.4	14	-	-	2.591096
5	1	68.5	17	-	-	3.211701
6	3	85.4	9	1553.0	1672.0	4.511412
7	2	85.8	8	1312.0	-	4.834521
8	2	56.5	14	1296.0	-	5.721868
9	2	72.3	9	1837.0	-	6.839866
10	2	57.2	19	1438.0	-	7.851307
11	3	54.1	16	1406.0	1766.0	8.603965
12	3	54.0	14	1526.0	1083.0	9.257281
13	1	70.8	6	-	-	10.094862
14	1	87.6	17	-	-	10.724415
15	3	87.3	14	1649.0	1457.0	11.594120

Table 32 - 20MHz Long Sequence Waveform Trial#20 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	59.7	12	-	-	0.223917
2	2	87.6	7	1301.0	-	2.108915
3	2	92.3	8	1225.0	-	2.461915
4	2	50.5	13	1685.0	-	3.986418
5	2	91.5	13	1579.0	-	5.030449
6	3	53.8	5	1618.0	1119.0	6.368854
7	1	58.6	10	-	-	7.494155
8	3	52.4	16	1910.0	1965.0	8.814215
9	3	69.9	10	1781.0	1739.0	10.480202
10	1	94.8	13	-	-	11.205757

Table 33 - 20MHz Long Sequence Waveform Trial#21 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	90.6	13	1767.0	-	0.751854
2	1	73.8	5	-	-	1.917112
3	2	62.2	17	1348.0	-	3.596465
4	1	73.6	11	-	-	4.361337
5	3	59.8	10	1431.0	1809.0	6.419311
6	2	68.9	14	1148.0	-	6.929016
7	3	84.1	10	1440.0	1597.0	8.880322
8	2	89.4	13	1820.0	-	9.409769
9	1	84.9	12	-	-	11.855810

Table 34 - 20MHz Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	59.1	5	1873.0	-	0.473764
2	2	96.4	11	1193.0	-	1.330215
3	2	56.7	13	1362.0	-	3.419098
4	3	71.9	9	1872.0	1393.0	4.641378
5	1	55.0	19	-	-	5.412044
6	2	91.1	19	1726.0	-	7.076631
7	2	95.3	8	1081.0	-	7.873358
8	3	83.7	12	1157.0	1865.0	9.114393
9	1	75.1	13	-	-	9.764223
10	1	75.7	14	-	-	10.915222

Table 35 - 20MHz Long Sequence Waveform Trial#23 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.1	13	1429.0	-	0.325609
2	1	91.3	12	-	-	0.898503
3	1	88.4	15	-	-	1.496714
4	1	69.3	19	-	-	2.599737
5	3	95.7	17	1973.0	1878.0	2.838876
6	2	52.8	15	1572.0	-	3.619684
7	1	80.6	17	-	-	4.578529
8	2	97.6	18	1739.0	-	5.206004
9	2	75.2	20	1069.0	-	6.059916
10	2	98.1	10	1403.0	-	6.886130
11	2	95.2	7	1104.0	-	7.142725
12	2	84.9	9	1960.0	-	7.884708
13	2	89.6	15	1287.0	-	8.813592
14	3	72.8	9	1532.0	1563.0	9.260321
15	2	79.4	17	1647.0	-	10.221904
16	1	84.9	17	-	-	10.982183
17	1	92.9	15	-	-	11.629216

Table 36 - 20MHz Long Sequence Waveform Trial#24 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	90.8	5	1807.0	-	0.280460

Table 36 - 20MHz Long Sequence Waveform Trial#24 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
2	1	85.8	9	-	-	1.324750
3	1	56.7	15	-	-	2.001109
4	3	70.7	6	1450.0	1434.0	2.633539
5	1	69.4	5	-	-	3.456141
6	2	59.4	17	1062.0	-	4.357207
7	2	73.4	6	1399.0	-	4.878496
8	3	88.4	15	1832.0	1190.0	5.513480
9	2	75.0	10	1117.0	-	6.674127
10	2	64.0	13	1646.0	-	7.037157
11	1	61.4	8	-	-	7.955707
12	2	94.9	6	1759.0	-	8.533944
13	3	54.7	19	1538.0	1180.0	9.022233
14	3	90.0	11	1704.0	1191.0	9.959741
15	2	76.4	13	1314.0	-	11.238900
16	3	62.6	9	1338.0	1856.0	11.677859

Table 37 - 20MHz Long Sequence Waveform Trial#25 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.8	10	1159.0	-	0.617044
2	1	94.8	7	-	-	1.226849
3	3	85.7	6	1545.0	1732.0	2.536101
4	1	99.7	19	-	-	3.463779
5	2	56.4	6	1145.0	-	4.146121
6	2	68.0	8	1372.0	-	5.331430
7	2	73.9	9	1884.0	-	6.584296
8	2	58.2	9	1750.0	-	7.474284
9	1	95.3	8	-	-	8.401582
10	2	65.3	14	1311.0	-	9.365710
11	3	66.2	5	1772.0	1208.0	10.584057
12	2	70.0	9	1681.0	-	11.468996

Table 38 - 20MHz Long Sequence Waveform Trial#26 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	66.7	6	-	-	0.761570
2	2	80.4	6	1868.0	-	0.932360
3	2	81.6	11	1936.0	-	2.654940
4	3	59.1	8	1593.0	1546.0	3.245316
5	1	79.1	14	-	-	3.909237
6	2	62.6	13	1993.0	-	5.402913
7	2	88.3	13	1842.0	-	6.446682
8	3	62.1	9	1633.0	1038.0	7.317893
9	3	62.5	6	1824.0	1851.0	7.832398
10	3	83.6	14	1822.0	1139.0	8.577127
11	2	54.0	8	1503.0	-	9.559589
12	2	53.1	5	1404.0	-	10.366328
13	1	66.9	18	-	-	11.564324

Table 39 - 20MHz Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	62.0	8	1108.0	-	0.868233
2	2	52.6	16	1519.0	-	1.976372
3	1	52.9	7	-	-	2.976681
4	1	64.4	10	-	-	3.290494
5	2	86.6	20	1482.0	-	4.912572
6	1	84.7	6	-	-	5.220699
7	1	89.8	8	-	-	6.879982
8	2	93.5	13	1599.0	-	7.129340
9	3	68.8	13	1590.0	1162.0	8.845238
10	2	60.7	11	1540.0	-	9.911688
11	1	95.9	17	-	-	10.931056
12	2	77.2	9	1814.0	-	11.439998

Table 40 - 20MHz Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	83.6	20	-	-	0.471446
2	2	84.9	14	1355.0	-	1.047385
3	1	54.3	18	-	-	2.209549
4	3	81.3	12	1033.0	1127.0	2.664454
5	3	93.1	12	1889.0	1285.0	3.642944
6	1	95.2	14	-	-	4.331196
7	3	62.2	7	1644.0	1105.0	5.604005
8	2	74.6	15	1372.0	-	6.486017
9	2	67.0	18	1544.0	-	6.991768
10	1	75.9	6	-	-	8.441520
11	2	89.5	17	1592.0	-	9.050187
12	2	60.1	17	1450.0	-	9.889562
13	1	97.6	10	-	-	11.095747
14	1	65.8	7	-	-	11.945065

Table 41 - 20MHz Long Sequence Waveform Trial#29 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	81.8	16	-	-	0.620593
2	2	54.9	16	1271.0	-	1.153898
3	1	91.7	11	-	-	2.248792
4	3	51.3	13	1549.0	1476.0	2.863381
5	2	52.9	6	1475.0	-	3.131545
6	2	99.9	5	1495.0	-	3.990378
7	1	95.8	14	-	-	4.913633
8	2	53.8	14	1781.0	-	5.365053
9	2	75.5	18	1890.0	-	6.054436
10	1	93.9	11	-	-	6.878362
11	1	74.0	11	-	-	7.868632
12	2	59.1	6	1897.0	-	8.869170
13	3	94.4	17	1969.0	1612.0	9.286742
14	2	77.5	13	1814.0	-	10.060767
15	3	53.1	10	1638.0	1374.0	10.565349
16	2	65.7	9	1486.0	-	11.932480

Table 42 - 20MHz Long Sequence Waveform Trial#30 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	84.8	19	1774.0	-	0.449629
2	2	93.6	13	1445.0	-	1.106097
3	2	74.5	18	1048.0	-	1.387264
4	2	98.4	11	1749.0	-	2.000163
5	3	67.4	20	1156.0	1732.0	2.954773
6	1	56.7	11	-	-	3.452393
7	2	68.6	8	1301.0	-	3.992293
8	1	60.4	18	-	-	4.574914
9	2	74.0	8	1046.0	-	5.286645
10	2	87.7	8	1562.0	-	6.194196
11	2	71.0	7	1295.0	-	6.357394
12	3	92.2	19	1123.0	1466.0	7.526301
13	1	85.2	19	-	-	7.900548
14	3	53.8	17	1764.0	1909.0	8.311689
15	2	65.7	11	1597.0	-	9.373722
16	2	70.1	7	1739.0	-	9.902587
17	3	66.1	17	1293.0	1057.0	10.630142
18	2	66.4	16	1268.0	-	11.354476
19	3	96.5	15	1498.0	1893.0	11.564410

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5357, 5579, 5268, 5654, 5696, 5285, 5446, 5468, 5470, 5360, 5346, 5429, 5643, 5264, 5548, 5370, 5296, 5374, 5466, 5442, 5715, 5566, 5525, 5347, 5327, 5260, 5679, 5507, 5349, 5512, 5262, 5494, 5432, 5523, 5363, 5592, 5537, 5606, 5589, 5452, 5487, 5291, 5364, 5632, 5271, 5379, 5387, 5334, 5623, 5460, 5495, 5660, 5472, 5675, 5381, 5333, 5700, 5665, 5414, 5551, 5570, 5542, 5393, 5491, 5692, 5565, 5593, 5253, 5587, 5367, 5578, 5659, 5475, 5655, 5388, 5521, 5628, 5554, 5528, 5481, 5532, 5380, 5517, 5625, 5479, 5594, 5568, 5266, 5582, 5644, 5309, 5318, 5450, 5688, 5365, 5726, 5652, 5293, 5303, 5444 (3 hits) (04/13/2012 10:39:05 AM)
2	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5628, 5424, 5615, 5437, 5513, 5462, 5579, 5638, 5279, 5410, 5374, 5569, 5255, 5503, 5614, 5625, 5561, 5294, 5397, 5586, 5520, 5652, 5564, 5637, 5657, 5512, 5507, 5675, 5288, 5254, 5264, 5697, 5529, 5590, 5718, 5531, 5530, 5461, 5292, 5622, 5599, 5631, 5576, 5533, 5440, 5710, 5314, 5508, 5261, 5487, 5716, 5568, 5610, 5660, 5455, 5295, 5573, 5562, 5524, 5393, 5641, 5587, 5556, 5713, 5567, 5464, 5353, 5566, 5460, 5343, 5452, 5290, 5252, 5403, 5431, 5490, 5546, 5664, 5344, 5477, 5518, 5370, 5504, 5359, 5509, 5291, 5705, 5435, 5432, 5563, 5386, 5363, 5404, 5398, 5320, 5456, 5670, 5458, 5549, 5493 (5 hits) (04/13/2012 10:39:16 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5498, 5444, 5644, 5577, 5396, 5690, 5554, 5380, 5641, 5665, 5430, 5488, 5495, 5335, 5697, 5605, 5528, 5297, 5467, 5314, 5276, 5618, 5551, 5341, 5346, 5663, 5458, 5608, 5412, 5682, 5516, 5443, 5594, 5714, 5579, 5621, 5674, 5280, 5367, 5410, 5407, 5636, 5671, 5666, 5555, 5651, 5411, 5649, 5657, 5505, 5506, 5553, 5326, 5699, 5477, 5680, 5388, 5263, 5264, 5616, 5604, 5290, 5725, 5427, 5480, 5571, 5536, 5401, 5656, 5529, 5557, 5589, 5532, 5419, 5677, 5328, 5437, 5715, 5277, 5463, 5378, 5365, 5664, 5261, 5539, 5301, 5575, 5606, 5478, 5352, 5546, 5470, 5422, 5420, 5262, 5363, 5645, 5542, 5722, 5709 (4 hits) (04/13/2012 10:39:23 AM)
4	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5395, 5690, 5491, 5599, 5480, 5411, 5695, 5489, 5426, 5251, 5653, 5255, 5532, 5334, 5321, 5548, 5437, 5668, 5386, 5520, 5270, 5605, 5337, 5574, 5299, 5378, 5546, 5279, 5428, 5673, 5719, 5582, 5262, 5286, 5538, 5604, 5311, 5642, 5404, 5446, 5435, 5709, 5524, 5275, 5413, 5552, 5349, 5473, 5567, 5408, 5314, 5497, 5452, 5313, 5358, 5391, 5392, 5705, 5484, 5713, 5451, 5501, 5701, 5465, 5346, 5722, 5441, 5347, 5366, 5647, 5468, 5612, 5360, 5575, 5288, 5294, 5601, 5514, 5587, 5475, 5629, 5651, 5470, 5306, 5422, 5269, 5621, 5464, 5600, 5430, 5580, 5592, 5581, 5622, 5521, 5402, 5260, 5662, 5576, 5367 (2 hits) (04/13/2012 10:39:30 AM)
5	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5572, 5272, 5474, 5641, 5340, 5726, 5385, 5387, 5499, 5677, 5703, 5674, 5620, 5311, 5610, 5598, 5522, 5258, 5521, 5443, 5616, 5419, 5307, 5592, 5407, 5478, 5565, 5622, 5718, 5507, 5271, 5329, 5694, 5486, 5480, 5457, 5489, 5621, 5394, 5280, 5700, 5503, 5527, 5325, 5440, 5439, 5482, 5542, 5362, 5370, 5506, 5632, 5428,

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5341, 5684, 5286, 5330, 5267, 5605, 5716, 5715, 5420, 5454, 5395, 5284, 5645, 5327, 5336, 5389, 5310, 5656, 5659, 5431, 5317, 5539, 5339, 5323, 5595, 5368, 5378, 5591, 5292, 5321, 5423, 5365, 5661, 5297, 5723, 5353, 5642, 5442, 5525, 5471, 5649, 5615, 5668, 5333, 5402, 5612, 5274 (4 hits) (04/13/2012 10:39:38 AM)
6	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5712, 5353, 5263, 5691, 5497, 5278, 5319, 5457, 5422, 5551, 5421, 5258, 5529, 5275, 5524, 5388, 5361, 5444, 5573, 5617, 5403, 5316, 5448, 5518, 5724, 5310, 5430, 5313, 5526, 5561, 5723, 5395, 5689, 5284, 5699, 5516, 5619, 5428, 5533, 5641, 5418, 5676, 5703, 5576, 5693, 5671, 5586, 5452, 5666, 5380, 5721, 5613, 5537, 5568, 5437, 5571, 5548, 5347, 5578, 5329, 5665, 5591, 5637, 5698, 5585, 5306, 5478, 5283, 5480, 5439, 5481, 5511, 5682, 5342, 5358, 5525, 5425, 5321, 5558, 5521, 5582, 5616, 5634, 5686, 5475, 5592, 5538, 5294, 5334, 5427, 5273, 5674, 5460, 5461, 5557, 5367, 5553, 5340, 5453, 5385 (1 hits) (04/13/2012 10:39:45 AM)
7	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5662, 5448, 5576, 5544, 5524, 5600, 5374, 5554, 5275, 5691, 5321, 5358, 5318, 5516, 5500, 5418, 5641, 5487, 5588, 5652, 5624, 5390, 5290, 5335, 5302, 5632, 5591, 5370, 5571, 5501, 5558, 5262, 5552, 5313, 5269, 5540, 5463, 5314, 5506, 5337, 5477, 5696, 5484, 5716, 5555, 5468, 5348, 5368, 5572, 5561, 5324, 5407, 5271, 5420, 5341, 5261, 5613, 5455, 5366, 5527, 5470, 5401, 5658, 5704, 5383, 5603, 5287, 5584, 5597, 5273, 5309, 5537, 5712, 5674, 5426, 5327, 5497, 5299, 5428, 5365, 5421, 5289, 5502, 5439, 5618, 5347, 5565, 5701, 5509, 5697, 5656, 5717, 5306, 5706, 5666, 5462, 5410, 5511, 5517, 5569 (5 hits) (04/13/2012 10:39:52 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5701, 5623, 5535, 5345, 5310, 5520, 5636, 5450, 5678, 5518, 5388, 5256, 5682, 5653, 5311, 5578, 5721, 5417, 5582, 5689, 5620, 5483, 5587, 5490, 5469, 5374, 5442, 5544, 5418, 5265, 5589, 5649, 5434, 5356, 5258, 5475, 5280, 5604, 5269, 5459, 5428, 5722, 5667, 5671, 5478, 5670, 5664, 5429, 5700, 5422, 5669, 5617, 5631, 5301, 5688, 5267, 5255, 5476, 5725, 5605, 5564, 5277, 5308, 5674, 5498, 5355, 5510, 5264, 5390, 5395, 5665, 5711, 5324, 5410, 5501, 5320, 5275, 5291, 5655, 5254, 5533, 5595, 5346, 5719, 5353, 5530, 5704, 5548, 5437, 5352, 5383, 5467, 5638, 5524, 5705, 5641, 5597, 5341, 5645, 5698 (2 hits) (04/13/2012 10:40:00 AM)
9	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5660, 5661, 5633, 5647, 5645, 5656, 5435, 5316, 5282, 5276, 5482, 5350, 5536, 5718, 5370, 5311, 5402, 5459, 5471, 5512, 5577, 5304, 5441, 5262, 5520, 5510, 5269, 5513, 5371, 5294, 5423, 5631, 5492, 5627, 5590, 5346, 5319, 5331, 5566, 5411, 5424, 5452, 5292, 5342, 5431, 5465, 5325, 5477, 5501, 5713, 5591, 5606, 5445, 5455, 5357, 5692, 5425, 5602, 5396, 5447, 5601, 5724, 5701, 5358, 5685, 5650, 5651, 5667, 5527, 5366, 5308, 5634, 5254, 5379, 5287, 5427, 5385, 5580, 5255, 5293, 5705, 5417, 5573, 5555, 5506, 5314, 5252, 5374, 5473, 5687, 5266, 5545, 5530, 5676, 5355, 5680, 5299, 5556, 5628, 5442 (3 hits) (04/13/2012 10:40:06 AM)
10	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5378, 5512, 5306, 5381, 5716, 5511, 5426, 5493, 5522, 5379, 5404, 5609, 5342, 5402, 5373, 5708, 5571, 5253, 5584, 5557, 5315, 5549, 5369, 5390, 5707, 5506, 5425, 5673, 5626, 5690, 5680, 5694, 5434, 5696, 5293, 5654, 5612, 5575, 5639, 5662, 5348, 5287, 5543, 5501, 5527, 5671, 5710, 5705, 5299, 5270, 5602, 5324, 5330,

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5455, 5508, 5405, 5301, 5490, 5492, 5410, 5327, 5652, 5396, 5651, 5674, 5687, 5681, 5418, 5611, 5495, 5451, 5391, 5326, 5539, 5573, 5521, 5589, 5667, 5364, 5363, 5562, 5697, 5695, 5395, 5335, 5688, 5630, 5715, 5334, 5377, 5514, 5255, 5295, 5535, 5466, 5531, 5291, 5286, 5448, 5520 (6 hits) (04/13/2012 10:40:12 AM)
11	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5586, 5585, 5397, 5258, 5558, 5292, 5553, 5532, 5599, 5294, 5414, 5486, 5357, 5624, 5570, 5515, 5447, 5627, 5312, 5671, 5413, 5279, 5567, 5344, 5470, 5375, 5544, 5332, 5629, 5684, 5642, 5526, 5440, 5386, 5452, 5295, 5314, 5509, 5534, 5385, 5333, 5359, 5704, 5467, 5256, 5571, 5473, 5533, 5310, 5281, 5405, 5582, 5550, 5451, 5475, 5302, 5487, 5349, 5367, 5666, 5488, 5500, 5423, 5278, 5293, 5632, 5289, 5479, 5339, 5524, 5508, 5396, 5664, 5462, 5436, 5711, 5676, 5633, 5323, 5703, 5449, 5398, 5560, 5617, 5472, 5573, 5698, 5304, 5316, 5303, 5506, 5458, 5430, 5493, 5647, 5280, 5650, 5668, 5300, 5669 (4 hits) (04/13/2012 10:40:18 AM)
12	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5286, 5373, 5673, 5535, 5316, 5639, 5299, 5532, 5340, 5576, 5509, 5355, 5633, 5723, 5298, 5720, 5317, 5690, 5627, 5476, 5634, 5569, 5534, 5372, 5709, 5450, 5640, 5304, 5635, 5505, 5624, 5555, 5361, 5396, 5406, 5458, 5401, 5549, 5362, 5275, 5522, 5264, 5619, 5289, 5495, 5443, 5648, 5346, 5379, 5301, 5577, 5498, 5708, 5457, 5541, 5638, 5322, 5698, 5469, 5306, 5599, 5350, 5444, 5365, 5536, 5687, 5426, 5702, 5483, 5414, 5650, 5381, 5273, 5462, 5463, 5402, 5595, 5330, 5494, 5474, 5512, 5593, 5608, 5363, 5601, 5631, 5368, 5714, 5303, 5515, 5398, 5504, 5574, 5436, 5294, 5722, 5369, 5625, 5677, 5254 (5 hits) (04/13/2012 10:40:24 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5678, 5637, 5662, 5413, 5487, 5554, 5526, 5718, 5366, 5339, 5601, 5458, 5686, 5661, 5420, 5375, 5358, 5481, 5698, 5677, 5298, 5444, 5266, 5682, 5471, 5252, 5527, 5608, 5449, 5500, 5399, 5291, 5437, 5546, 5556, 5264, 5535, 5696, 5514, 5402, 5597, 5622, 5405, 5431, 5646, 5710, 5636, 5665, 5269, 5691, 5255, 5594, 5342, 5589, 5619, 5565, 5621, 5313, 5315, 5454, 5359, 5491, 5361, 5705, 5387, 5393, 5289, 5725, 5697, 5626, 5611, 5376, 5317, 5575, 5627, 5340, 5695, 5365, 5473, 5416, 5432, 5604, 5268, 5466, 5548, 5716, 5390, 5406, 5590, 5550, 5433, 5441, 5614, 5513, 5311, 5389, 5351, 5414, 5699, 5576 (1 hits) (04/13/2012 10:40:31 AM)
14	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5363, 5665, 5322, 5310, 5398, 5260, 5428, 5680, 5544, 5688, 5441, 5720, 5606, 5502, 5297, 5466, 5564, 5382, 5325, 5572, 5314, 5566, 5666, 5445, 5395, 5626, 5425, 5292, 5411, 5320, 5528, 5373, 5305, 5704, 5346, 5412, 5596, 5535, 5283, 5484, 5655, 5701, 5418, 5312, 5286, 5385, 5336, 5545, 5591, 5485, 5497, 5402, 5264, 5597, 5585, 5621, 5281, 5439, 5473, 5361, 5679, 5571, 5415, 5438, 5529, 5313, 5288, 5469, 5251, 5311, 5295, 5442, 5724, 5710, 5278, 5527, 5712, 5501, 5343, 5578, 5367, 5600, 5640, 5543, 5531, 5678, 5461, 5662, 5374, 5684, 5594, 5587, 5641, 5522, 5642, 5713, 5614, 5426, 5427, 5687 (3 hits) (04/13/2012 10:40:39 AM)
15	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5489, 5298, 5449, 5380, 5447, 5515, 5394, 5434, 5409, 5378, 5517, 5425, 5430, 5308, 5398, 5492, 5503, 5466, 5681, 5660, 5549, 5340, 5554, 5591, 5262, 5252, 5303, 5256, 5348, 5618, 5321, 5610, 5646, 5417, 5526, 5655, 5687, 5318, 5675, 5300, 5442, 5635, 5538, 5613, 5679, 5603, 5716, 5576, 5506, 5354, 5422, 5465, 5651,

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5342, 5448, 5255, 5580, 5661, 5677, 5384, 5529, 5617, 5278, 5505, 5654, 5478, 5329, 5437, 5289, 5593, 5614, 5338, 5528, 5414, 5551, 5313, 5561, 5269, 5296, 5691, 5586, 5346, 5701, 5570, 5432, 5604, 5474, 5685, 5519, 5704, 5634, 5369, 5508, 5683, 5331, 5486, 5626, 5564, 5287, 5389 (5 hits) (04/13/2012 10:40:48 AM)
16	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5551, 5556, 5351, 5254, 5422, 5719, 5324, 5661, 5552, 5567, 5629, 5456, 5514, 5250, 5420, 5463, 5647, 5466, 5441, 5722, 5555, 5384, 5623, 5486, 5718, 5598, 5525, 5615, 5535, 5677, 5472, 5711, 5322, 5506, 5656, 5689, 5309, 5717, 5605, 5595, 5483, 5559, 5650, 5724, 5257, 5301, 5493, 5362, 5669, 5539, 5392, 5542, 5489, 5272, 5726, 5462, 5404, 5354, 5285, 5676, 5720, 5417, 5590, 5335, 5532, 5266, 5293, 5537, 5699, 5373, 5366, 5594, 5540, 5264, 5516, 5575, 5626, 5408, 5470, 5252, 5524, 5319, 5290, 5334, 5300, 5350, 5400, 5508, 5313, 5662, 5691, 5348, 5251, 5622, 5597, 5278, 5609, 5569, 5685, 5268 (3 hits) (04/13/2012 10:41:00 AM)
17	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5261, 5610, 5652, 5721, 5722, 5369, 5353, 5620, 5414, 5567, 5281, 5252, 5599, 5421, 5545, 5585, 5569, 5575, 5408, 5632, 5617, 5714, 5565, 5296, 5619, 5266, 5533, 5493, 5403, 5505, 5589, 5518, 5694, 5579, 5276, 5532, 5429, 5469, 5356, 5313, 5541, 5251, 5640, 5475, 5260, 5606, 5395, 5611, 5605, 5701, 5578, 5434, 5633, 5291, 5418, 5284, 5499, 5323, 5568, 5254, 5476, 5282, 5382, 5448, 5500, 5447, 5554, 5406, 5673, 5502, 5283, 5490, 5375, 5450, 5582, 5350, 5549, 5413, 5677, 5524, 5383, 5339, 5558, 5444, 5451, 5697, 5683, 5645, 5530, 5670, 5401, 5441, 5453, 5306, 5331, 5400, 5268, 5517, 5371, 5258 (5 hits) (04/13/2012 10:41:06 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
18	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5617, 5490, 5265, 5554, 5562, 5428, 5333, 5304, 5432, 5400, 5543, 5505, 5665, 5320, 5306, 5534, 5529, 5483, 5454, 5414, 5329, 5281, 5501, 5406, 5652, 5332, 5557, 5455, 5619, 5679, 5268, 5528, 5716, 5392, 5553, 5266, 5586, 5386, 5546, 5725, 5682, 5710, 5389, 5410, 5439, 5724, 5602, 5556, 5564, 5361, 5518, 5330, 5492, 5459, 5515, 5594, 5254, 5318, 5302, 5676, 5567, 5354, 5661, 5611, 5711, 5672, 5307, 5540, 5530, 5506, 5654, 5448, 5547, 5372, 5525, 5456, 5282, 5419, 5657, 5596, 5489, 5491, 5348, 5339, 5600, 5418, 5316, 5579, 5395, 5549, 5620, 5457, 5712, 5287, 5700, 5445, 5499, 5659, 5451, 5408 (5 hits) (04/13/2012 10:41:16 AM)
19	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5250, 5556, 5642, 5566, 5444, 5677, 5377, 5317, 5323, 5694, 5586, 5272, 5640, 5374, 5719, 5359, 5327, 5280, 5491, 5538, 5425, 5364, 5673, 5625, 5362, 5638, 5613, 5339, 5636, 5301, 5330, 5419, 5717, 5403, 5665, 5621, 5448, 5349, 5264, 5705, 5716, 5622, 5534, 5623, 5529, 5430, 5262, 5255, 5427, 5612, 5292, 5577, 5603, 5450, 5392, 5487, 5378, 5631, 5546, 5596, 5381, 5532, 5285, 5563, 5627, 5363, 5471, 5571, 5336, 5545, 5544, 5574, 5343, 5514, 5456, 5498, 5414, 5420, 5557, 5283, 5704, 5447, 5257, 5407, 5417, 5494, 5335, 5386, 5306, 5437, 5670, 5305, 5595, 5599, 5714, 5406, 5707, 5467, 5438, 5495 (3 hits) (04/13/2012 10:41:23 AM)
20	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5423, 5720, 5649, 5606, 5722, 5511, 5655, 5665, 5557, 5456, 5290, 5434, 5603, 5583, 5521, 5404, 5520, 5692, 5301, 5531, 5719, 5335, 5311, 5299, 5416, 5659, 5480, 5308, 5569, 5542, 5648, 5280, 5415, 5441, 5567, 5562, 5620, 5560, 5556, 5685, 5684, 5549, 5596, 5670, 5382, 5328, 5381, 5529, 5251, 5718, 5697, 5637, 5484,

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5343, 5586, 5475, 5267, 5400, 5319, 5429, 5458, 5302, 5713, 5283, 5699, 5447, 5395, 5675, 5428, 5706, 5512, 5677, 5553, 5510, 5322, 5662, 5608, 5624, 5674, 5666, 5564, 5582, 5363, 5672, 5580, 5705, 5497, 5450, 5522, 5614, 5704, 5492, 5375, 5493, 5341, 5272, 5600, 5681, 5295, 5607 (3 hits) (04/13/2012 10:41:31 AM)
21	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5378, 5510, 5509, 5440, 5410, 5709, 5266, 5521, 5390, 5656, 5660, 5434, 5290, 5292, 5692, 5560, 5668, 5251, 5719, 5648, 5263, 5457, 5686, 5308, 5493, 5512, 5484, 5269, 5380, 5419, 5524, 5477, 5502, 5538, 5366, 5287, 5420, 5417, 5546, 5476, 5430, 5392, 5529, 5341, 5428, 5553, 5467, 5535, 5714, 5640, 5689, 5299, 5515, 5667, 5601, 5358, 5409, 5342, 5558, 5480, 5567, 5600, 5402, 5303, 5373, 5609, 5516, 5539, 5311, 5454, 5527, 5583, 5489, 5368, 5385, 5518, 5612, 5371, 5482, 5517, 5723, 5722, 5569, 5471, 5526, 5300, 5654, 5623, 5272, 5405, 5257, 5724, 5444, 5271, 5627, 5650, 5590, 5383, 5616, 5464 (2 hits) (04/13/2012 10:41:40 AM)
22	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5349, 5716, 5632, 5321, 5712, 5624, 5344, 5311, 5450, 5616, 5345, 5438, 5608, 5482, 5313, 5421, 5601, 5399, 5597, 5462, 5355, 5529, 5546, 5515, 5343, 5268, 5365, 5288, 5555, 5595, 5459, 5499, 5710, 5465, 5404, 5431, 5416, 5411, 5704, 5537, 5463, 5486, 5312, 5353, 5359, 5484, 5464, 5639, 5649, 5429, 5299, 5481, 5605, 5273, 5346, 5414, 5388, 5620, 5457, 5610, 5270, 5592, 5653, 5443, 5261, 5410, 5301, 5467, 5389, 5293, 5634, 5498, 5474, 5539, 5701, 5377, 5501, 5530, 5625, 5468, 5292, 5573, 5493, 5563, 5662, 5659, 5587, 5658, 5364, 5275, 5409, 5442, 5453, 5560, 5609, 5374, 5599, 5724, 5251, 5470 (4 hits) (04/13/2012 10:41:49 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5588, 5537, 5493, 5389, 5595, 5725, 5337, 5280, 5481, 5269, 5377, 5614, 5681, 5686, 5321, 5257, 5380, 5386, 5561, 5503, 5619, 5618, 5652, 5548, 5316, 5395, 5323, 5488, 5454, 5350, 5369, 5394, 5332, 5436, 5305, 5579, 5277, 5520, 5567, 5649, 5276, 5594, 5347, 5512, 5578, 5320, 5549, 5673, 5373, 5613, 5330, 5514, 5343, 5707, 5478, 5428, 5367, 5644, 5450, 5650, 5685, 5632, 5392, 5396, 5552, 5692, 5571, 5675, 5530, 5524, 5538, 5490, 5660, 5719, 5417, 5506, 5500, 5322, 5444, 5288, 5286, 5674, 5281, 5483, 5298, 5341, 5695, 5491, 5657, 5535, 5342, 5687, 5366, 5564, 5694, 5403, 5521, 5447, 5435, 5476 (4 hits) (04/13/2012 10:41:56 AM)
24	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5341, 5702, 5566, 5594, 5554, 5271, 5438, 5313, 5558, 5675, 5331, 5407, 5720, 5277, 5483, 5562, 5344, 5414, 5276, 5546, 5634, 5449, 5678, 5507, 5667, 5579, 5337, 5631, 5522, 5640, 5518, 5661, 5311, 5663, 5301, 5268, 5406, 5557, 5348, 5512, 5626, 5322, 5278, 5521, 5555, 5699, 5289, 5691, 5590, 5382, 5388, 5479, 5430, 5497, 5573, 5540, 5381, 5520, 5468, 5638, 5340, 5698, 5571, 5655, 5519, 5367, 5688, 5646, 5355, 5405, 5537, 5463, 5485, 5396, 5523, 5356, 5253, 5307, 5700, 5584, 5422, 5469, 5517, 5426, 5415, 5294, 5358, 5256, 5456, 5476, 5310, 5718, 5570, 5285, 5484, 5580, 5284, 5509, 5607, 5693 (2 hits) (04/13/2012 10:42:04 AM)
25	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5307, 5636, 5510, 5529, 5411, 5463, 5301, 5337, 5513, 5260, 5672, 5550, 5282, 5315, 5602, 5323, 5573, 5326, 5366, 5617, 5574, 5343, 5514, 5472, 5254, 5424, 5464, 5531, 5594, 5280, 5320, 5606, 5675, 5319, 5640, 5316, 5676, 5321, 5540, 5656, 5351, 5600, 5506, 5708, 5428, 5537, 5284, 5426, 5358, 5445, 5605, 5392, 5544,

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5405, 5679, 5620, 5685, 5465, 5635, 5438, 5263, 5493, 5555, 5561, 5726, 5383, 5262, 5639, 5663, 5502, 5699, 5515, 5532, 5380, 5693, 5410, 5661, 5589, 5684, 5385, 5671, 5466, 5350, 5488, 5527, 5503, 5442, 5403, 5389, 5559, 5384, 5713, 5378, 5288, 5293, 5545, 5683, 5274, 5500, 5638 (5 hits) (04/13/2012 10:42:14 AM)
26	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5453, 5556, 5633, 5436, 5497, 5601, 5268, 5401, 5703, 5284, 5379, 5665, 5292, 5287, 5413, 5647, 5687, 5560, 5431, 5259, 5496, 5666, 5498, 5604, 5342, 5369, 5368, 5635, 5707, 5335, 5328, 5422, 5692, 5264, 5258, 5547, 5339, 5281, 5655, 5662, 5667, 5349, 5527, 5481, 5584, 5570, 5693, 5384, 5323, 5501, 5704, 5664, 5641, 5702, 5715, 5540, 5690, 5309, 5333, 5390, 5387, 5428, 5670, 5552, 5400, 5591, 5359, 5383, 5606, 5306, 5578, 5639, 5332, 5334, 5681, 5373, 5676, 5372, 5410, 5381, 5596, 5571, 5351, 5654, 5374, 5509, 5449, 5631, 5475, 5357, 5283, 5329, 5642, 5425, 5270, 5554, 5446, 5478, 5576, 5553 (4 hits) (04/13/2012 10:42:21 AM)
27	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5457, 5322, 5498, 5310, 5619, 5269, 5309, 5601, 5544, 5589, 5629, 5562, 5705, 5440, 5473, 5692, 5533, 5608, 5555, 5703, 5283, 5591, 5566, 5595, 5399, 5496, 5303, 5511, 5326, 5342, 5250, 5675, 5662, 5647, 5409, 5428, 5340, 5338, 5378, 5569, 5288, 5270, 5373, 5580, 5691, 5661, 5606, 5467, 5656, 5364, 5257, 5300, 5571, 5670, 5471, 5387, 5652, 5375, 5482, 5391, 5577, 5334, 5532, 5607, 5295, 5726, 5483, 5718, 5597, 5389, 5527, 5519, 5697, 5312, 5315, 5558, 5585, 5610, 5359, 5649, 5681, 5708, 5416, 5525, 5293, 5590, 5604, 5313, 5405, 5683, 5353, 5455, 5384, 5350, 5488, 5576, 5478, 5635, 5716, 5390 (2 hits) (04/13/2012 10:42:29 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5399, 5560, 5401, 5671, 5387, 5585, 5476, 5361, 5646, 5584, 5534, 5488, 5415, 5477, 5496, 5668, 5536, 5616, 5434, 5384, 5358, 5554, 5559, 5564, 5336, 5274, 5360, 5260, 5357, 5277, 5572, 5691, 5520, 5637, 5379, 5548, 5497, 5514, 5328, 5577, 5308, 5449, 5450, 5368, 5626, 5506, 5322, 5347, 5597, 5303, 5433, 5657, 5653, 5454, 5524, 5590, 5425, 5482, 5298, 5525, 5611, 5256, 5344, 5556, 5686, 5610, 5709, 5511, 5446, 5418, 5438, 5309, 5498, 5337, 5539, 5595, 5701, 5312, 5327, 5479, 5484, 5523, 5339, 5317, 5275, 5675, 5656, 5660, 5697, 5416, 5638, 5423, 5293, 5503, 5485, 5343, 5648, 5338, 5439, 5359 (5 hits) (04/13/2012 10:42:36 AM)
29	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5423, 5377, 5474, 5414, 5699, 5367, 5266, 5546, 5618, 5385, 5469, 5704, 5285, 5631, 5362, 5373, 5714, 5321, 5605, 5411, 5509, 5312, 5543, 5524, 5379, 5443, 5691, 5518, 5393, 5559, 5473, 5470, 5590, 5442, 5269, 5465, 5437, 5361, 5494, 5323, 5280, 5600, 5713, 5458, 5345, 5574, 5676, 5489, 5325, 5455, 5602, 5612, 5306, 5336, 5333, 5724, 5722, 5357, 5647, 5587, 5461, 5606, 5378, 5272, 5427, 5329, 5428, 5299, 5459, 5418, 5305, 5257, 5510, 5395, 5438, 5375, 5337, 5382, 5439, 5717, 5263, 5315, 5287, 5692, 5481, 5588, 5539, 5485, 5456, 5649, 5514, 5610, 5680, 5358, 5702, 5583, 5564, 5256, 5496, 5553 (2 hits) (04/13/2012 10:42:43 AM)
30	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5376, 5587, 5337, 5375, 5282, 5603, 5262, 5369, 5710, 5716, 5364, 5458, 5539, 5332, 5574, 5333, 5725, 5425, 5638, 5495, 5689, 5325, 5450, 5588, 5467, 5424, 5614, 5466, 5388, 5276, 5420, 5656, 5338, 5722, 5351, 5316, 5682, 5378, 5701, 5476, 5304, 5412, 5326, 5314, 5540, 5685, 5592, 5691, 5416, 5490, 5346, 5382, 5531,

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5291, 5428, 5285, 5585, 5605, 5498, 5519, 5564, 5580, 5550, 5294, 5305, 5595, 5499, 5503, 5438, 5551, 5546, 5433, 5659, 5489, 5616, 5471, 5383, 5320, 5426, 5444, 5432, 5599, 5348, 5402, 5583, 5664, 5677, 5473, 5462, 5455, 5459, 5491, 5561, 5634, 5439, 5266, 5465, 5283, 5582, 5626 (4 hits) (04/13/2012 10:42:50 AM)
31	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5256, 5327, 5709, 5703, 5427, 5494, 5594, 5634, 5300, 5636, 5255, 5565, 5478, 5312, 5533, 5574, 5507, 5486, 5668, 5286, 5567, 5254, 5357, 5607, 5476, 5349, 5698, 5638, 5599, 5586, 5446, 5292, 5603, 5543, 5612, 5377, 5483, 5471, 5645, 5308, 5539, 5354, 5620, 5441, 5276, 5343, 5293, 5508, 5544, 5527, 5693, 5432, 5689, 5541, 5658, 5369, 5455, 5595, 5657, 5580, 5510, 5436, 5366, 5263, 5503, 5267, 5472, 5677, 5639, 5264, 5675, 5696, 5451, 5681, 5444, 5713, 5431, 5630, 5438, 5641, 5579, 5534, 5679, 5346, 5585, 5653, 5484, 5473, 5430, 5284, 5334, 5690, 5673, 5655, 5288, 5489, 5281, 5344, 5532, 5289 (4 hits) (04/13/2012 10:42:57 AM)
32	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5311, 5252, 5474, 5349, 5557, 5416, 5674, 5719, 5601, 5366, 5344, 5453, 5420, 5656, 5542, 5471, 5490, 5625, 5353, 5310, 5653, 5626, 5369, 5393, 5655, 5377, 5696, 5293, 5272, 5486, 5513, 5648, 5472, 5651, 5663, 5407, 5319, 5283, 5591, 5532, 5256, 5296, 5649, 5582, 5658, 5389, 5320, 5317, 5422, 5343, 5504, 5569, 5523, 5468, 5585, 5631, 5421, 5376, 5440, 5715, 5337, 5345, 5659, 5301, 5571, 5634, 5613, 5250, 5300, 5537, 5313, 5262, 5460, 5287, 5706, 5521, 5712, 5382, 5396, 5606, 5328, 5288, 5501, 5633, 5666, 5446, 5485, 5387, 5644, 5426, 5352, 5617, 5281, 5329, 5588, 5409, 5459, 5624, 5697, 5578 (2 hits) (04/13/2012 10:43:04 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5413, 5263, 5404, 5533, 5714, 5464, 5642, 5663, 5446, 5423, 5462, 5567, 5580, 5628, 5647, 5562, 5314, 5319, 5618, 5656, 5421, 5599, 5382, 5259, 5429, 5340, 5412, 5584, 5722, 5304, 5367, 5719, 5559, 5254, 5571, 5359, 5264, 5394, 5707, 5436, 5458, 5658, 5449, 5354, 5576, 5373, 5555, 5515, 5578, 5362, 5398, 5499, 5253, 5724, 5715, 5358, 5682, 5418, 5561, 5267, 5569, 5387, 5357, 5286, 5378, 5352, 5603, 5579, 5477, 5311, 5596, 5556, 5494, 5700, 5293, 5525, 5395, 5573, 5723, 5478, 5524, 5539, 5541, 5332, 5674, 5425, 5273, 5668, 5634, 5469, 5317, 5347, 5614, 5497, 5563, 5325, 5529, 5250, 5484, 5611 (3 hits) (04/13/2012 10:43:11 AM)
34	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5444, 5264, 5375, 5463, 5325, 5595, 5550, 5610, 5526, 5485, 5284, 5609, 5496, 5276, 5270, 5297, 5258, 5278, 5340, 5439, 5296, 5689, 5717, 5537, 5587, 5365, 5257, 5398, 5436, 5672, 5503, 5712, 5559, 5650, 5624, 5480, 5628, 5327, 5725, 5612, 5294, 5723, 5392, 5353, 5331, 5549, 5521, 5346, 5400, 5416, 5566, 5499, 5659, 5577, 5688, 5592, 5477, 5578, 5572, 5640, 5275, 5307, 5724, 5467, 5484, 5323, 5259, 5601, 5328, 5407, 5693, 5718, 5710, 5593, 5306, 5321, 5311, 5721, 5684, 5421, 5674, 5538, 5450, 5649, 5599, 5455, 5366, 5547, 5396, 5638, 5252, 5250, 5438, 5269, 5272, 5698, 5281, 5344, 5291, 5607 (3 hits) (04/13/2012 10:43:22 AM)

Table 44 - 40MHzDetection Bandwidth Measurements (Bandwidth: +17MHz /-17MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	0	3	0
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar	5510.00 MHz	10	0	100

Table 44 - 40MHzDetection Bandwidth Measurements (Bandwidth: +17MHz /-17MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
	(Type 1)				
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5511.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5512.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5513.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5514.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5515.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5516.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5517.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5518.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5519.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5520.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5521.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5522.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5523.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5524.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5525.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5526.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5527.00 MHz	3	3	50

Table 45 - Summary of All Results - 40MHz				
Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	90.0 %	60.0 %	30	PASSED
Aggregate of above results	96.7 %	80.0 %	120	PASSED
Long Sequence	93.3 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	33	PASSED

Table 46 - FCC Short Pulse Radar (Type 1) Results 40MHz						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:47:42 AM)
2	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:47:53 AM)
3	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:48:00 AM)
4	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:48:07 AM)
5	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:48:22 AM)
6	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:48:38 AM)
7	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:48:47 AM)
8	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:48:56 AM)
9	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:49:10 AM)
10	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:50:01 AM)
11	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:50:12 AM)
12	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:50:20 AM)
13	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:50:27 AM)
14	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:50:38 AM)
15	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:50:48 AM)
16	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:50:55 AM)
17	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:51:06 AM)
18	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:51:30 AM)
19	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:51:42 AM)

Table 46 - FCC Short Pulse Radar (Type 1) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
20	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:51:49 AM)
21	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:51:57 AM)
22	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:52:12 AM)
23	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:52:22 AM)
24	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:52:29 AM)
25	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:52:36 AM)
26	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:52:47 AM)
27	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:53:02 AM)
28	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:53:10 AM)
29	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:53:18 AM)
30	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:53:27 AM)

Table 47 - FCC Short Pulse Radar (Type 2) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	29	4.1	176.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:54:02 AM)
2	29	1.2	176.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:54:10 AM)
3	24	1.9	166.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:54:18 AM)
4	25	2.8	158.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:54:29 AM)
5	26	1.6	226.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:54:38 AM)
6	27	2.9	197.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:54:53 AM)
7	26	3.1	164.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:55:04 AM)
8	28	3.3	229.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:55:17 AM)
9	25	4.4	157.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:55:31 AM)
10	23	3.4	154.0	No	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:55:46 AM)
11	24	3.7	162.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:56:02 AM)
12	25	2.3	215.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:56:15 AM)
13	29	1.7	191.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:56:22 AM)

Table 47 - FCC Short Pulse Radar (Type 2) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
14	24	3.3	193.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:56:29 AM)
15	28	1.2	180.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:56:38 AM)
16	27	1.6	177.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:56:49 AM)
17	28	1.2	201.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:56:57 AM)
18	27	2.2	155.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:57:08 AM)
19	29	2.7	168.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:57:16 AM)
20	29	4.2	181.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:57:25 AM)
21	29	3.8	204.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:57:33 AM)
22	24	2.9	154.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:57:40 AM)
23	24	2.8	222.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:57:52 AM)
24	25	4.2	185.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:58:03 AM)
25	27	2.2	180.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:58:15 AM)
26	26	2.4	227.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:58:23 AM)
27	28	1.2	198.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:58:30 AM)
28	27	2.0	152.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:58:40 AM)
29	28	3.0	196.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 10:58:47 AM)
30	28	1.1	164.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 10:58:56 AM)

Table 48 - FCC Short Pulse Radar (Type 3) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	8.2	355.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 10:59:33 AM)
2	18	9.2	204.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 10:59:43 AM)
3	18	8.3	262.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 10:59:54 AM)
4	18	9.8	418.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:00:02 AM)
5	18	9.6	499.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:00:14 AM)
6	18	8.4	202.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:01:43 AM)
7	18	6.7	204.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:03:46 AM)
8	17	7.0	211.0	Yes	5500.0MHz,	Single burst (04/13/2012 11:03:55 AM)

Table 48 - FCC Short Pulse Radar (Type 3) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	AM)
9	18	7.2	416.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:04:04 AM)
10	16	6.4	395.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:04:15 AM)
11	17	6.8	455.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:04:24 AM)
12	17	7.7	429.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:04:52 AM)
13	17	6.0	334.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 11:05:09 AM)
14	18	7.0	313.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:05:29 AM)
15	18	9.8	430.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:05:42 AM)
16	16	8.5	315.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:06:12 AM)
17	16	8.2	357.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:06:20 AM)
18	16	7.8	488.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 11:06:27 AM)
19	18	9.8	231.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:07:46 AM)
20	16	7.2	472.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:07:57 AM)
21	18	6.7	219.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:08:06 AM)
22	17	8.2	209.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:08:14 AM)
23	17	6.8	238.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 11:08:21 AM)
24	16	7.9	286.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:08:30 AM)
25	17	6.7	432.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:08:38 AM)
26	17	9.6	239.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:08:46 AM)
27	18	7.6	424.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:08:55 AM)
28	18	6.4	455.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 11:09:06 AM)
29	17	9.4	459.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:09:13 AM)
30	16	9.3	424.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:09:22 AM)

Table 49 - FCC Short Pulse Radar (Type 4) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	16	11.6	248.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:12:06 AM)
2	15	11.9	205.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:12:17 AM)

Table 49 - FCC Short Pulse Radar (Type 4) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	13	11.7	344.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 11:12:37 AM)
4	16	16.8	208.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:12:44 AM)
5	13	13.8	410.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:12:52 AM)
6	15	13.7	474.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:13:30 AM)
7	16	13.5	288.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:13:47 AM)
8	14	15.9	360.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 11:13:56 AM)
9	15	19.0	483.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:14:04 AM)
10	12	16.8	357.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:14:11 AM)
11	12	15.0	449.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:14:19 AM)
12	15	16.4	292.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:14:26 AM)
13	14	17.0	318.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 11:14:36 AM)
14	13	19.2	500.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:14:43 AM)
15	14	15.9	386.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:15:02 AM)
16	14	18.4	244.0	No	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:15:17 AM)
17	15	20.0	203.0	No	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:15:29 AM)
18	12	19.3	219.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 11:15:49 AM)
19	15	11.0	257.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:15:57 AM)
20	13	13.1	361.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:16:08 AM)
21	14	19.7	488.0	No	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:16:15 AM)
22	13	16.7	406.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:16:27 AM)
23	12	12.9	292.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 11:16:38 AM)
24	15	14.2	493.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:16:50 AM)
25	13	18.8	341.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:17:02 AM)
26	15	18.2	459.0	Yes	5510.0MHz, -64.0dBm	Single burst (04/13/2012 11:17:19 AM)
27	14	17.2	423.0	Yes	5505.0MHz, -64.0dBm	Single burst (04/13/2012 11:17:42 AM)
28	13	12.9	351.0	Yes	5500.0MHz, -64.0dBm	Single burst (04/13/2012 11:17:51 AM)
29	13	11.0	413.0	Yes	5520.0MHz, -64.0dBm	Single burst (04/13/2012 11:17:59 AM)

Table 49 - FCC Short Pulse Radar (Type 4) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
30	15	15.4	426.0	Yes	5515.0MHz, -64.0dBm	Single burst (04/13/2012 11:18:09 AM)

Table 50 - Long Sequence Waveform Summary 40MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5510.0MHz, -64.0dBm
Trial #2	Detected	5505.0MHz, -64.0dBm
Trial #3	Detected	5500.0MHz, -64.0dBm
Trial #4	Detected	5520.0MHz, -64.0dBm
Trial #5	Detected	5515.0MHz, -64.0dBm
Trial #6	Detected	5510.0MHz, -64.0dBm
Trial #7	Detected	5505.0MHz, -64.0dBm
Trial #8	Detected	5500.0MHz, -64.0dBm
Trial #9	Detected	5520.0MHz, -64.0dBm
Trial #10	NOT Detected	5515.0MHz, -64.0dBm
Trial #11	Detected	5510.0MHz, -64.0dBm
Trial #12	Detected	5505.0MHz, -64.0dBm
Trial #13	Detected	5500.0MHz, -64.0dBm
Trial #14	Detected	5520.0MHz, -64.0dBm
Trial #15	Detected	5515.0MHz, -64.0dBm
Trial #16	Detected	5510.0MHz, -64.0dBm
Trial #17	Detected	5505.0MHz, -64.0dBm
Trial #18	Detected	5500.0MHz, -64.0dBm
Trial #19	Detected	5520.0MHz, -64.0dBm
Trial #20	Detected	5515.0MHz, -64.0dBm
Trial #21	Detected	5510.0MHz, -64.0dBm
Trial #22	Detected	5505.0MHz, -64.0dBm
Trial #23	Detected	5500.0MHz, -64.0dBm
Trial #24	Detected	5520.0MHz, -64.0dBm
Trial #25	Detected	5515.0MHz, -64.0dBm
Trial #26	Detected	5510.0MHz, -64.0dBm

Table 50 - Long Sequence Waveform Summary 40MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #27	Detected	5505.0MHz, -64.0dBm
Trial #28	Detected	5500.0MHz, -64.0dBm
Trial #29	Detected	5520.0MHz, -64.0dBm
Trial #30	NOT Detected	5515.0MHz, -64.0dBm

Table 51 - 40MHz Long Sequence Waveform Trial#1 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	74.4	10	1689.0	-	1.275967
2	2	68.1	13	1491.0	-	2.534773
3	3	94.6	15	1572.0	1147.0	3.182090
4	2	69.9	5	1200.0	-	5.315240
5	2	88.4	18	1663.0	-	6.367792
6	2	82.4	6	1778.0	-	7.231972
7	2	60.9	14	1333.0	-	8.963427
8	2	73.9	6	1491.0	-	10.330859
9	2	70.6	16	1051.0	-	11.246825

Table 52 - 40MHz Long Sequence Waveform Trial#2 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	82.6	16	1045.0	-	0.146254
2	1	67.6	7	-	-	0.733579
3	2	52.8	12	1907.0	-	1.806977
4	2	50.7	6	1391.0	-	2.163402
5	1	69.9	7	-	-	3.240675
6	2	67.7	10	1996.0	-	3.912703
7	3	92.8	19	1046.0	1930.0	4.691230
8	2	84.5	18	1760.0	-	5.331156
9	2	97.3	8	1163.0	-	5.966282
10	3	98.7	6	1947.0	1924.0	6.561035
11	1	51.9	12	-	-	7.368282
12	1	86.9	20	-	-	8.182540
13	2	95.8	10	1424.0	-	8.590236
14	2	95.8	13	1604.0	-	9.675897
15	3	72.6	6	1304.0	1752.0	10.323345
16	2	95.2	14	1653.0	-	10.858966
17	3	53.2	19	1743.0	1705.0	11.514000

Table 53 - 40MHz Long Sequence Waveform Trial#3 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	98.5	10	1134.0	-	1.085128
2	2	60.1	20	1867.0	-	1.957502
3	2	97.2	9	1285.0	-	2.705386
4	3	84.2	6	1928.0	1038.0	3.430377

Table 53 - 40MHz Long Sequence Waveform Trial#3 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
5	3	75.3	17	1174.0	1360.0	4.600544
6	2	84.8	16	1358.0	-	5.984221
7	1	65.3	13	-	-	7.458768
8	2	78.5	15	1002.0	-	8.088164
9	2	71.9	18	1546.0	-	9.248053
10	1	90.5	19	-	-	10.479398
11	2	86.6	10	1141.0	-	11.827877

Table 54 - 40MHz Long Sequence Waveform Trial#4 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	98.7	19	1203.0	1628.0	0.744570
2	3	94.7	11	1142.0	1761.0	1.266739
3	3	85.9	11	1468.0	1162.0	1.912030
4	2	70.4	9	1414.0	-	3.017757
5	2	83.3	16	1334.0	-	3.604388
6	2	64.6	10	1722.0	-	4.897820
7	3	59.3	19	1086.0	1687.0	5.945699
8	3	60.4	17	1170.0	1130.0	6.042362
9	3	66.0	10	1444.0	1933.0	6.995464
10	2	80.2	7	1135.0	-	8.254611
11	1	97.6	8	-	-	9.104403
12	3	77.9	8	1293.0	1326.0	10.081743
13	2	62.5	6	1135.0	-	10.918629
14	3	61.7	14	1638.0	1226.0	11.786880

Table 55 - 40MHz Long Sequence Waveform Trial#5 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	63.2	18	1614.0	-	0.456739
2	2	56.5	17	1544.0	-	1.078473
3	1	69.3	15	-	-	1.991340
4	1	84.9	7	-	-	2.170774
5	1	66.2	9	-	-	3.247055
6	1	85.2	9	-	-	3.463714
7	2	64.9	14	1511.0	-	4.273017
8	2	79.8	18	1364.0	-	5.042785
9	1	89.3	14	-	-	5.954116
10	2	89.8	17	1585.0	-	6.583162
11	1	52.4	17	-	-	6.704181
12	3	60.4	5	1082.0	1456.0	7.628259
13	2	75.3	14	1549.0	-	8.548813
14	3	87.6	13	1818.0	1021.0	9.009083
15	1	92.7	18	-	-	9.440194
16	2	62.0	12	1433.0	-	10.068463
17	3	99.9	7	1562.0	1468.0	10.825447
18	1	81.7	7	-	-	11.456796

Table 56 - 40MHz Long Sequence Waveform Trial#6 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	80.7	20	1588.0	-	0.590170
2	3	50.9	18	1018.0	1113.0	1.742359
3	2	59.2	16	1951.0	-	3.954969
4	2	92.4	9	1199.0	-	4.738070
5	2	79.7	9	1634.0	-	6.030895
6	2	93.7	16	1101.0	-	6.915585
7	2	71.5	13	1178.0	-	8.062247
8	1	88.2	12	-	-	10.481002
9	1	66.9	17	-	-	11.215111

Table 57 - 40MHz Long Sequence Waveform Trial#7 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	71.7	16	-	-	0.371904
2	2	96.1	6	1045.0	-	1.319166
3	2	62.6	6	1683.0	-	2.424198
4	3	69.2	11	1619.0	1895.0	3.420453
5	2	54.8	10	1768.0	-	4.543264
6	2	74.4	19	1559.0	-	4.682711
7	1	66.3	8	-	-	5.621575
8	3	57.7	11	1728.0	1968.0	6.743050
9	2	99.2	13	1884.0	-	7.650875
10	1	95.2	10	-	-	8.740333
11	1	82.4	18	-	-	10.055968
12	3	75.0	18	1025.0	1377.0	10.845067
13	3	74.4	8	1045.0	1322.0	11.634280

Table 58 - 40MHz Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	62.9	20	1144.0	1423.0	0.504975
2	3	65.8	6	1246.0	1965.0	0.752191
3	1	56.0	8	-	-	1.452700
4	3	68.5	6	1161.0	1342.0	2.508259
5	3	68.8	11	1184.0	1418.0	3.026325
6	2	68.8	17	1557.0	-	3.931702
7	3	98.5	12	1894.0	1846.0	4.304938
8	2	99.2	9	1678.0	-	5.067263
9	2	69.4	10	1274.0	-	5.531302
10	2	81.4	16	1397.0	-	6.266292
11	1	70.0	20	-	-	7.155674
12	2	88.1	6	1506.0	-	7.368330
13	2	53.2	6	1981.0	-	8.340478
14	3	82.5	7	1700.0	1573.0	8.678588
15	1	84.4	17	-	-	9.739853
16	3	87.9	16	1871.0	1565.0	10.357520
17	2	69.0	5	1502.0	-	10.832103
18	1	98.9	13	-	-	11.396769

Table 59 - 40MHz Long Sequence Waveform Trial#9 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	82.2	19	1015.0	-	0.286582
2	2	55.0	8	1777.0	-	1.212424
3	3	88.0	11	1221.0	1282.0	1.992480
4	2	90.5	14	1023.0	-	2.538482
5	2	66.1	14	1423.0	-	3.633203
6	2	92.2	15	1803.0	-	4.102176
7	1	73.9	12	-	-	4.859032
8	2	53.6	12	1295.0	-	5.771556
9	2	65.8	6	1773.0	-	6.567392
10	2	93.2	13	1683.0	-	6.888609
11	2	83.8	19	1522.0	-	7.999640
12	2	79.4	9	1899.0	-	8.584362
13	2	54.2	20	1254.0	-	9.289712
14	3	80.6	13	1768.0	1017.0	10.443902
15	2	57.4	12	1189.0	-	10.966361
16	1	96.8	14	-	-	11.737510

Table 60 - 40MHz Long Sequence Waveform Trial#10 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	79.3	12	-	-	0.890669
2	2	78.9	8	1543.0	-	2.107063
3	2	57.6	18	1444.0	-	3.234369
4	1	87.4	16	-	-	4.345296
5	2	54.4	12	1065.0	-	6.010387
6	2	91.1	5	1559.0	-	6.815424
7	1	75.9	12	-	-	8.625987
8	1	61.3	17	-	-	9.793285
9	1	69.3	9	-	-	11.047884

Table 61 - 40MHz Long Sequence Waveform Trial#11 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.4	7	1318.0	-	0.385686
2	1	99.2	17	-	-	1.452548
3	2	90.5	12	1756.0	-	1.998465
4	2	64.6	13	1648.0	-	2.681203
5	3	75.9	13	1353.0	1455.0	3.512892
6	1	90.3	13	-	-	4.389246
7	3	85.3	8	1568.0	1566.0	4.995962
8	3	54.2	11	1992.0	1931.0	5.683065
9	2	55.7	18	1195.0	-	6.660590
10	1	95.5	11	-	-	6.786944
11	3	58.1	13	1647.0	1387.0	7.858160
12	2	65.1	10	1099.0	-	8.492815
13	3	96.1	8	1250.0	1336.0	9.400668
14	3	62.9	6	1487.0	1859.0	10.144216
15	2	60.2	13	1540.0	-	10.784921
16	2	75.0	8	1237.0	-	11.778829

Table 62 - 40MHz Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	72.7	17	1144.0	-	0.250863
2	2	95.5	18	1849.0	-	1.366340
3	3	99.1	13	1865.0	1232.0	2.361271
4	3	69.2	11	1075.0	1798.0	2.690856
5	2	92.2	6	1628.0	-	4.199977
6	3	51.4	9	1385.0	1876.0	4.579095
7	1	53.2	14	-	-	5.545126
8	2	99.3	9	1772.0	-	6.075783
9	2	62.2	17	1944.0	-	7.287741
10	2	64.5	18	1874.0	-	7.734016
11	1	71.3	11	-	-	8.842263
12	3	68.7	13	1818.0	1461.0	9.765189
13	1	73.3	16	-	-	10.692372
14	2	62.4	13	1671.0	-	11.146867

Table 63 - 40MHz Long Sequence Waveform Trial#13 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	52.9	12	1244.0	1034.0	0.445301
2	2	53.4	9	1220.0	-	1.093995
3	3	89.6	13	1574.0	1959.0	1.767122
4	2	83.6	20	1310.0	-	2.729031
5	2	63.3	18	1660.0	-	3.567994
6	2	88.1	17	1490.0	-	4.744168
7	3	67.8	7	1157.0	1458.0	5.539575
8	2	77.6	15	1566.0	-	5.652348
9	2	90.3	5	1484.0	-	6.684000
10	2	89.9	19	1384.0	-	7.685653
11	2	62.5	10	1450.0	-	8.480644
12	2	92.7	16	1089.0	-	9.410739
13	3	76.2	20	1987.0	1567.0	9.943075
14	1	94.1	13	-	-	10.625786
15	2	94.3	5	1765.0	-	11.296152

Table 64 - 40MHz Long Sequence Waveform Trial#14 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	61.9	12	1070.0	1745.0	0.029279
2	2	71.9	15	1751.0	-	1.908378
3	1	64.6	11	-	-	2.475000
4	2	65.8	11	1699.0	-	3.724913
5	2	92.8	17	1406.0	-	4.494988
6	2	91.2	19	1483.0	-	5.736388
7	2	91.1	16	1704.0	-	6.848126
8	1	53.2	18	-	-	7.760022
9	1	84.0	12	-	-	8.908082
10	3	55.3	15	1833.0	1480.0	9.681653
11	1	64.9	12	-	-	10.488182
12	1	94.0	14	-	-	11.162395

Table 65 - 40MHz Long Sequence Waveform Trial#15 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	79.2	7	1286.0	1647.0	0.237278
2	3	51.3	9	1960.0	1303.0	1.506321
3	2	73.4	5	1263.0	-	2.271920
4	2	90.0	14	1575.0	-	2.980981
5	3	51.5	19	1402.0	1885.0	3.667992
6	2	60.9	17	1885.0	-	4.434278
7	1	82.6	13	-	-	4.828513
8	2	57.5	16	1242.0	-	6.384630
9	2	55.2	11	1545.0	-	6.912488
10	3	97.3	15	1651.0	1186.0	7.345403
11	1	73.0	15	-	-	8.538928
12	2	84.1	19	1844.0	-	8.940727
13	3	72.2	18	1094.0	1871.0	9.688025
14	1	98.4	5	-	-	10.432646
15	3	59.8	16	1544.0	1655.0	11.897637

Table 66 - 40MHz Long Sequence Waveform Trial#16 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	84.0	17	-	-	0.465233
2	1	97.9	18	-	-	1.353151
3	3	55.1	20	1433.0	1906.0	1.692833
4	3	72.3	8	1475.0	1655.0	2.696520
5	2	67.2	7	1913.0	-	3.532432
6	2	88.0	19	1208.0	-	4.489289
7	2	56.3	17	1820.0	-	4.936276
8	3	68.6	16	1433.0	1628.0	5.654435
9	1	87.7	11	-	-	6.075350
10	3	98.8	6	1449.0	1719.0	7.258869
11	3	70.9	5	1068.0	1955.0	7.868951
12	2	95.7	5	1007.0	-	8.670388
13	1	64.9	14	-	-	9.086123
14	3	95.0	18	1007.0	1223.0	9.853521
15	2	62.1	15	1309.0	-	11.117969
16	2	98.8	10	1831.0	-	11.872155

Table 67 - 40MHz Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	85.5	6	1259.0	-	0.300083
2	2	98.8	17	1860.0	-	1.028728
3	2	81.4	10	1318.0	-	1.829869
4	2	67.5	11	1645.0	-	2.407056
5	3	69.2	10	1465.0	1221.0	2.730290
6	1	86.8	6	-	-	3.194956
7	3	57.7	18	1793.0	1966.0	4.163032
8	3	71.1	13	1653.0	1526.0	4.562090
9	1	94.5	6	-	-	5.470454
10	1	90.2	15	-	-	5.846596

Table 67 - 40MHz Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
11	3	53.0	13	1787.0	1185.0	6.754637
12	2	69.1	6	1266.0	-	7.374730
13	3	52.4	11	1077.0	1090.0	8.194017
14	3	71.1	15	1986.0	1516.0	8.447061
15	2	71.9	18	1995.0	-	8.932856
16	2	50.8	12	1297.0	-	10.058204
17	2	90.6	19	1651.0	-	10.272744
18	1	62.1	12	-	-	10.798373
19	2	77.0	17	1559.0	-	11.701000

Table 68 - 40MHz Long Sequence Waveform Trial#18 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	90.8	16	1678.0	1792.0	0.565310
2	2	68.0	19	1963.0	-	1.188318
3	2	63.3	7	1264.0	-	2.214761
4	1	57.6	19	-	-	3.195129
5	2	88.6	14	1025.0	-	3.491188
6	1	77.8	10	-	-	4.403331
7	3	87.2	6	1758.0	1744.0	5.585864
8	3	99.0	14	1477.0	1128.0	5.858516
9	3	99.6	19	1497.0	1061.0	6.859669
10	3	79.0	19	1026.0	1481.0	7.745038
11	1	94.7	8	-	-	8.692273
12	2	60.8	12	1233.0	-	9.043255
13	2	84.8	13	1893.0	-	10.367153
14	2	94.9	19	1654.0	-	10.523224
15	2	90.5	7	1821.0	-	11.754083

Table 69 - 40MHz Long Sequence Waveform Trial#19 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	86.4	16	1776.0	-	0.353622
2	2	82.8	16	1364.0	-	1.376215
3	2	55.8	6	1698.0	-	1.834105
4	3	52.5	17	1508.0	1214.0	2.405749
5	2	61.4	16	1515.0	-	2.877198
6	2	52.4	5	1451.0	-	4.204247
7	2	98.2	10	1604.0	-	4.394985
8	2	94.8	17	1838.0	-	5.481245
9	1	76.8	10	-	-	5.667884
10	3	69.4	15	1288.0	1133.0	6.490652
11	1	73.6	6	-	-	7.153629
12	3	57.8	15	1871.0	1366.0	8.201903
13	1	66.7	17	-	-	8.895285
14	3	50.0	5	1018.0	1588.0	9.355964
15	2	69.9	14	1214.0	-	9.996821
16	2	75.3	11	1912.0	-	11.049000
17	2	67.7	17	1178.0	-	11.656044

Table 70 - 40MHz Long Sequence Waveform Trial#20 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	77.5	15	1755.0	1575.0	0.487139
2	1	91.1	8	-	-	1.029073
3	2	94.2	9	1440.0	-	1.856138
4	1	78.8	13	-	-	3.529366
5	3	51.4	15	1921.0	1323.0	4.290689
6	2	59.6	6	1290.0	-	5.157657
7	2	88.9	7	1449.0	-	5.984500
8	1	87.0	6	-	-	6.894872
9	2	87.3	12	1040.0	-	8.070859
10	2	86.3	14	1613.0	-	8.877878
11	2	71.2	15	1318.0	-	10.099435
12	3	95.1	18	1071.0	1155.0	10.237568
13	1	64.9	7	-	-	11.510353

Table 71 - 40MHz Long Sequence Waveform Trial#21 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	79.4	11	1832.0	1442.0	0.455733
2	3	77.9	18	1560.0	1497.0	1.253481
3	3	76.7	15	1439.0	1544.0	2.226347
4	2	96.6	9	1891.0	-	2.652823
5	3	99.5	14	1745.0	1522.0	3.746167
6	3	51.7	18	1038.0	1150.0	4.268944
7	1	95.6	18	-	-	5.102417
8	2	86.1	14	1665.0	-	5.613802
9	2	71.1	6	1840.0	-	6.438360
10	2	84.1	11	1202.0	-	7.012355
11	2	94.5	11	1841.0	-	8.167574
12	3	81.0	18	1813.0	1317.0	8.820250
13	2	52.1	17	1359.0	-	9.578384
14	2	62.2	10	1823.0	-	9.945390
15	3	58.4	9	1491.0	1274.0	10.819515
16	3	60.7	17	1032.0	1491.0	11.995569

Table 72 - 40MHz Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	96.3	6	-	-	0.560903
2	3	64.3	13	1875.0	1243.0	1.399993
3	3	76.0	14	1336.0	1958.0	2.114078
4	2	74.7	10	1737.0	-	2.345848
5	3	85.2	9	1055.0	1329.0	3.164692
6	2	66.0	6	1835.0	-	4.181312
7	2	56.3	5	1142.0	-	5.083426
8	3	85.8	17	1739.0	1224.0	5.271238
9	3	95.0	17	1095.0	1203.0	6.294329
10	1	50.9	12	-	-	7.070300
11	1	52.7	12	-	-	7.802475
12	2	55.0	15	1476.0	-	8.968264
13	1	88.3	13	-	-	9.083390

Table 72 - 40MHz Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
14	1	96.1	5	-	-	10.063398
15	2	70.0	12	1030.0	-	11.157747
16	2	97.3	15	1058.0	-	11.905191

Table 73 - 40MHz Long Sequence Waveform Trial#23 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	53.5	6	1465.0	-	0.376926
2	3	60.0	13	1572.0	1823.0	0.894346
3	3	60.5	10	1121.0	1266.0	1.802830
4	3	75.6	7	1579.0	1730.0	2.277069
5	1	83.8	20	-	-	3.101767
6	1	74.9	7	-	-	3.469531
7	1	93.5	9	-	-	4.145085
8	2	84.8	19	1548.0	-	5.033093
9	2	85.8	14	1569.0	-	5.735094
10	3	53.5	6	1198.0	1574.0	6.094277
11	1	70.7	19	-	-	6.780595
12	2	83.1	7	1922.0	-	7.625143
13	2	93.8	10	1938.0	-	8.276429
14	1	58.3	10	-	-	8.887895
15	1	96.3	12	-	-	9.545344
16	3	69.7	18	1496.0	1074.0	10.365511
17	3	60.7	10	1493.0	1648.0	10.916797
18	1	61.8	13	-	-	11.398418

Table 74 - 40MHz Long Sequence Waveform Trial#24 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	84.3	16	1234.0	-	1.221239
2	2	51.9	15	1208.0	-	2.497447
3	1	58.7	9	-	-	3.473979
4	2	93.3	5	1414.0	-	4.191261
5	2	74.5	14	1078.0	-	6.271074
6	1	82.8	18	-	-	6.839357
7	2	53.6	16	1846.0	-	8.741723
8	1	56.6	6	-	-	9.815675
9	3	93.0	13	1090.0	1346.0	11.648598

Table 75 - 40MHz Long Sequence Waveform Trial#25 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	63.9	9	-	-	0.061080
2	3	77.1	19	1289.0	1006.0	1.626466
3	2	66.0	7	1385.0	-	4.003679
4	3	93.3	12	1232.0	1708.0	4.775764
5	2	61.6	19	1411.0	-	6.032623
6	2	76.7	7	1657.0	-	8.007152
7	1	92.9	5	-	-	9.272738

Table 75 - 40MHz Long Sequence Waveform Trial#25 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	1	99.1	15	-	-	11.869990

Table 76 - 40MHz Long Sequence Waveform Trial#26 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	94.6	7	1198.0	1901.0	0.735109
2	1	67.9	16	-	-	1.362818
3	3	89.1	12	1610.0	1191.0	1.869160
4	1	59.3	15	-	-	2.942201
5	3	51.3	13	1589.0	1948.0	3.022857
6	1	66.8	17	-	-	4.469180
7	2	59.4	20	1751.0	-	4.813534
8	2	51.4	11	1891.0	-	5.732064
9	2	75.7	12	1328.0	-	6.726244
10	2	92.4	17	1020.0	-	7.015502
11	2	80.2	7	1788.0	-	7.668265
12	1	74.0	14	-	-	8.904678
13	2	71.8	9	1695.0	-	9.649094
14	2	85.4	16	1191.0	-	10.087255
15	1	80.5	11	-	-	11.107573
16	2	93.5	5	1482.0	-	11.560586

Table 77 - 40MHz Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	94.9	17	1692.0	1170.0	0.139845
2	1	99.7	8	-	-	1.034727
3	2	65.7	16	1375.0	-	1.370599
4	2	74.9	7	1806.0	-	2.495135
5	2	70.3	17	1294.0	-	3.055027
6	3	54.6	19	1696.0	1184.0	3.718572
7	2	55.0	17	1913.0	-	4.491692
8	2	62.6	14	1894.0	-	5.318301
9	3	98.3	8	1286.0	1126.0	5.894462
10	3	96.8	12	1592.0	1376.0	6.128619
11	3	74.0	14	1837.0	1057.0	6.911160
12	2	87.1	17	1106.0	-	7.352397
13	3	56.3	7	1966.0	1698.0	8.082484
14	1	58.9	19	-	-	8.750428
15	2	79.2	15	1498.0	-	9.401070
16	3	84.0	12	1294.0	1833.0	10.479915
17	1	96.9	16	-	-	11.203417
18	1	71.0	14	-	-	11.353407

Table 78 - 40MHz Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	83.6	10	1189.0	-	0.210171
2	2	89.5	14	1023.0	-	1.508056

Table 78 - 40MHz Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
3	2	67.2	14	1043.0	-	3.349350
4	2	93.6	14	1876.0	-	4.150761
5	1	59.8	16	-	-	5.544541
6	1	81.1	5	-	-	6.845391
7	1	91.5	7	-	-	7.824810
8	3	68.2	19	1262.0	1630.0	9.233222
9	3	60.4	18	1538.0	1850.0	10.164551
10	3	55.2	11	1168.0	1484.0	11.295869

Table 79 - 40MHz Long Sequence Waveform Trial#29 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	68.5	11	1183.0	-	0.566431
2	2	88.9	17	1444.0	-	1.228571
3	2	93.6	6	1392.0	-	2.946258
4	3	78.0	6	1240.0	1647.0	4.431677
5	2	77.1	14	1551.0	-	5.099056
6	3	55.9	15	1054.0	1228.0	6.566892
7	3	76.9	13	1956.0	1080.0	7.905168
8	3	78.1	17	1712.0	1112.0	9.102750
9	1	71.8	10	-	-	10.040819
10	1	90.8	18	-	-	11.086258

Table 80 - 40MHz Long Sequence Waveform Trial#30 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	91.7	9	-	-	1.037204
2	1	62.0	18	-	-	1.539859
3	1	60.7	13	-	-	2.918287
4	1	74.3	6	-	-	4.943572
5	1	97.2	6	-	-	6.018101
6	2	99.6	15	1097.0	-	7.381704
7	2	84.1	14	1308.0	-	8.861253
8	3	84.4	17	1982.0	1153.0	10.364079
9	2	63.6	19	1603.0	-	11.418023

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5691, 5698, 5323, 5682, 5660, 5531, 5468, 5569, 5421, 5628, 5416, 5659, 5597, 5466, 5653, 5554, 5382, 5689, 5532, 5680, 5404, 5338, 5473, 5665, 5612, 5580, 5493, 5398, 5578, 5486, 5375, 5303, 5634, 5539, 5490, 5546, 5310, 5348, 5635, 5645, 5345, 5702, 5431, 5658, 5340, 5411, 5683, 5427, 5462, 5307, 5566, 5285, 5344, 5374, 5299, 5693, 5525, 5654, 5610, 5460, 5413, 5692, 5282, 5339, 5622, 5319, 5595, 5333, 5679, 5592, 5317, 5542, 5540, 5711, 5725, 5328, 5513, 5383, 5510, 5367, 5389, 5320, 5516, 5551, 5661, 5327, 5308, 5647, 5557, 5272, 5518, 5709, 5256, 5623, 5358, 5591, 5620, 5563, 5477, 5700 (5 hits) (04/13/2012 01:13:52 PM)
2	9	1.0	333.0	Yes	5526.0MHz, -64.0dBm	Hop sequence: 5470, 5511, 5378, 5671, 5255, 5591, 5385, 5714, 5554, 5360, 5340, 5292, 5661, 5279, 5281, 5571, 5420, 5342, 5421, 5364, 5298, 5467, 5626, 5433, 5537, 5477, 5417, 5648, 5724, 5460, 5577, 5556, 5261, 5377, 5533, 5682, 5654, 5548, 5514, 5313, 5508, 5471, 5273, 5479, 5282, 5361, 5306, 5611, 5295, 5517, 5560, 5586, 5632, 5383, 5629, 5437, 5538, 5480, 5618, 5631, 5625, 5335, 5323, 5425, 5434, 5487, 5267, 5269, 5717, 5276, 5314, 5274, 5536, 5646, 5559, 5699, 5413, 5510, 5539, 5715, 5345, 5490, 5583, 5485, 5546, 5679, 5466, 5690, 5429, 5458, 5354, 5408, 5609, 5716, 5544, 5390, 5557, 5521, 5355, 5294 (6 hits) (04/13/2012 01:14:37 PM)
3	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5468, 5347, 5456, 5585, 5563, 5510, 5264, 5687, 5403, 5631, 5254, 5721, 5329, 5310, 5290, 5255, 5453, 5522, 5694, 5392, 5457, 5356, 5489, 5726, 5282, 5408, 5566, 5432, 5660, 5538, 5455, 5267, 5543, 5506, 5389, 5509, 5315, 5505, 5404, 5388, 5265, 5448, 5262, 5639, 5369, 5275, 5269, 5725,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5300, 5640, 5285, 5699, 5304, 5276, 5518, 5420, 5439, 5352, 5281, 5361, 5613, 5674, 5531, 5278, 5279, 5605, 5677, 5344, 5608, 5637, 5607, 5661, 5351, 5374, 5635, 5664, 5651, 5606, 5302, 5542, 5603, 5355, 5313, 5513, 5604, 5526, 5390, 5569, 5663, 5669, 5680, 5426, 5363, 5617, 5319, 5375, 5535, 5495, 5702, 5545 (9 hits) (04/13/2012 01:15:30 PM)
4	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5706, 5350, 5510, 5336, 5440, 5717, 5543, 5263, 5581, 5559, 5363, 5328, 5684, 5490, 5716, 5641, 5606, 5392, 5557, 5378, 5694, 5610, 5533, 5631, 5358, 5519, 5584, 5419, 5406, 5639, 5558, 5523, 5715, 5260, 5509, 5659, 5571, 5623, 5409, 5597, 5359, 5485, 5499, 5310, 5531, 5711, 5459, 5431, 5356, 5379, 5677, 5625, 5681, 5579, 5277, 5338, 5429, 5525, 5321, 5305, 5461, 5496, 5562, 5544, 5424, 5654, 5666, 5302, 5655, 5725, 5265, 5705, 5452, 5481, 5402, 5568, 5602, 5475, 5298, 5348, 5371, 5262, 5448, 5460, 5513, 5550, 5367, 5467, 5256, 5724, 5357, 5670, 5498, 5387, 5372, 5341, 5527, 5410, 5679, 5565 (9 hits) (04/13/2012 01:15:37 PM)
5	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5610, 5648, 5499, 5600, 5567, 5605, 5455, 5583, 5687, 5444, 5660, 5309, 5667, 5517, 5305, 5514, 5358, 5374, 5512, 5472, 5700, 5312, 5713, 5515, 5513, 5443, 5477, 5281, 5313, 5546, 5576, 5644, 5541, 5270, 5364, 5705, 5682, 5549, 5345, 5467, 5553, 5410, 5279, 5329, 5424, 5609, 5631, 5669, 5471, 5617, 5439, 5404, 5621, 5557, 5299, 5419, 5522, 5548, 5413, 5257, 5647, 5703, 5640, 5720, 5699, 5588, 5421, 5479, 5602, 5710, 5635, 5392, 5475, 5719, 5258, 5320, 5366, 5382, 5651, 5587, 5572, 5373, 5656, 5412, 5306, 5390, 5616, 5534, 5422, 5298, 5324, 5707, 5314, 5272, 5416, 5460, 5622, 5564, 5559, 5671 (7 hits) (04/13/2012

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						01:15:45 PM)
6	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5425, 5602, 5656, 5325, 5646, 5578, 5520, 5717, 5690, 5529, 5431, 5290, 5561, 5672, 5423, 5261, 5438, 5710, 5496, 5700, 5253, 5528, 5462, 5316, 5482, 5530, 5593, 5408, 5317, 5638, 5525, 5433, 5707, 5389, 5394, 5417, 5287, 5505, 5395, 5402, 5471, 5669, 5339, 5379, 5664, 5536, 5693, 5264, 5322, 5609, 5708, 5723, 5494, 5278, 5415, 5400, 5468, 5594, 5332, 5282, 5616, 5614, 5430, 5682, 5635, 5297, 5256, 5266, 5369, 5356, 5705, 5478, 5374, 5687, 5565, 5643, 5348, 5483, 5484, 5566, 5260, 5715, 5285, 5460, 5265, 5329, 5532, 5598, 5373, 5653, 5300, 5558, 5312, 5702, 5447, 5714, 5502, 5370, 5678, 5279 (6 hits) (04/13/2012 01:15:55 PM)
7	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5601, 5303, 5337, 5374, 5392, 5293, 5576, 5697, 5725, 5402, 5545, 5632, 5341, 5495, 5593, 5394, 5410, 5686, 5290, 5485, 5548, 5494, 5651, 5538, 5386, 5400, 5328, 5406, 5672, 5250, 5430, 5519, 5318, 5668, 5643, 5539, 5338, 5580, 5602, 5265, 5315, 5395, 5441, 5357, 5607, 5641, 5658, 5584, 5285, 5412, 5579, 5431, 5713, 5356, 5573, 5637, 5312, 5708, 5659, 5372, 5529, 5634, 5692, 5437, 5577, 5507, 5279, 5340, 5596, 5528, 5286, 5550, 5716, 5477, 5656, 5304, 5532, 5603, 5693, 5670, 5546, 5621, 5604, 5633, 5612, 5530, 5476, 5371, 5343, 5454, 5613, 5518, 5524, 5362, 5681, 5490, 5268, 5606, 5352, 5375 (6 hits) (04/13/2012 01:16:16 PM)
8	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5644, 5593, 5334, 5367, 5681, 5590, 5308, 5534, 5558, 5332, 5706, 5700, 5632, 5696, 5311, 5628, 5408, 5503, 5717, 5619, 5592, 5672, 5440, 5612, 5666, 5428, 5721, 5437, 5712, 5559, 5400, 5444, 5655, 5691, 5605, 5267, 5693, 5287, 5257, 5401, 5578, 5527, 5471, 5279, 5451, 5665, 5634, 5690,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5274, 5651, 5662, 5711, 5585, 5411, 5388, 5446, 5335, 5688, 5289, 5469, 5529, 5397, 5484, 5470, 5288, 5566, 5616, 5347, 5692, 5668, 5391, 5466, 5596, 5618, 5564, 5365, 5476, 5473, 5530, 5306, 5324, 5543, 5539, 5673, 5438, 5477, 5579, 5633, 5265, 5355, 5679, 5515, 5537, 5263, 5602, 5554, 5497, 5597, 5610, 5580 (3 hits) (04/13/2012 01:16:24 PM)
9	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5670, 5512, 5725, 5579, 5587, 5477, 5359, 5714, 5653, 5308, 5612, 5486, 5423, 5613, 5321, 5302, 5708, 5407, 5528, 5300, 5459, 5681, 5304, 5554, 5556, 5283, 5273, 5705, 5499, 5451, 5541, 5374, 5352, 5330, 5288, 5351, 5709, 5325, 5624, 5313, 5476, 5718, 5447, 5618, 5687, 5698, 5334, 5542, 5307, 5485, 5633, 5328, 5333, 5439, 5362, 5656, 5256, 5435, 5443, 5454, 5341, 5412, 5463, 5626, 5317, 5543, 5462, 5467, 5564, 5658, 5520, 5695, 5332, 5505, 5519, 5480, 5336, 5416, 5420, 5257, 5250, 5393, 5666, 5550, 5680, 5704, 5446, 5343, 5309, 5532, 5707, 5678, 5410, 5287, 5375, 5345, 5449, 5264, 5318, 5526 (6 hits) (04/13/2012 01:16:30 PM)
10	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5659, 5302, 5714, 5674, 5635, 5562, 5410, 5437, 5617, 5609, 5424, 5511, 5583, 5351, 5482, 5517, 5625, 5456, 5572, 5466, 5575, 5509, 5460, 5580, 5435, 5488, 5530, 5300, 5645, 5518, 5676, 5631, 5516, 5568, 5666, 5658, 5563, 5463, 5598, 5684, 5295, 5388, 5526, 5651, 5432, 5656, 5337, 5386, 5462, 5301, 5293, 5305, 5252, 5316, 5450, 5255, 5346, 5349, 5311, 5274, 5549, 5558, 5405, 5426, 5417, 5413, 5256, 5535, 5668, 5534, 5561, 5284, 5662, 5383, 5687, 5554, 5573, 5402, 5453, 5529, 5705, 5473, 5280, 5358, 5344, 5602, 5412, 5552, 5584, 5551, 5603, 5608, 5557, 5641, 5531, 5574, 5259, 5661, 5251, 5556 (6 hits) (04/13/2012

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						01:16:36 PM)
11	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5692, 5691, 5584, 5711, 5587, 5482, 5597, 5468, 5546, 5664, 5471, 5693, 5649, 5483, 5404, 5559, 5440, 5415, 5676, 5530, 5637, 5463, 5641, 5269, 5408, 5377, 5704, 5714, 5373, 5293, 5570, 5496, 5405, 5485, 5303, 5266, 5316, 5596, 5665, 5472, 5426, 5299, 5325, 5602, 5688, 5545, 5300, 5512, 5370, 5289, 5476, 5621, 5686, 5667, 5449, 5616, 5319, 5339, 5386, 5261, 5619, 5639, 5544, 5498, 5495, 5677, 5399, 5430, 5460, 5717, 5444, 5687, 5560, 5565, 5272, 5305, 5533, 5277, 5614, 5563, 5347, 5572, 5335, 5351, 5674, 5313, 5499, 5657, 5660, 5504, 5605, 5671, 5580, 5428, 5507, 5513, 5414, 5535, 5398, 5263 (8 hits) (04/13/2012 01:16:43 PM)
12	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5335, 5415, 5714, 5578, 5338, 5389, 5437, 5294, 5676, 5722, 5303, 5410, 5595, 5712, 5288, 5545, 5397, 5391, 5313, 5275, 5610, 5500, 5277, 5457, 5482, 5488, 5691, 5652, 5699, 5425, 5454, 5559, 5473, 5426, 5316, 5461, 5406, 5378, 5383, 5458, 5365, 5494, 5450, 5445, 5509, 5530, 5430, 5351, 5315, 5368, 5549, 5408, 5648, 5680, 5400, 5720, 5547, 5385, 5290, 5305, 5328, 5381, 5255, 5332, 5510, 5342, 5501, 5550, 5409, 5446, 5362, 5535, 5600, 5636, 5422, 5507, 5469, 5525, 5597, 5670, 5419, 5532, 5557, 5511, 5561, 5264, 5646, 5498, 5382, 5312, 5462, 5519, 5372, 5497, 5541, 5598, 5452, 5431, 5599, 5270 (11 hits) (04/13/2012 01:16:49 PM)
13	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5569, 5395, 5364, 5467, 5628, 5596, 5664, 5624, 5532, 5294, 5724, 5667, 5607, 5350, 5423, 5537, 5531, 5658, 5637, 5264, 5333, 5618, 5665, 5599, 5457, 5518, 5449, 5524, 5372, 5561, 5291, 5429, 5319, 5577, 5653, 5657, 5370, 5507, 5361, 5672, 5406, 5362, 5464, 5355, 5472, 5508, 5696, 5426,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5715, 5595, 5499, 5336, 5685, 5609, 5482, 5702, 5437, 5387, 5414, 5353, 5704, 5550, 5459, 5680, 5277, 5605, 5460, 5536, 5514, 5411, 5399, 5391, 5425, 5707, 5327, 5441, 5296, 5393, 5297, 5503, 5475, 5543, 5357, 5502, 5448, 5678, 5509, 5417, 5580, 5465, 5496, 5396, 5338, 5274, 5252, 5279, 5641, 5439, 5304, 5598 (10 hits) (04/13/2012 01:16:56 PM)
14	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5263, 5696, 5721, 5664, 5574, 5344, 5458, 5549, 5252, 5628, 5410, 5292, 5504, 5388, 5722, 5271, 5279, 5672, 5380, 5442, 5589, 5432, 5625, 5679, 5544, 5368, 5543, 5470, 5542, 5532, 5606, 5506, 5402, 5644, 5554, 5319, 5520, 5507, 5315, 5620, 5709, 5586, 5514, 5341, 5689, 5351, 5684, 5324, 5403, 5295, 5588, 5609, 5352, 5318, 5353, 5266, 5406, 5650, 5286, 5553, 5529, 5281, 5568, 5416, 5345, 5438, 5599, 5371, 5699, 5400, 5571, 5685, 5434, 5633, 5285, 5505, 5283, 5592, 5420, 5407, 5698, 5337, 5616, 5261, 5678, 5604, 5333, 5474, 5710, 5275, 5564, 5497, 5717, 5591, 5258, 5373, 5618, 5259, 5615, 5577 (7 hits) (04/13/2012 01:17:05 PM)
15	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5445, 5669, 5354, 5693, 5623, 5448, 5482, 5686, 5275, 5613, 5399, 5485, 5362, 5615, 5419, 5509, 5365, 5381, 5375, 5411, 5619, 5705, 5601, 5474, 5427, 5647, 5357, 5710, 5313, 5545, 5679, 5328, 5353, 5680, 5633, 5351, 5566, 5650, 5480, 5543, 5534, 5259, 5527, 5387, 5688, 5484, 5434, 5316, 5303, 5451, 5602, 5622, 5269, 5503, 5478, 5667, 5426, 5293, 5403, 5372, 5538, 5529, 5584, 5342, 5424, 5324, 5691, 5285, 5430, 5422, 5321, 5660, 5579, 5716, 5692, 5352, 5368, 5612, 5506, 5515, 5712, 5510, 5695, 5589, 5596, 5421, 5371, 5355, 5385, 5665, 5507, 5530, 5722, 5329, 5283, 5386, 5586, 5531, 5304, 5523 (7 hits) (04/13/2012

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						01:17:11 PM)
16	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5576, 5614, 5579, 5599, 5654, 5275, 5469, 5468, 5355, 5312, 5553, 5385, 5602, 5712, 5662, 5271, 5484, 5427, 5538, 5616, 5383, 5513, 5552, 5531, 5500, 5425, 5442, 5305, 5480, 5530, 5281, 5416, 5532, 5301, 5566, 5261, 5625, 5428, 5253, 5266, 5411, 5300, 5698, 5541, 5402, 5628, 5652, 5578, 5493, 5342, 5673, 5424, 5269, 5715, 5630, 5556, 5401, 5276, 5413, 5445, 5347, 5524, 5437, 5326, 5308, 5472, 5435, 5479, 5314, 5542, 5255, 5505, 5399, 5592, 5254, 5370, 5352, 5417, 5560, 5510, 5444, 5695, 5606, 5564, 5320, 5519, 5397, 5506, 5351, 5582, 5455, 5636, 5309, 5619, 5572, 5481, 5360, 5285, 5678, 5633 (7 hits) (04/13/2012 01:17:18 PM)
17	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5275, 5604, 5340, 5704, 5679, 5692, 5418, 5570, 5678, 5615, 5318, 5540, 5402, 5289, 5281, 5434, 5534, 5370, 5612, 5613, 5470, 5462, 5392, 5713, 5476, 5594, 5675, 5607, 5558, 5700, 5556, 5528, 5480, 5610, 5450, 5316, 5324, 5525, 5284, 5473, 5562, 5513, 5286, 5329, 5438, 5453, 5672, 5662, 5582, 5496, 5337, 5628, 5647, 5666, 5386, 5319, 5308, 5709, 5474, 5312, 5296, 5609, 5715, 5492, 5299, 5352, 5463, 5375, 5706, 5557, 5409, 5598, 5367, 5711, 5454, 5292, 5485, 5574, 5695, 5538, 5251, 5664, 5561, 5643, 5658, 5276, 5274, 5365, 5347, 5505, 5634, 5522, 5396, 5486, 5385, 5441, 5256, 5344, 5285, 5270 (5 hits) (04/13/2012 01:17:25 PM)
18	9	1.0	333.0	Yes	5509.0MHz, -64.0dBm	Hop sequence: 5701, 5456, 5720, 5522, 5617, 5493, 5683, 5708, 5338, 5434, 5369, 5303, 5680, 5563, 5630, 5689, 5336, 5541, 5547, 5431, 5412, 5387, 5560, 5658, 5595, 5343, 5262, 5268, 5535, 5642, 5631, 5382, 5592, 5299, 5426, 5528, 5546, 5417, 5436, 5477, 5604, 5602, 5340, 5579, 5521, 5530, 5280, 5699,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5358, 5645, 5569, 5314, 5251, 5410, 5668, 5397, 5549, 5621, 5582, 5418, 5449, 5711, 5286, 5503, 5269, 5433, 5615, 5514, 5324, 5479, 5371, 5443, 5281, 5366, 5267, 5628, 5657, 5587, 5484, 5641, 5607, 5334, 5515, 5254, 5349, 5465, 5510, 5316, 5713, 5511, 5470, 5442, 5301, 5653, 5568, 5398, 5584, 5552, 5588, 5681 (7 hits) (04/13/2012 01:17:34 PM)
19	9	1.0	333.0	Yes	5510.0MHz, -64.0dBm	Hop sequence: 5682, 5354, 5477, 5327, 5454, 5440, 5260, 5634, 5475, 5610, 5423, 5363, 5551, 5625, 5720, 5466, 5345, 5463, 5419, 5462, 5582, 5390, 5653, 5353, 5350, 5412, 5484, 5380, 5404, 5365, 5683, 5364, 5307, 5580, 5628, 5640, 5507, 5449, 5684, 5396, 5279, 5441, 5598, 5433, 5344, 5699, 5352, 5635, 5467, 5521, 5560, 5718, 5629, 5285, 5335, 5505, 5539, 5362, 5376, 5669, 5709, 5603, 5401, 5405, 5676, 5252, 5276, 5381, 5599, 5541, 5267, 5311, 5590, 5256, 5529, 5485, 5315, 5322, 5703, 5568, 5666, 5661, 5690, 5324, 5585, 5516, 5374, 5542, 5438, 5305, 5723, 5631, 5492, 5630, 5537, 5308, 5566, 5548, 5671, 5299 (4 hits) (04/13/2012 01:17:41 PM)
20	9	1.0	333.0	Yes	5511.0MHz, -64.0dBm	Hop sequence: 5424, 5704, 5606, 5679, 5373, 5659, 5560, 5287, 5637, 5617, 5462, 5653, 5678, 5448, 5712, 5529, 5327, 5687, 5285, 5494, 5474, 5408, 5366, 5646, 5719, 5505, 5388, 5710, 5522, 5339, 5621, 5458, 5344, 5685, 5437, 5271, 5392, 5480, 5330, 5368, 5534, 5476, 5326, 5352, 5418, 5601, 5269, 5355, 5353, 5300, 5700, 5253, 5670, 5559, 5428, 5456, 5582, 5674, 5516, 5265, 5625, 5251, 5620, 5332, 5427, 5524, 5477, 5336, 5705, 5361, 5692, 5643, 5496, 5557, 5294, 5282, 5608, 5460, 5356, 5452, 5648, 5558, 5656, 5593, 5313, 5311, 5454, 5681, 5403, 5319, 5588, 5393, 5340, 5310, 5633, 5316, 5657, 5322, 5276, 5575 (6 hits) (04/13/2012

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						01:17:48 PM)
21	9	1.0	333.0	Yes	5512.0MHz, -64.0dBm	Hop sequence: 5313, 5634, 5556, 5406, 5607, 5581, 5625, 5336, 5266, 5271, 5560, 5352, 5398, 5533, 5394, 5390, 5580, 5661, 5583, 5277, 5402, 5699, 5370, 5527, 5308, 5558, 5258, 5357, 5353, 5376, 5373, 5505, 5410, 5647, 5593, 5575, 5502, 5682, 5488, 5302, 5664, 5650, 5615, 5467, 5496, 5591, 5341, 5413, 5582, 5549, 5507, 5279, 5275, 5422, 5425, 5291, 5339, 5563, 5314, 5642, 5613, 5458, 5632, 5602, 5287, 5566, 5638, 5304, 5617, 5562, 5320, 5442, 5335, 5479, 5272, 5497, 5315, 5441, 5601, 5628, 5332, 5423, 5401, 5564, 5495, 5712, 5635, 5627, 5663, 5511, 5462, 5367, 5278, 5600, 5544, 5452, 5463, 5288, 5407, 5338 (7 hits) (04/13/2012 01:17:54 PM)
22	9	1.0	333.0	Yes	5513.0MHz, -64.0dBm	Hop sequence: 5614, 5310, 5580, 5602, 5611, 5705, 5692, 5450, 5505, 5363, 5550, 5452, 5543, 5589, 5420, 5340, 5660, 5411, 5706, 5373, 5338, 5461, 5279, 5290, 5519, 5667, 5435, 5514, 5376, 5268, 5370, 5476, 5287, 5439, 5405, 5382, 5654, 5537, 5479, 5532, 5360, 5598, 5389, 5552, 5595, 5694, 5604, 5640, 5324, 5442, 5686, 5288, 5369, 5364, 5655, 5372, 5647, 5424, 5464, 5454, 5659, 5569, 5350, 5696, 5484, 5683, 5488, 5635, 5625, 5699, 5566, 5549, 5695, 5560, 5366, 5609, 5417, 5342, 5343, 5259, 5568, 5582, 5542, 5272, 5353, 5485, 5305, 5433, 5470, 5666, 5309, 5716, 5562, 5701, 5555, 5297, 5631, 5509, 5521, 5345 (5 hits) (04/13/2012 01:18:01 PM)
23	9	1.0	333.0	Yes	5514.0MHz, -64.0dBm	Hop sequence: 5626, 5474, 5329, 5677, 5516, 5334, 5446, 5487, 5296, 5539, 5365, 5280, 5316, 5436, 5693, 5271, 5268, 5658, 5647, 5531, 5585, 5340, 5402, 5361, 5678, 5659, 5457, 5574, 5368, 5550, 5367, 5620, 5320, 5479, 5360, 5473, 5596, 5350, 5423, 5692, 5600, 5535, 5722, 5262, 5591, 5641, 5451, 5670,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5716, 5272, 5530, 5494, 5376, 5302, 5560, 5701, 5413, 5545, 5321, 5472, 5311, 5264, 5456, 5483, 5643, 5439, 5544, 5603, 5534, 5617, 5496, 5255, 5724, 5506, 5614, 5588, 5714, 5548, 5257, 5648, 5562, 5569, 5260, 5480, 5657, 5567, 5558, 5362, 5511, 5381, 5572, 5684, 5565, 5571, 5598, 5421, 5410, 5705, 5679, 5442 (5 hits) (04/13/2012 01:18:09 PM)
24	9	1.0	333.0	Yes	5515.0MHz, -64.0dBm	Hop sequence: 5495, 5685, 5532, 5258, 5678, 5416, 5719, 5652, 5465, 5526, 5589, 5525, 5488, 5401, 5310, 5474, 5516, 5395, 5616, 5320, 5351, 5404, 5387, 5506, 5283, 5482, 5444, 5605, 5420, 5398, 5400, 5261, 5591, 5344, 5663, 5718, 5380, 5635, 5518, 5610, 5512, 5535, 5721, 5702, 5446, 5296, 5712, 5276, 5520, 5356, 5361, 5655, 5665, 5633, 5385, 5441, 5470, 5692, 5254, 5583, 5262, 5274, 5393, 5353, 5657, 5564, 5284, 5270, 5507, 5503, 5376, 5569, 5667, 5496, 5673, 5360, 5390, 5606, 5253, 5337, 5309, 5580, 5352, 5419, 5653, 5399, 5347, 5305, 5612, 5449, 5312, 5275, 5681, 5458, 5558, 5629, 5306, 5494, 5647, 5464 (12 hits) (04/13/2012 01:18:17 PM)
25	9	1.0	333.0	Yes	5516.0MHz, -64.0dBm	Hop sequence: 5431, 5629, 5507, 5540, 5339, 5583, 5580, 5516, 5264, 5337, 5445, 5408, 5433, 5419, 5477, 5696, 5267, 5468, 5607, 5600, 5567, 5655, 5525, 5588, 5369, 5630, 5612, 5586, 5298, 5460, 5426, 5272, 5330, 5570, 5438, 5442, 5618, 5329, 5623, 5346, 5549, 5688, 5293, 5288, 5662, 5628, 5510, 5377, 5582, 5423, 5625, 5271, 5363, 5405, 5681, 5487, 5627, 5309, 5584, 5345, 5448, 5532, 5398, 5333, 5496, 5659, 5394, 5676, 5585, 5674, 5502, 5313, 5520, 5290, 5539, 5689, 5390, 5702, 5706, 5703, 5579, 5378, 5306, 5454, 5610, 5356, 5273, 5635, 5269, 5286, 5278, 5473, 5350, 5376, 5263, 5282, 5307, 5428, 5395, 5349 (7 hits) (04/13/2012

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						01:18:25 PM)
26	9	1.0	333.0	Yes	5517.0MHz, -64.0dBm	Hop sequence: 5554, 5581, 5540, 5473, 5605, 5496, 5524, 5338, 5634, 5428, 5674, 5672, 5515, 5589, 5441, 5688, 5272, 5323, 5474, 5675, 5664, 5621, 5530, 5720, 5724, 5673, 5314, 5566, 5392, 5493, 5638, 5366, 5409, 5504, 5457, 5644, 5454, 5532, 5522, 5419, 5593, 5461, 5349, 5622, 5332, 5382, 5700, 5710, 5646, 5624, 5640, 5623, 5592, 5342, 5582, 5725, 5406, 5701, 5478, 5269, 5442, 5250, 5255, 5367, 5384, 5276, 5677, 5549, 5468, 5328, 5604, 5643, 5653, 5278, 5510, 5281, 5383, 5639, 5430, 5680, 5705, 5285, 5577, 5511, 5517, 5319, 5506, 5575, 5707, 5259, 5381, 5290, 5642, 5315, 5503, 5660, 5722, 5694, 5602, 5316 (10 hits) (04/13/2012 01:18:34 PM)
27	9	1.0	333.0	Yes	5518.0MHz, -64.0dBm	Hop sequence: 5683, 5598, 5281, 5305, 5444, 5250, 5630, 5609, 5677, 5712, 5285, 5484, 5458, 5533, 5336, 5317, 5635, 5565, 5424, 5323, 5567, 5301, 5513, 5442, 5570, 5692, 5365, 5265, 5409, 5564, 5274, 5432, 5278, 5349, 5460, 5358, 5601, 5508, 5687, 5573, 5459, 5586, 5485, 5354, 5605, 5642, 5652, 5466, 5655, 5375, 5263, 5503, 5606, 5554, 5406, 5408, 5704, 5497, 5690, 5364, 5549, 5255, 5426, 5515, 5463, 5543, 5373, 5415, 5521, 5416, 5633, 5268, 5618, 5675, 5593, 5272, 5721, 5258, 5445, 5541, 5327, 5385, 5435, 5529, 5448, 5557, 5254, 5283, 5277, 5346, 5275, 5602, 5562, 5369, 5498, 5427, 5619, 5530, 5393, 5597 (7 hits) (04/13/2012 01:18:43 PM)
28	9	1.0	333.0	Yes	5519.0MHz, -64.0dBm	Hop sequence: 5360, 5382, 5605, 5696, 5429, 5704, 5366, 5328, 5266, 5365, 5526, 5711, 5537, 5531, 5256, 5682, 5697, 5589, 5670, 5647, 5497, 5583, 5417, 5359, 5634, 5253, 5361, 5607, 5518, 5432, 5506, 5315, 5431, 5371, 5669, 5640, 5368, 5439, 5606, 5725, 5619, 5440, 5367, 5285, 5586, 5501, 5356, 5259,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5255, 5703, 5595, 5618, 5372, 5455, 5290, 5637, 5433, 5452, 5397, 5265, 5301, 5601, 5658, 5585, 5555, 5280, 5458, 5706, 5549, 5493, 5420, 5616, 5342, 5532, 5617, 5399, 5268, 5574, 5552, 5418, 5275, 5336, 5498, 5483, 5571, 5447, 5513, 5673, 5461, 5672, 5646, 5690, 5629, 5539, 5312, 5388, 5468, 5398, 5466, 5343 (7 hits) (04/13/2012 01:18:51 PM)
29	9	1.0	333.0	Yes	5520.0MHz, -64.0dBm	Hop sequence: 5303, 5480, 5328, 5419, 5525, 5433, 5632, 5337, 5549, 5358, 5379, 5461, 5277, 5373, 5260, 5648, 5267, 5576, 5448, 5538, 5482, 5579, 5435, 5523, 5684, 5520, 5377, 5278, 5375, 5376, 5698, 5675, 5296, 5315, 5291, 5297, 5304, 5545, 5360, 5524, 5687, 5621, 5392, 5650, 5327, 5581, 5637, 5586, 5285, 5353, 5261, 5658, 5250, 5385, 5465, 5717, 5609, 5696, 5457, 5424, 5584, 5251, 5325, 5624, 5316, 5555, 5380, 5726, 5653, 5300, 5390, 5604, 5693, 5588, 5562, 5667, 5589, 5473, 5399, 5430, 5647, 5715, 5639, 5407, 5293, 5483, 5382, 5280, 5288, 5462, 5310, 5640, 5575, 5397, 5283, 5556, 5367, 5725, 5330, 5572 (4 hits) (04/13/2012 01:18:58 PM)
30	9	1.0	333.0	Yes	5521.0MHz, -64.0dBm	Hop sequence: 5254, 5522, 5507, 5556, 5318, 5345, 5437, 5453, 5630, 5419, 5563, 5640, 5575, 5578, 5566, 5255, 5337, 5497, 5644, 5589, 5493, 5722, 5665, 5317, 5475, 5572, 5313, 5702, 5663, 5340, 5558, 5676, 5429, 5265, 5295, 5627, 5692, 5716, 5458, 5521, 5334, 5498, 5555, 5523, 5690, 5370, 5330, 5587, 5287, 5291, 5435, 5281, 5536, 5598, 5480, 5312, 5454, 5668, 5273, 5548, 5279, 5546, 5592, 5595, 5543, 5446, 5539, 5670, 5715, 5561, 5573, 5709, 5614, 5427, 5300, 5515, 5301, 5360, 5618, 5723, 5385, 5537, 5398, 5444, 5323, 5449, 5467, 5327, 5694, 5673, 5308, 5299, 5348, 5721, 5588, 5307, 5320, 5508, 5414, 5390 (8 hits) (04/13/2012

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						01:19:05 PM)
31	9	1.0	333.0	Yes	5522.0MHz, -64.0dBm	Hop sequence: 5726, 5525, 5298, 5602, 5630, 5573, 5631, 5671, 5442, 5287, 5696, 5511, 5560, 5583, 5559, 5636, 5665, 5589, 5476, 5294, 5683, 5540, 5284, 5565, 5509, 5436, 5254, 5654, 5471, 5450, 5399, 5293, 5679, 5626, 5336, 5618, 5380, 5382, 5693, 5568, 5414, 5288, 5666, 5605, 5439, 5663, 5637, 5524, 5319, 5410, 5522, 5417, 5724, 5418, 5262, 5400, 5331, 5268, 5425, 5622, 5314, 5577, 5725, 5641, 5580, 5451, 5515, 5648, 5373, 5714, 5581, 5311, 5327, 5647, 5576, 5655, 5687, 5465, 5510, 5653, 5356, 5273, 5325, 5566, 5659, 5592, 5722, 5267, 5320, 5528, 5582, 5389, 5409, 5364, 5571, 5323, 5579, 5274, 5473, 5709 (7 hits) (04/13/2012 01:19:13 PM)
32	9	1.0	333.0	Yes	5523.0MHz, -64.0dBm	Hop sequence: 5464, 5274, 5288, 5437, 5543, 5643, 5666, 5326, 5676, 5263, 5368, 5507, 5332, 5324, 5618, 5589, 5449, 5460, 5555, 5378, 5299, 5353, 5533, 5526, 5448, 5585, 5579, 5451, 5631, 5604, 5302, 5410, 5596, 5470, 5354, 5576, 5615, 5391, 5255, 5394, 5644, 5678, 5303, 5347, 5487, 5723, 5552, 5713, 5564, 5612, 5514, 5313, 5268, 5594, 5440, 5442, 5323, 5390, 5488, 5315, 5602, 5613, 5720, 5270, 5520, 5350, 5663, 5266, 5415, 5600, 5636, 5371, 5515, 5575, 5530, 5277, 5496, 5503, 5306, 5461, 5344, 5341, 5591, 5668, 5497, 5693, 5467, 5412, 5435, 5309, 5457, 5717, 5588, 5662, 5642, 5536, 5489, 5616, 5369, 5430 (8 hits) (04/13/2012 01:19:19 PM)
33	9	1.0	333.0	Yes	5524.0MHz, -64.0dBm	Hop sequence: 5706, 5427, 5290, 5589, 5295, 5335, 5615, 5594, 5428, 5306, 5374, 5536, 5663, 5605, 5621, 5603, 5646, 5488, 5327, 5365, 5665, 5457, 5321, 5301, 5619, 5534, 5641, 5288, 5688, 5373, 5577, 5616, 5676, 5551, 5467, 5466, 5508, 5550, 5490, 5274, 5662, 5669, 5590, 5634, 5426, 5639, 5317, 5694,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5319, 5525, 5430, 5624, 5330, 5723, 5588, 5414, 5725, 5266, 5493, 5702, 5478, 5403, 5495, 5644, 5576, 5716, 5436, 5393, 5254, 5476, 5544, 5399, 5379, 5257, 5394, 5565, 5289, 5388, 5328, 5690, 5684, 5539, 5294, 5510, 5499, 5444, 5553, 5333, 5585, 5470, 5463, 5423, 5586, 5451, 5627, 5464, 5471, 5593, 5296, 5407 (5 hits) (04/13/2012 01:19:26 PM)

Appendix C Test Data Tables and Plots for Channel Closing**FCC PART 15 SUBPART E Channel Closing Measurements**

Table 82 FCC Part 15 Subpart E Channel Closing Test Results (Client)					
Waveform Type	Channel Closing Transmission Time ¹		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1 – December 13, 2011	28ms	60ms	1.971s	10s	Pass

Table 83 FCC Part 15 Subpart E Channel Closing Test Results (Master)					
Waveform Type	Channel Closing Transmission Time		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1 – April 13, 2012	6.8 ms	60 ms	1.928 s	10 s	Pass
Radar Type 5 – April 13, 2012	0 ms	60 ms	-6.529 s	10 s	Pass

After the final channel closing test the channel was monitored for a further 30 minutes. No transmissions occurred on the channel.

¹ Channel closing time for FCC measurements is the aggregate transmission time starting from 200ms after the end of the radar signal to the completion of the channel move.

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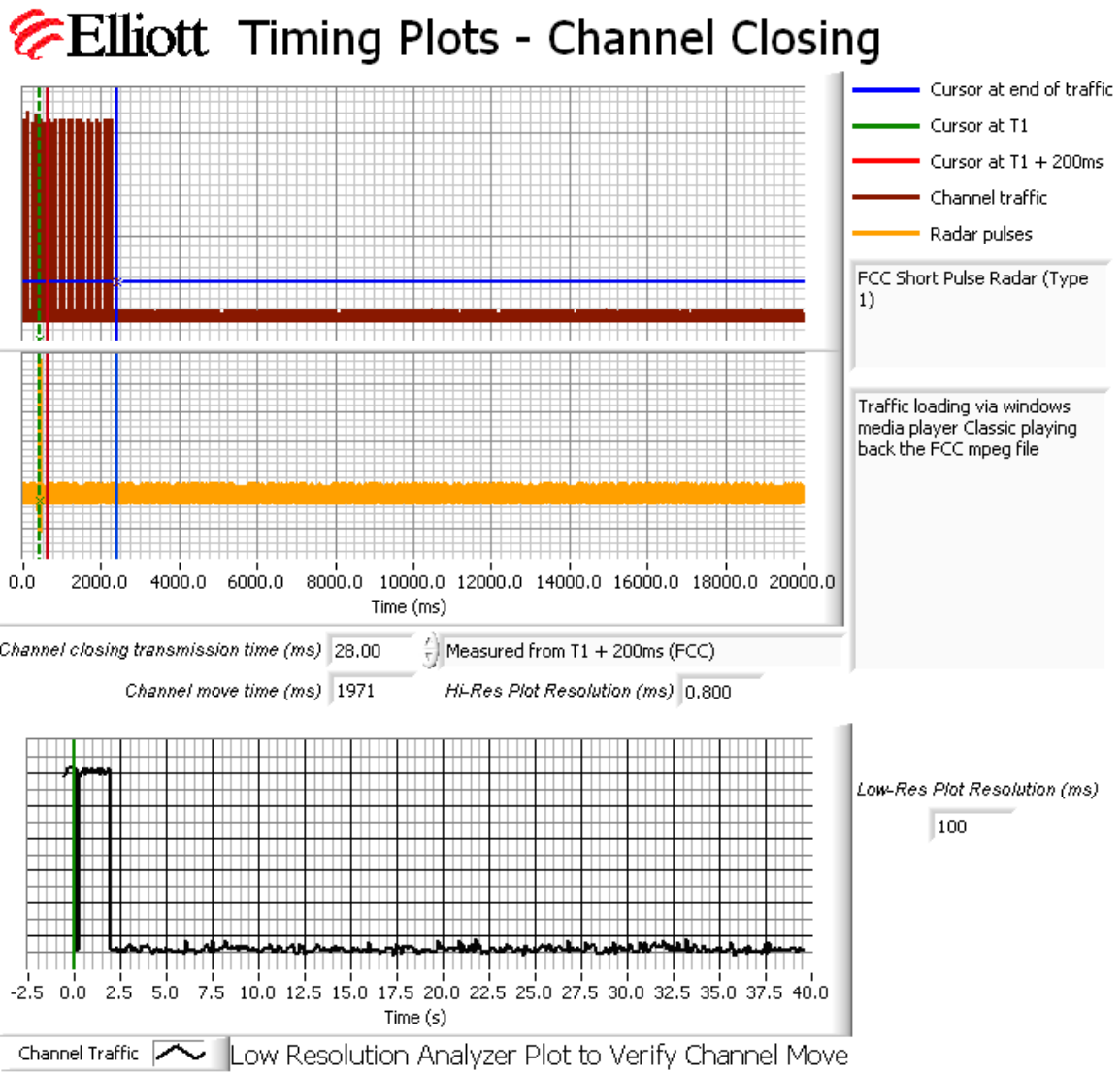


Figure 2 Channel Closing Time and Channel Move Time – 40 second plot (Client)

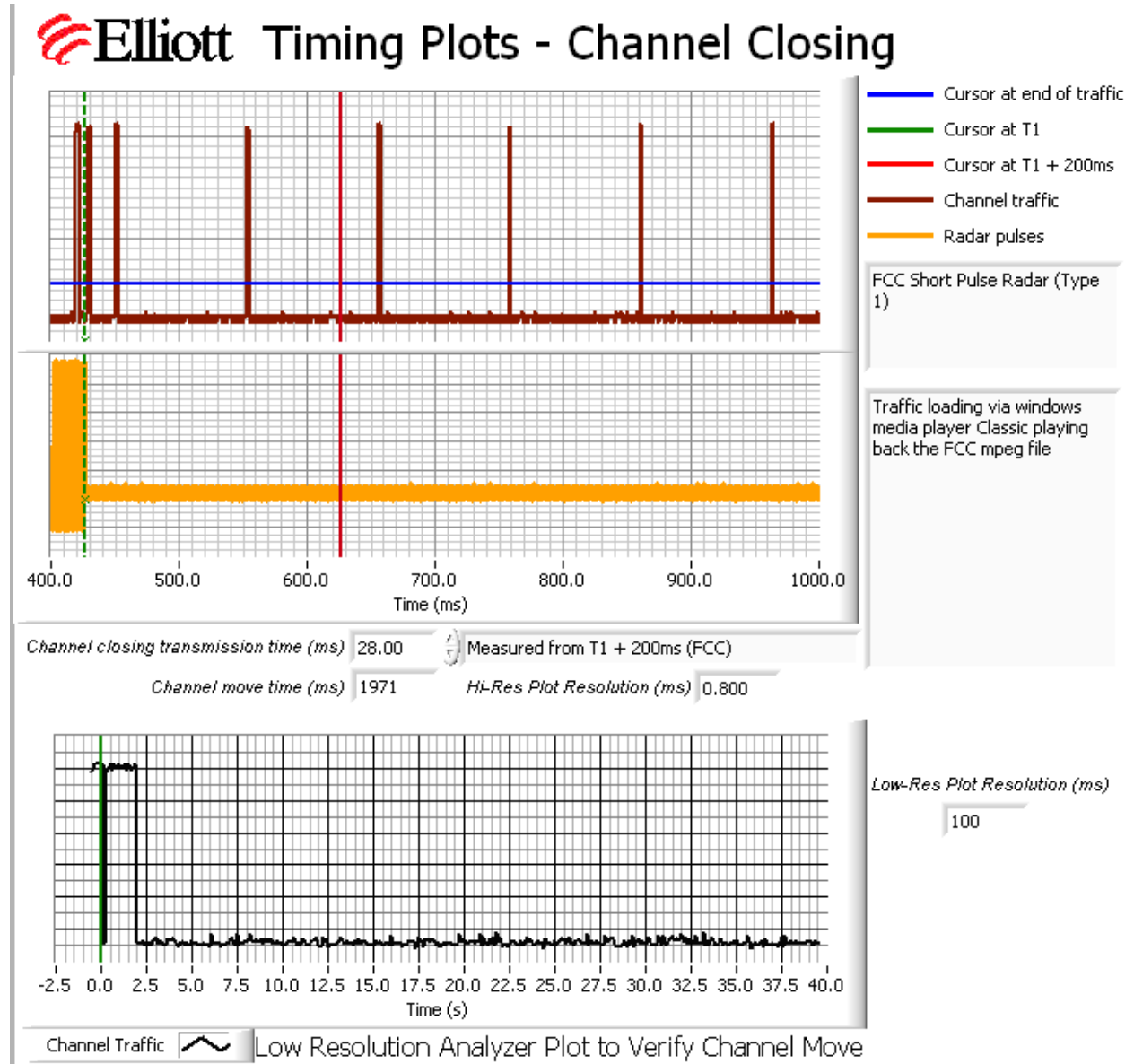


Figure 3 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar (Client)

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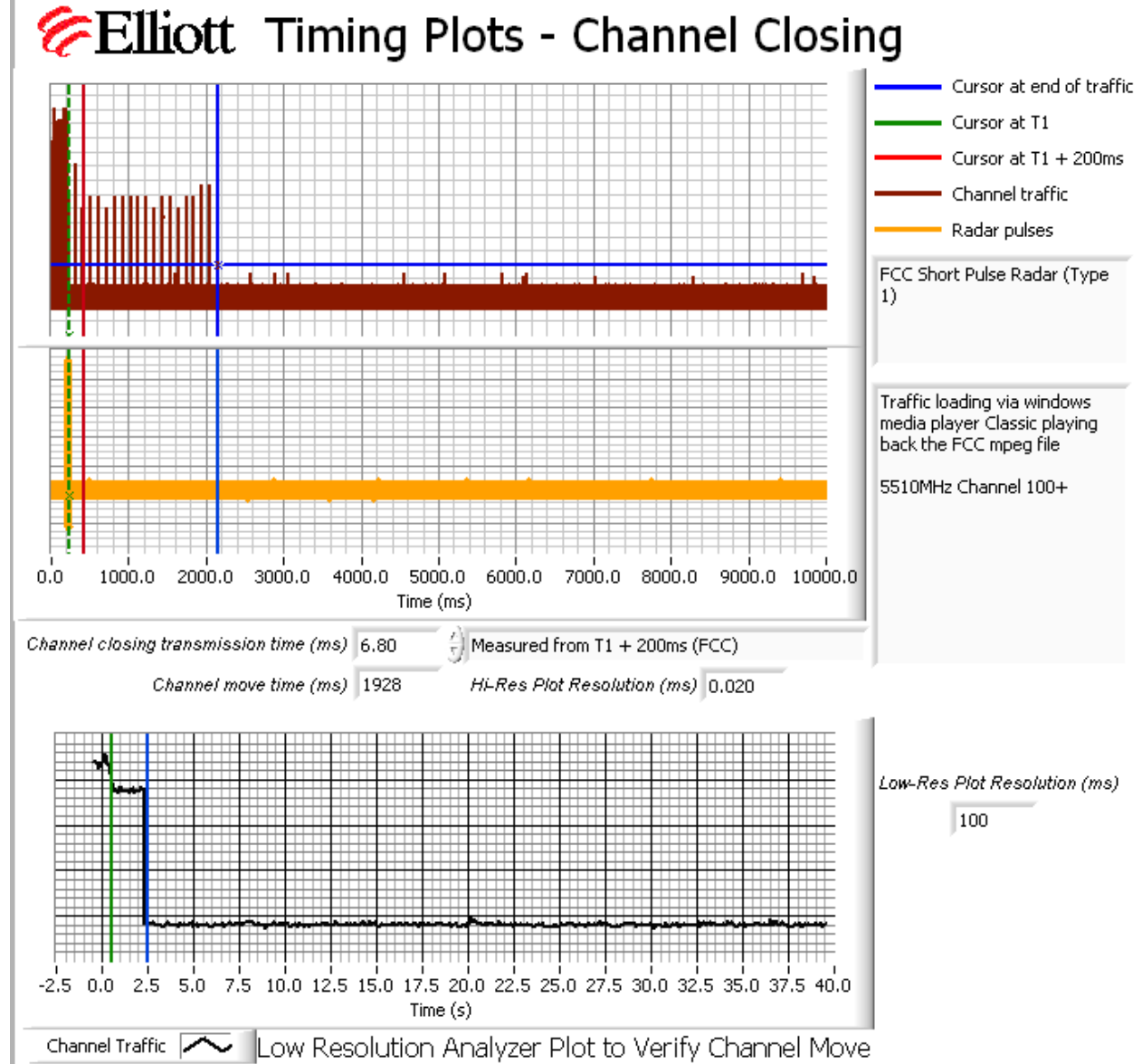


Figure 4 Channel Closing Time and Channel Move Time – 40 second plot, Type 1 (Master)

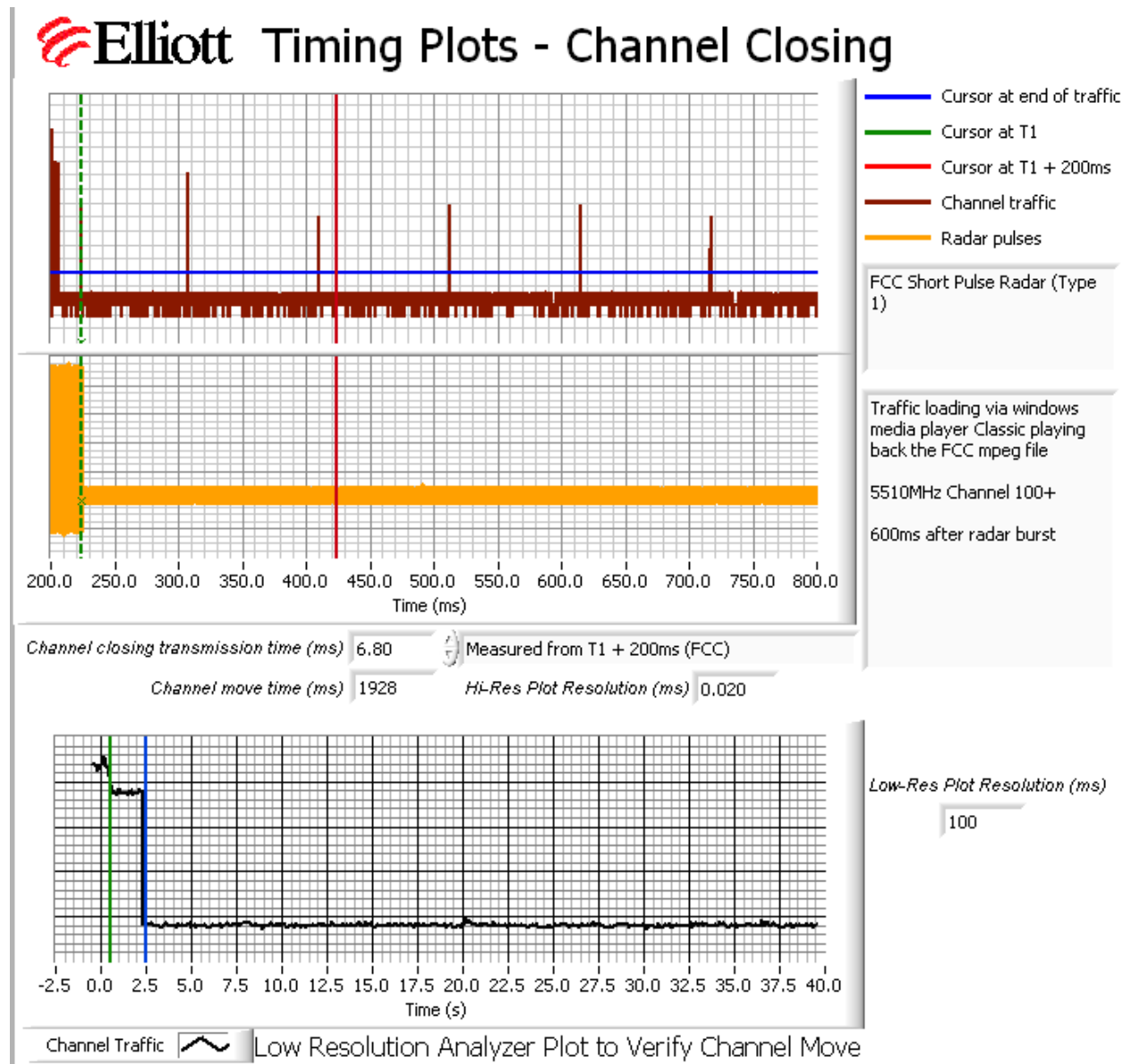


Figure 5 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, Type 1 (Master)

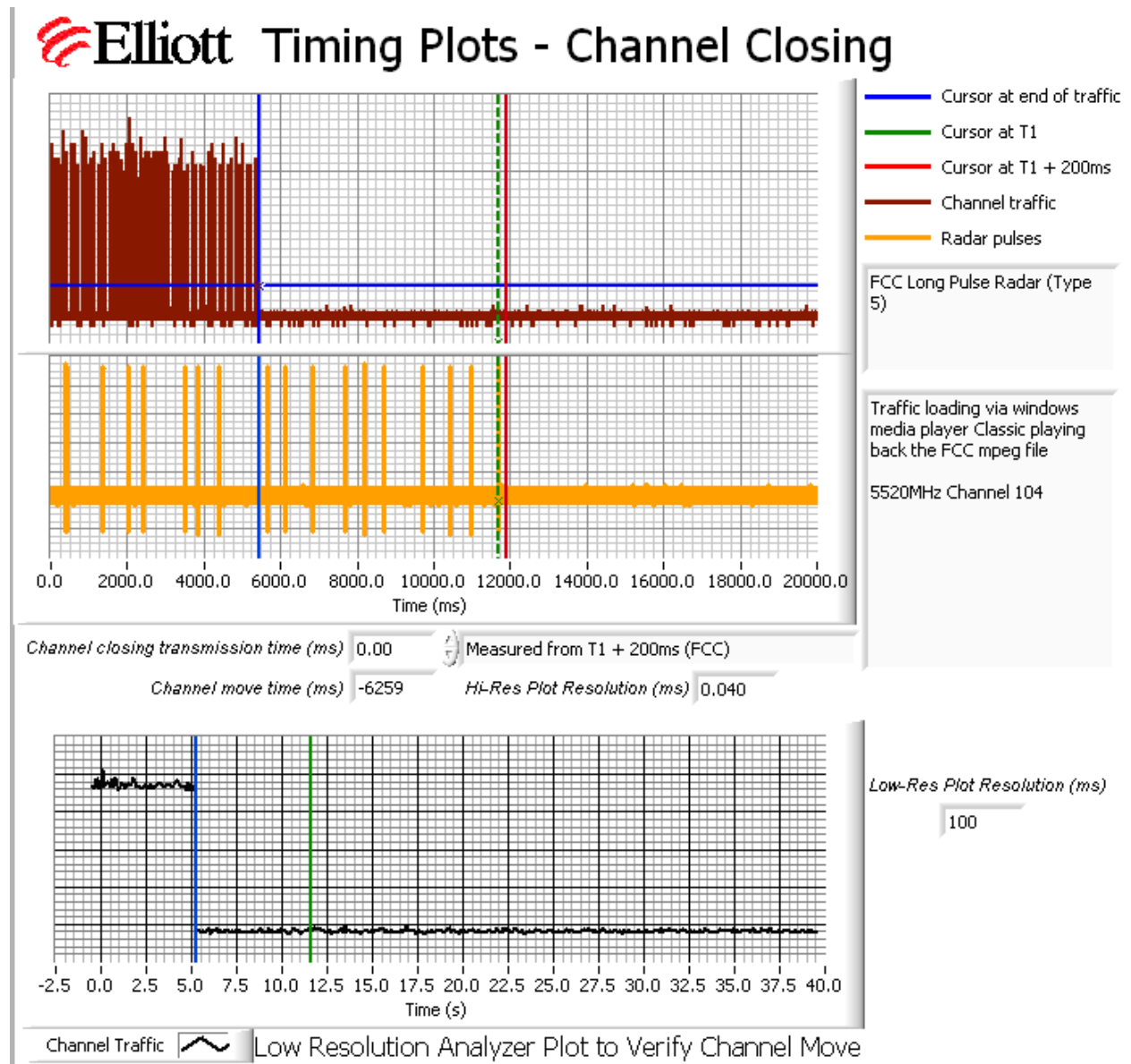


Figure 6 Channel Closing Time and Channel Move Time – 40 second plot, Type 5 (Master)

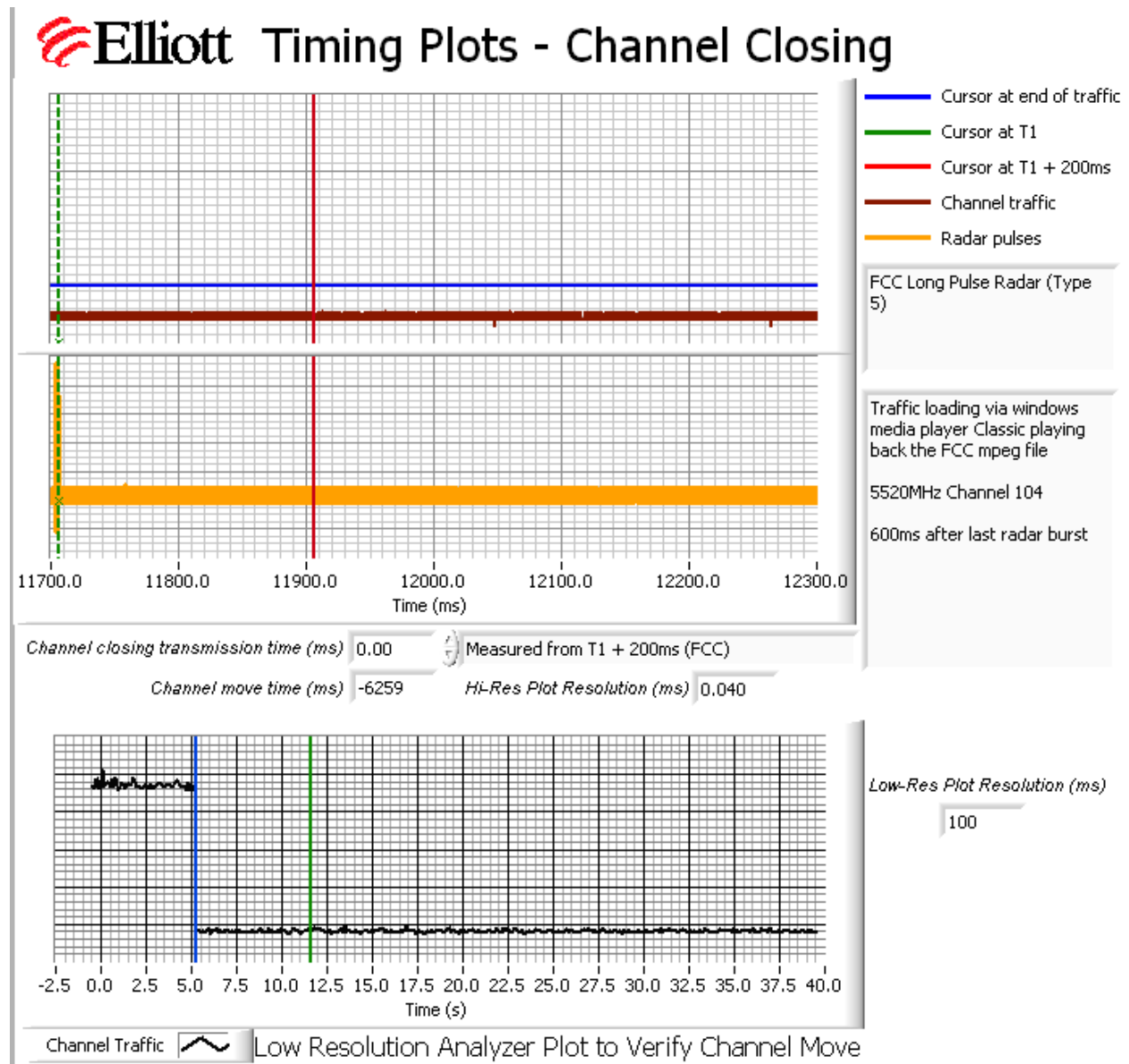


Figure 7 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, Type 5 (Master)

December 13, 2011

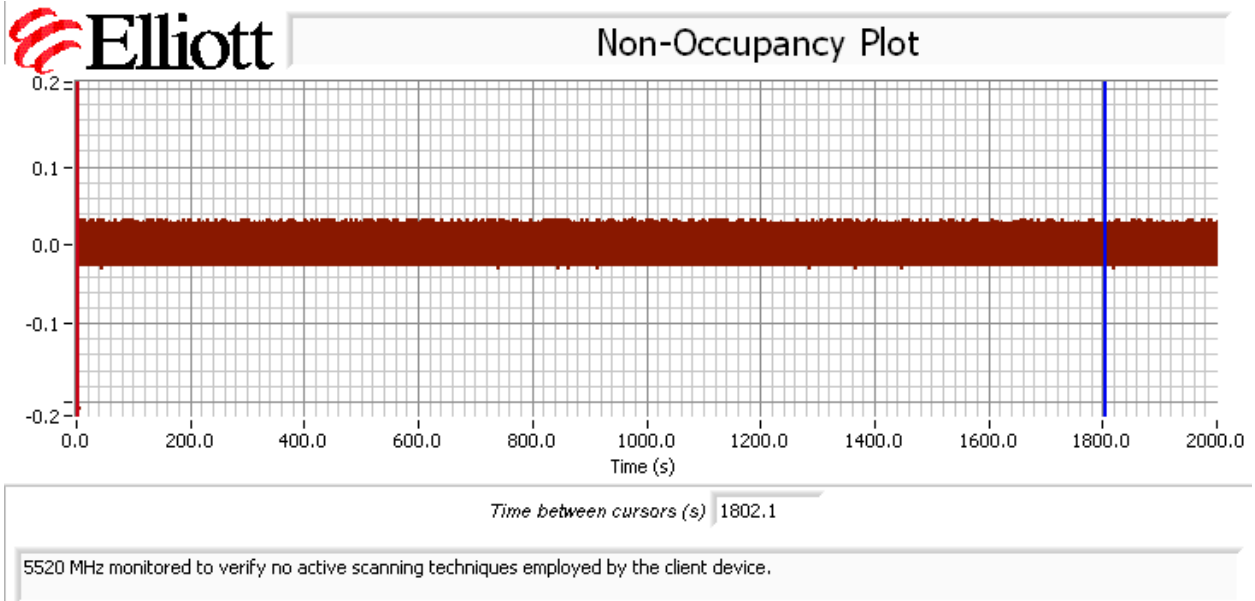
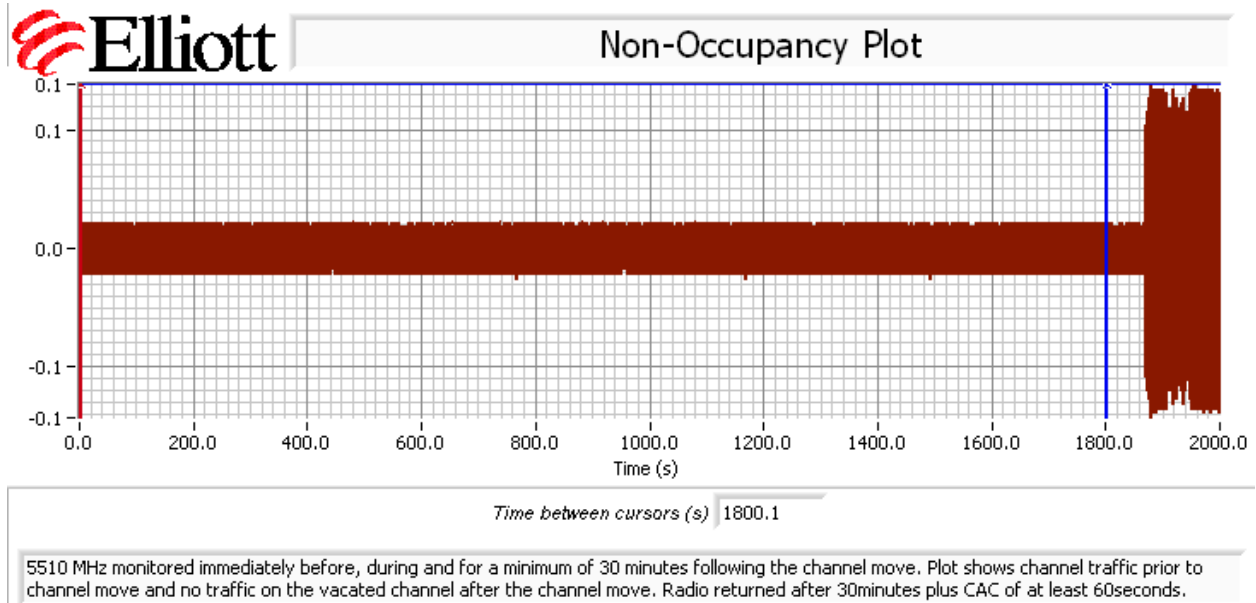


Figure 8 Radar Channel Non-Occupancy Plot (Client)

The non-occupancy plot was made over a 30-minute time period following the channel move time with the analyzer IF output connected to the scope and tuned to the vacated channel. No transmissions were observed after the channel move had been completed.

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**Figure 9 Radar Channel Non-Occupancy Plot**

The non-occupancy plot was made over a 30-minute time period following the channel move time with the analyzer IF output connected to the scope and tuned to the vacated channel. No transmissions were observed after the channel move had been completed; until thirty minutes had transpired plus a 70 second Channel Availability Check was performed on the primary channel.

Appendix D Test Data – Channel Availability Check

5250- 5350 MHz, 5470 – 5725 MHz

The first plot shows the first transmissions on a channel after restarting/power cycling the master device, with no radar applied during the CAC. The start of CAC is assumed to be 70 seconds before the first transmission as indicated by the green cursor line. Testing performed April 13, 2012 on Master Access Point.



Timing Plots - Channel Availability Check

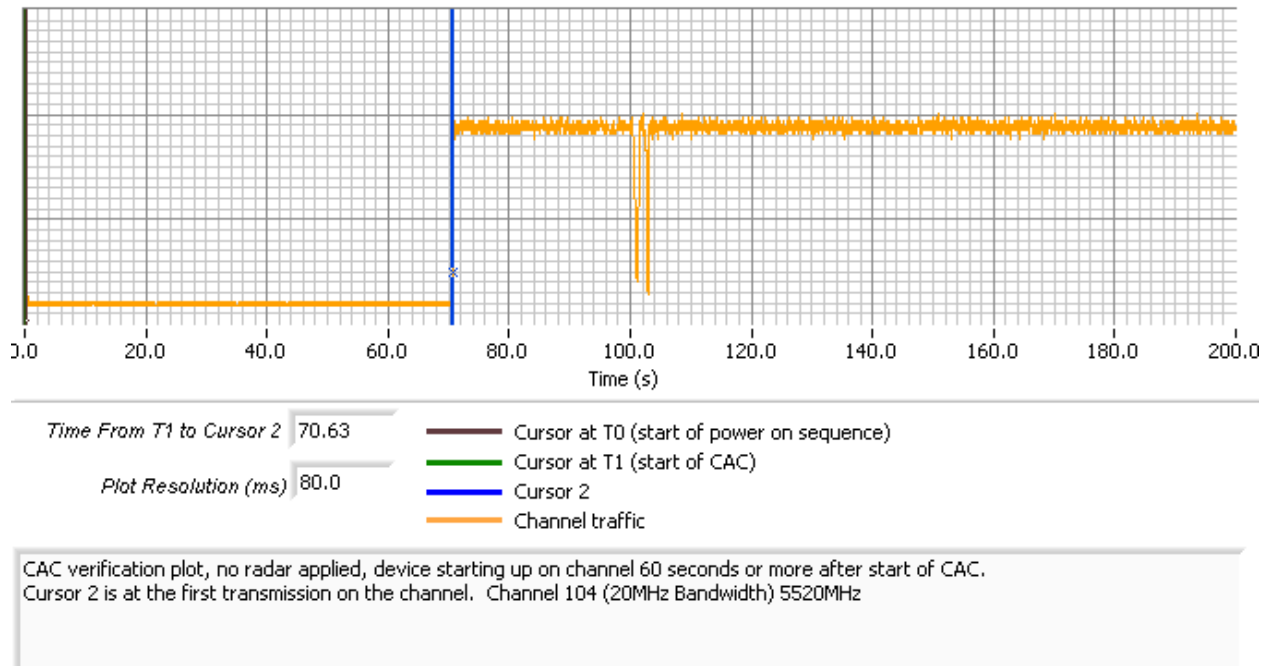


Figure 10 Plot of EUT Start-Up After CAC, 20MHz Bandwidth



Timing Plots - Channel Availability Check

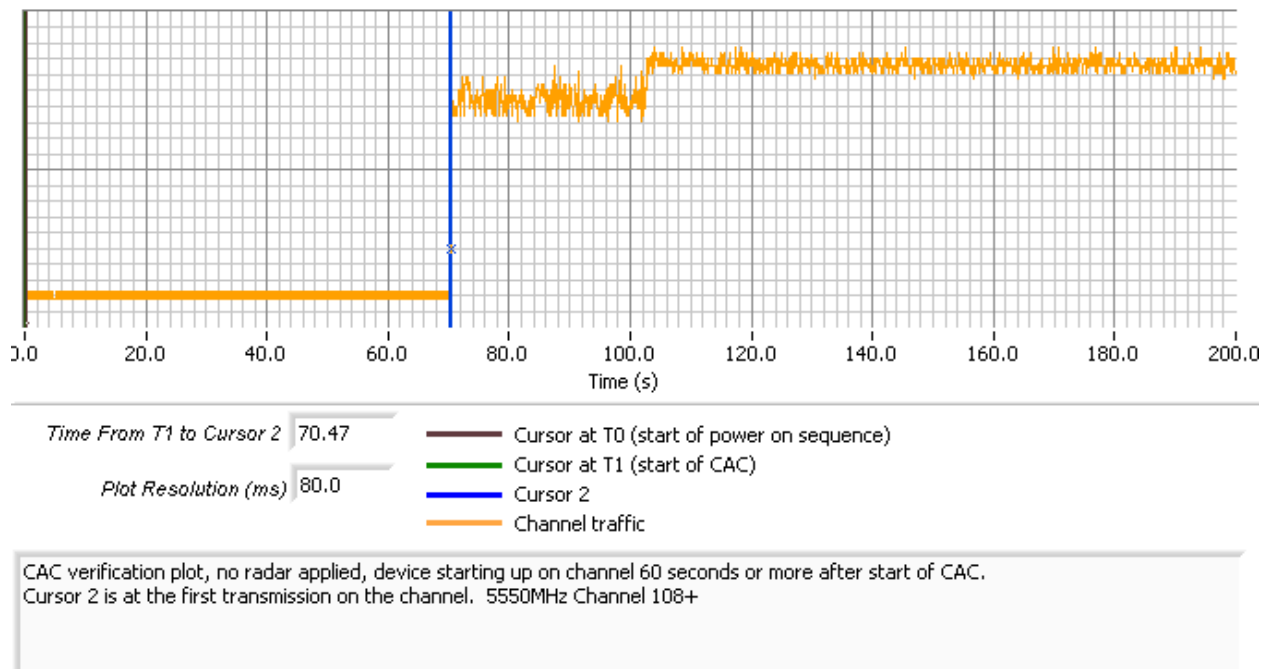


Figure 11 Plot of EUT Start-Up After CAC, 40MHz Bandwidth

The channel availability check (CAC) was made by applying type 1 radar during either the first 6 seconds or last 6 seconds of the CAC period.

The level of the radar signal applied was -64dBm. Measurements were made on channels 100 (5500 MHz), 104 (5520 MHz), 100+ (5510 MHz) and also on channel 108+ (5550 MHz).

The start time is the same for each of the plots and the green cursor is positioned to coincide with the start of the Channel Availability Check period based on the plot taken with no radar applied during the CAC.

The plots show that there were no transmissions on the channel after the radar burst was applied during the CAC, and confirm that the CAC is at least 60 seconds. The description of “Channel Traffic” in the plot legend indicates the transmissions from both the radar system and the EUT on the start-up channel. In all cases only the radar burst is observed. The resolution of the plot is not fine enough to resolve the individual pulses within the burst.



Timing Plots - Channel Availability Check

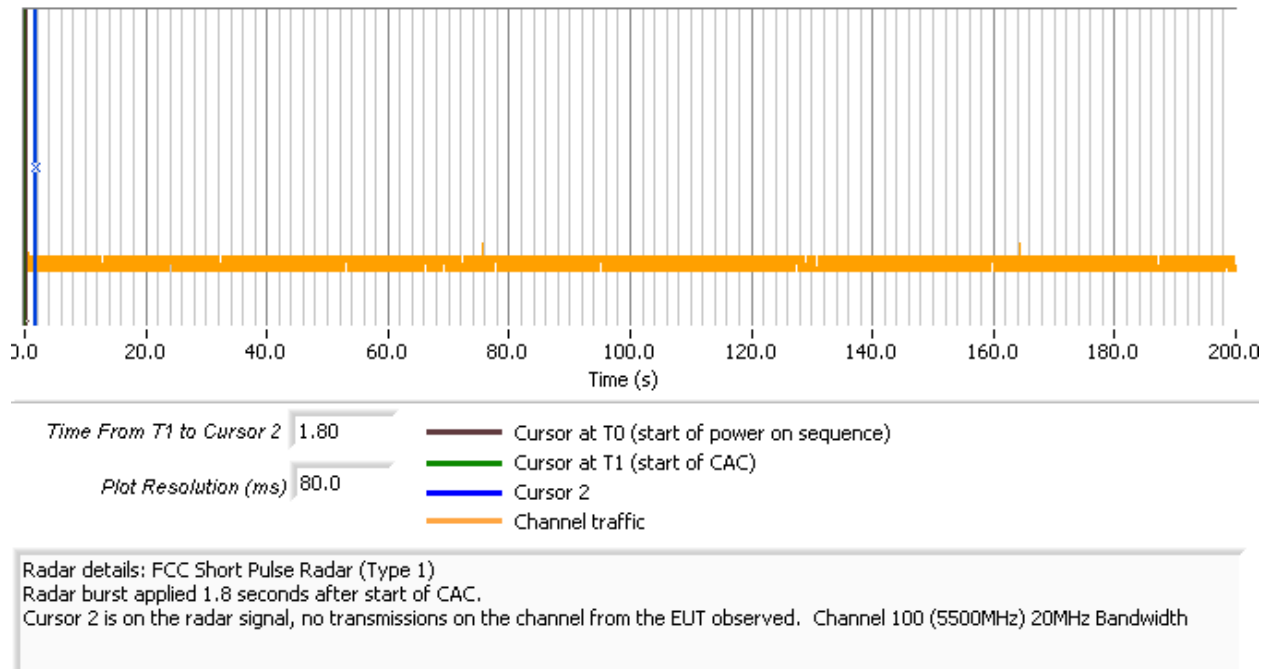


Figure 12 Radar Applied At Start of CAC (20MHz Bandwidth)



Timing Plots - Channel Availability Check

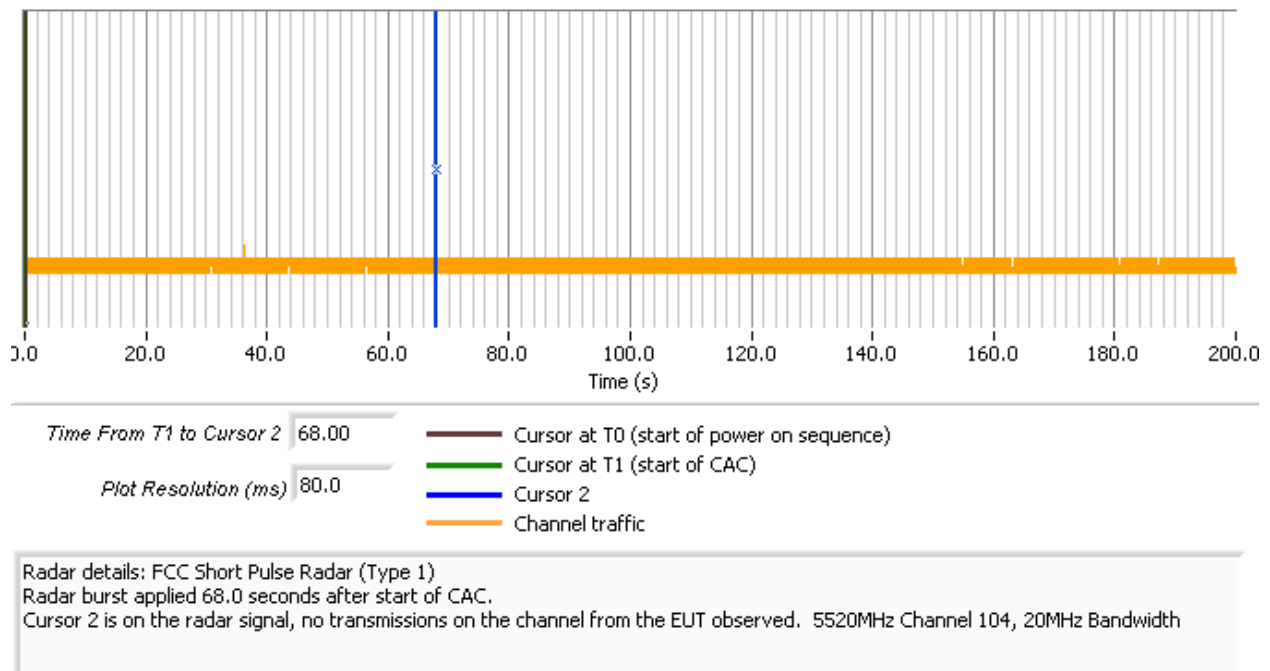


Figure 13 Radar Applied At End of CAC (20MHz Bandwidth)



Timing Plots - Channel Availability Check

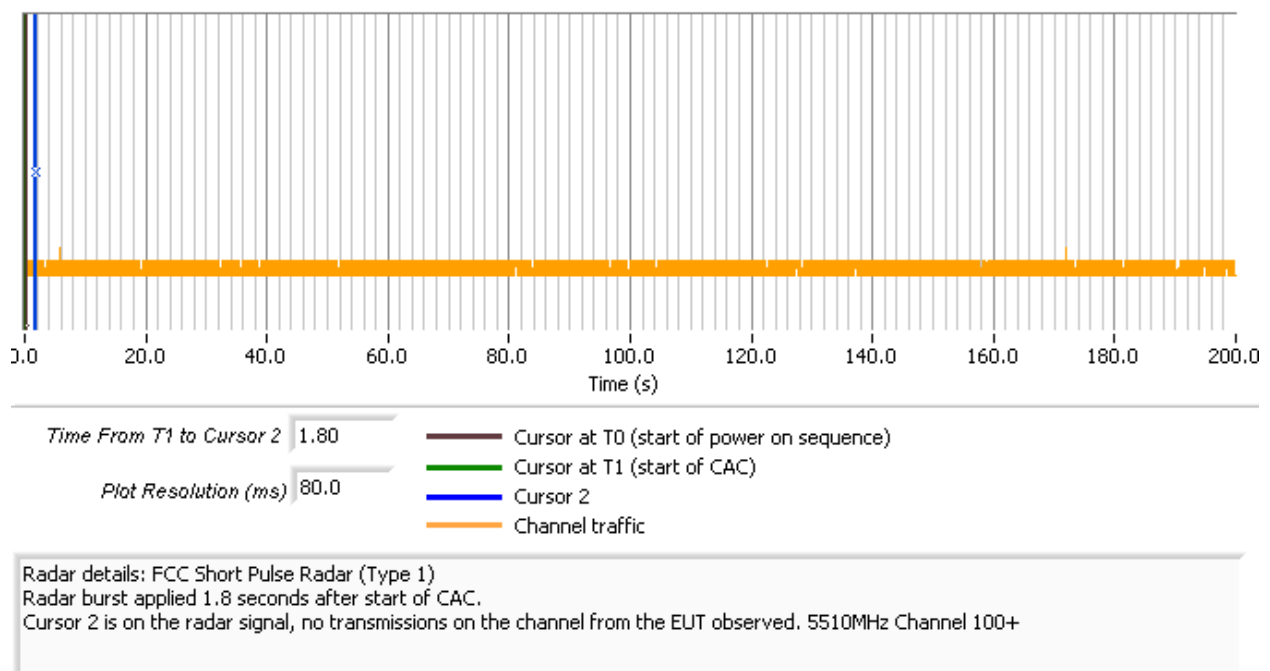


Figure 14 Radar Applied At Start of CAC (40MHz Bandwidth)



Timing Plots - Channel Availability Check

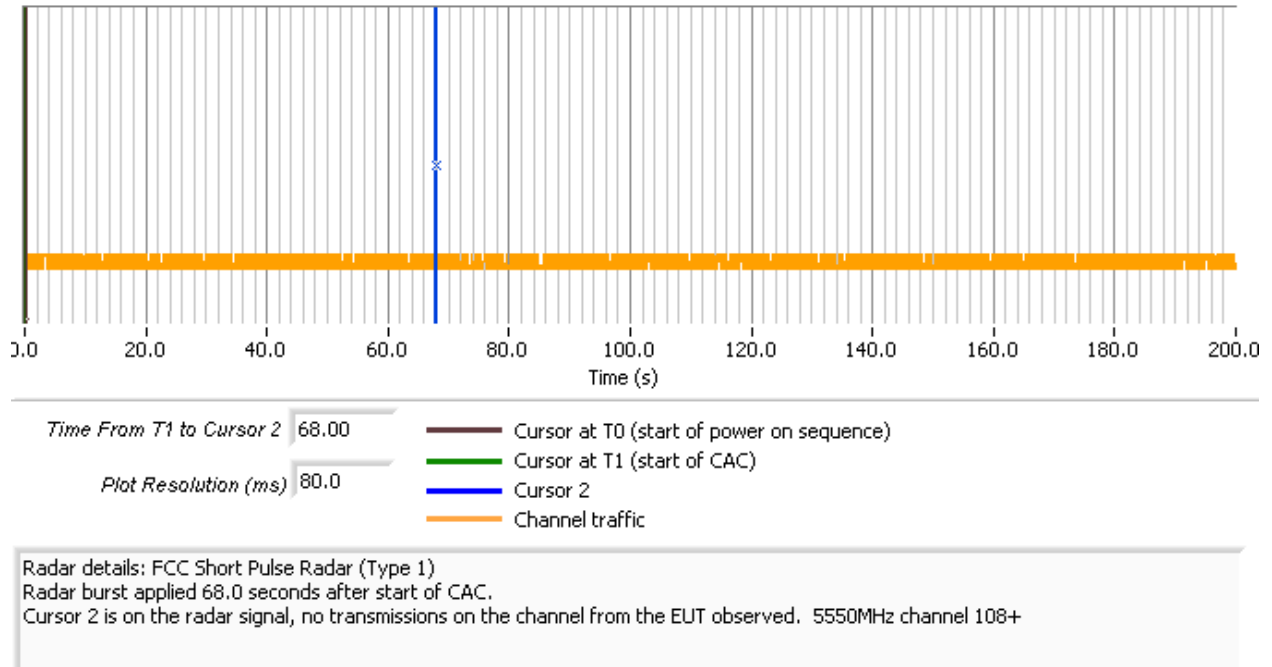
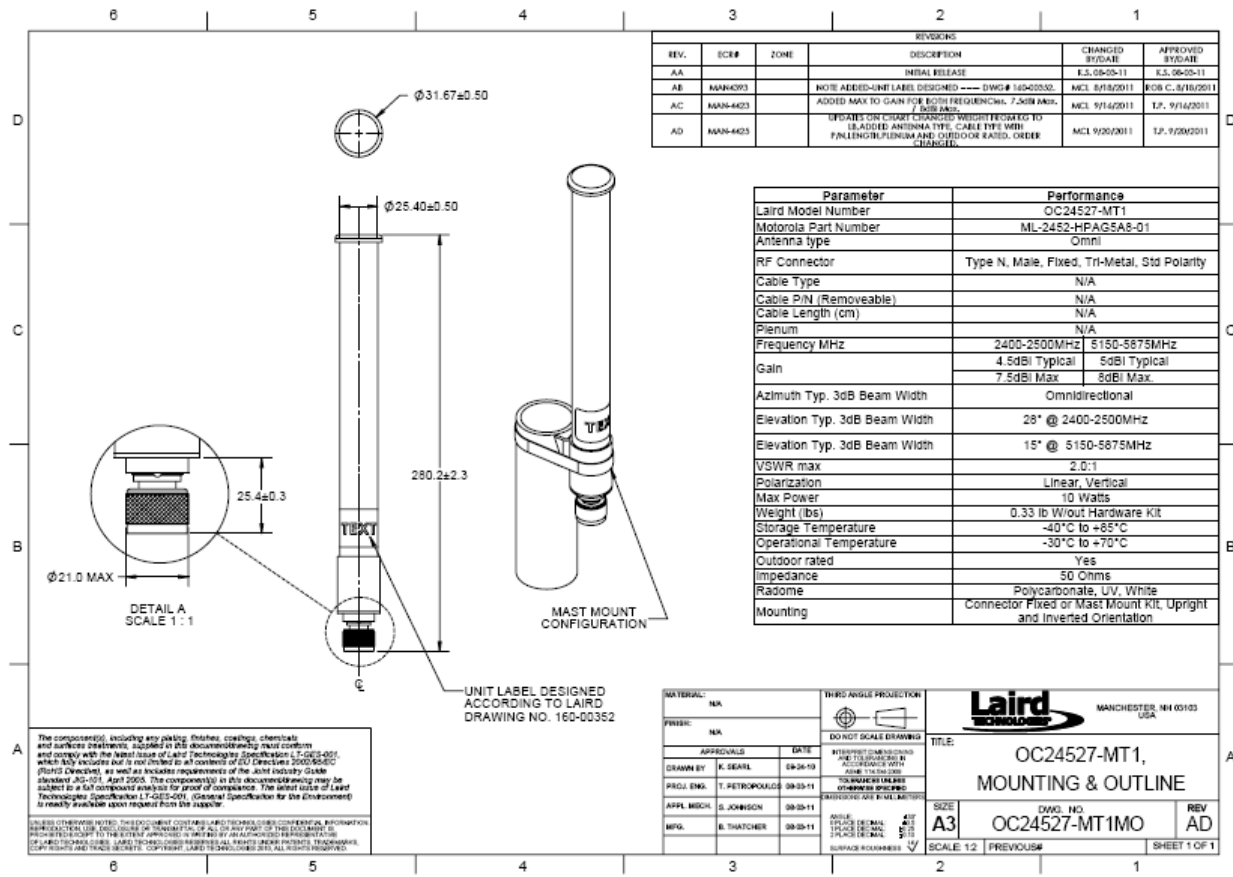


Figure 15 Radar Applied At End of CAC (40MHz Bandwidth)

Appendix E Antenna Specification



Appendix F Test Configuration Photograph(s)

December 13, 2011



April 13, 2012

