

TEST REPORT

*Covering the
DYNAMIC FREQUENCY SELECTION (DFS)
REQUIREMENTS
OF*

FCC Part 15 Subpart E (UNII)

*Avaya
Model(s): WLAN AP 8120*

COMPANY: Avaya
4655 Great America Parkway
Santa Clara, CA, 95054

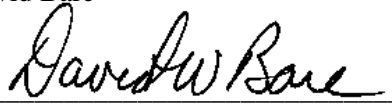
TEST SITE: Elliott Laboratories
41039 Boyce Road
Fremont, CA 94538

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TEST ENGINEER: David Bare

AUTHORIZED SIGNATORY:


David Bare
Chief Engineer



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REVISION HISTORY

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SCOPE

Test data has been taken pursuant to the relevant DFS requirements of the standard FCC Part 15 Subpart E, Unlicensed National Information Infrastructure (U-NII) 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 Avaya model WLAN AP 8120 and therefore apply only to the tested sample. The sample was selected and prepared by Vipin Naik of Avaya.

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 Avaya model WLAN AP 8120 complied with the DFS requirements of FCC Part 15.407(h)(2).

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.

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

The Avaya model WLAN AP 8120 is an 802.11abgn wireless router/access point that is designed to provide wireless connectivity for enterprise network systems.

The sample was received on April 4, 2011 and tested on June 30, 2011. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
Avaya	WLAN AP 8120	Access Point	Prototype

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

Operating Modes (5470 – 5725 MHz)

Master Device 5470-5725 MHz

Antenna Gains / EIRP (5470 – 5725 MHz)

	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	3.05
Highest Antenna Gain (dBi)	3.05
EIRP Output Power (dBm)	> 200 mW

Power can exceed 200mW eirp

Channel Protocol

- IP Based
 Frame Based
 OTHER _____

OTHER EUT DETAILS

The following EUT details should be noted: The EUT contains 2 abgn radio modules. One module is used for 2.4GHz operation and one module is used for 5GHz operation. Simultaneous transmission is possible, but never in the same band at the same time. The device supports 2x3 MIMO operation.

The WLAN AP8120 is a modified version of the WLAN AP 8120, approved under the same FCC ID. The internal antenna was removed and 6 reverse SMA connectors were mounted on the enclosure to allow for connection of external antennas.

ANTENNA SYSTEM

There are two external antennas to be included in this permissive change.

- 1) Laird, S24517PT, 3x3 Dual-Band Panel Antenna, 8dBi @ 2450MHz, 10.7dBi @ 5500MHz
- 2) Tyco, 1513461-1, 6 Element Mimo Antenna, 5.41dBi @ 2.4GHz, 5.91dBi @ 5.15GHz, 4.53dBi @ 5.35GHz, 5.55dBi @ 5.5GHz, 5.09dBi @ 5.725GHz. This antenna combined with 10 feet of coax cable with a loss of 2.5 dB results in an effective antenna gain of 3.41 dBi @ 5.15GHz, 2.03dBi @ 2.85GHz, 3.05dBi @ 5.5GHz, and 2.59dBi @ 5.725GHz.

The Tyco antenna is the same antenna that was originally mounted in the WLAN AP 8120. It has been repackaged as an external antenna. DFS testing was performed using the Tyco antenna as it is the lowest gain antenna.

ENCLOSURE

The EUT outer enclosure is primarily constructed of metal. It measures approximately 23.5 cm wide by 15 cm deep by 5.5 cm high.

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 local support equipment for testing:

Manufacturer	Model	Description	Serial Number	FCC ID
Dell	Latitude E5500	Laptop	-	-
PowerDsine	PowerDsine 9001G	POE Injector	D0945650000058BA00	-
<i>Dell</i>	<i>Inspiron 4150</i>	<i>Laptop</i>	-	-

The italicized device was the client device.

EUT INTERFACE PORTS

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

Port	Connected To	Cable(s)		
		Description	Shielded/ Unshielded	Length (m)
POE	POE Injector	CAT-5	Unshielded	7.0
Serial Port	USB/Serial Adapter to Laptop	CAT-5 to Serial	Unshielded	7.0

EUT OPERATION

The EUT was operating with the following software version loaded. The software is secured by password protection to prevent the user from disabling the DFS function.

Master Device: 1.1.0.122

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 directly after the boot sequence completed.

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 1 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 2 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 3 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

TEST RESULTS**TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE**

Table 4 FCC Part 15 Subpart E Master Device Test Result Summary (20 MHz mode)						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5540 MHz	60 s	≥ 60s	Appendix D	Pass
CAC Detection Threshold	Type 1	5540 MHz	-63dBm	-63dBm (See note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Types 1 through 6	5540 MHz	-63dBm	-63dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Varies	17 MHz	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5540 MHz	19.4 ms 0 ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5540 MHz	3.97 s 0 s	≤ 10s	Appendix C	Pass
Non-occupancy period	-	5540 MHz	> 30 min.	> 30 minutes	Appendix C	Pass
Uniform Loading		-	-	Uniform Loading	Refer to operational description	Pass

Table 5 FCC Part 15 Subpart E Master Device Test Result Summary (40 MHz mode)						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5550 MHz	> 60 s	≥ 60s	Appendix D	Pass
CAC Detection Threshold	Type 1	5550 MHz	-63dBm	-63dBm (See note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Types 1 through 6	5550 MHz	-63dBm	-63dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Varies	37 MHz	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5550 MHz	22.2 ms 0 ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5550 MHz	4.10 s 0 s	≤ 10s	Appendix C	Pass
Non-occupancy period	-	5550 MHz	> 30 min.	> 30 minutes	Appendix C	Pass
Uniform Loading		-	-	Uniform Loading	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 3.0 dBi. The limit is based on an eirp of more than 23 dBm. Testing utilized the 1dB allowance provided by the FCC per Note 2 of Table 3 of FCC-06-96.
- 3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.

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

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.

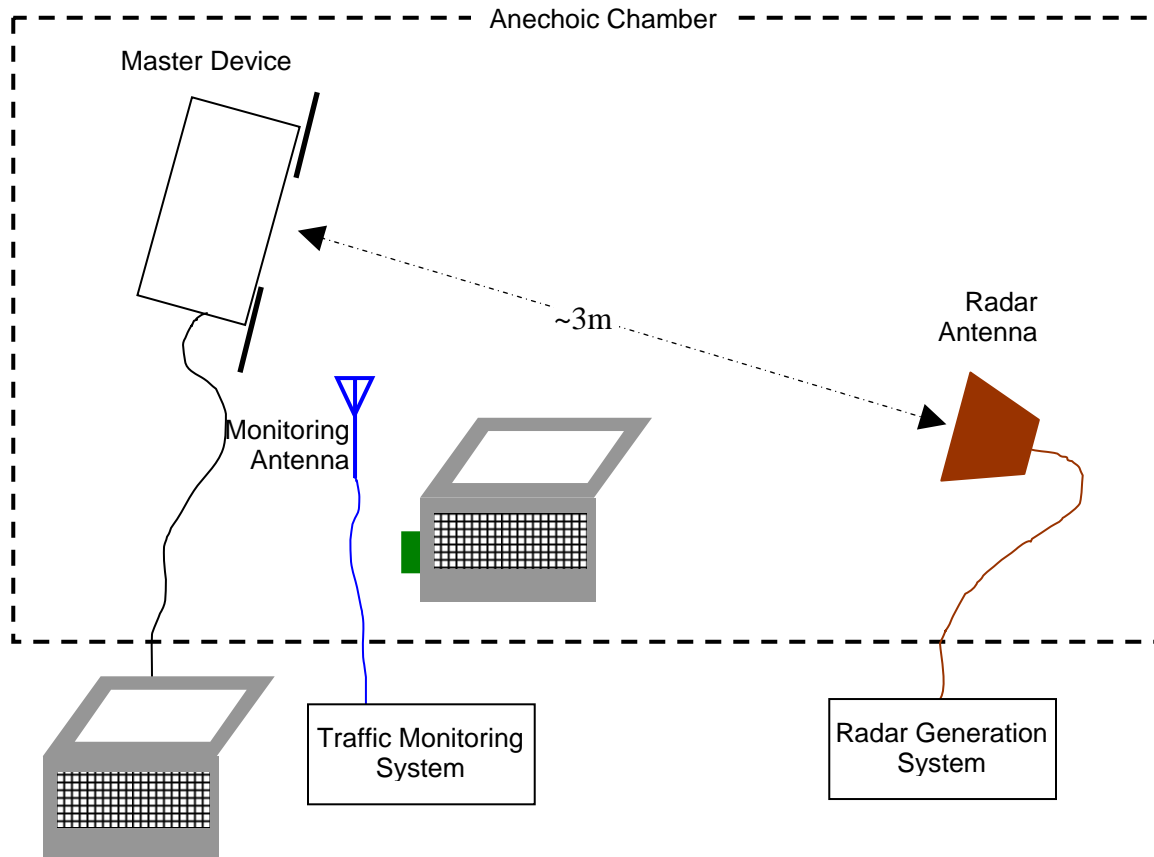


Figure 1 Test Configuration for radiated Measurement Method

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 RADAR DETECTION BANDWIDTH

The radar detection bandwidth is determined by using FCC radar waveform 1 and applying radar pulses at offsets from the center channel frequency by multiples of 1MHz. These bursts are applied with no traffic on the channel. The first frequencies above and below the center channel frequency that have a detection rate below 90% define the radar bandwidth, the actual range being 1MHz below the upper frequency and 1MHz above the lower frequency.

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.

ETSI – 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.

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 60 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 58 and 60 seconds after the start of CAC when evaluating a 60-second CAC) of the channel availability check.

UNIFORM LOADING

Compliance with the FCC's channel loading requirement is demonstrated through the manufacturer's operational description for the device under test.

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.

In the case of the FCC requirements, for radar waveform types 1 through 4 an additional calculation is made to determine the average detection probability over all four radar waveform types. This calculation is the arithmetic mean of the four individual probabilities.

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

<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	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	29-Sep-11

Appendix B Test Data Tables for Radar Detection Probability

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	90.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	80.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	80.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	73.3 %	60.0 %	30	PASSED
Aggregate of above results	80.8 %	80.0 %	120	PASSED
Long Sequence	86.7 %	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	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:10:53 PM)
2	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:11:04 PM)
3	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:11:13 PM)
4	18	1.0	1428.0	No	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:11:20 PM)
5	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:11:32 PM)
6	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:11:40 PM)
7	18	1.0	1428.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:11:47 PM)
8	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:11:54 PM)
9	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:12:02 PM)
10	18	1.0	1428.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:12:09 PM)
11	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:12:16 PM)
12	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:12:23 PM)
13	18	1.0	1428.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:12:30 PM)
14	18	1.0	1428.0	No	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:12:37 PM)
15	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:12:47 PM)
16	18	1.0	1428.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:12:54 PM)
17	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:13:01 PM)
18	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:13:09 PM)
19	18	1.0	1428.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:13:17 PM)

Table 7 - FCC Short Pulse Radar (Type 1) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
20	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:13:24 PM)
21	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:13:31 PM)
22	18	1.0	1428.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:13:39 PM)
23	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:13:46 PM)
24	18	1.0	1428.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:13:54 PM)
25	18	1.0	1428.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:14:07 PM)
26	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:14:15 PM)
27	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:14:23 PM)
28	18	1.0	1428.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:14:32 PM)
29	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:14:40 PM)
30	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:14:47 PM)

Table 8 - 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	26	2.0	199.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:26:51 PM)
2	26	2.6	216.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:27:02 PM)
3	23	2.6	207.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:27:09 PM)
4	27	5.0	166.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:27:17 PM)
5	24	1.2	218.0	No	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:27:26 PM)
6	23	1.2	212.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:27:37 PM)
7	29	5.0	154.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:27:51 PM)
8	24	1.9	194.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:27:59 PM)
9	28	4.8	201.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:28:06 PM)
10	24	2.8	220.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:28:13 PM)
11	29	2.1	166.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:28:20 PM)
12	29	2.2	160.0	No	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:28:27 PM)
13	28	1.1	189.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:28:38 PM)
14	23	4.6	185.0	Yes	5535.0MHz,	Single burst (06/30/2011 02:28:48 PM)

Table 8 - FCC Short Pulse Radar (Type 2) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-63.0dBm	PM)
15	25	4.5	223.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:28:57 PM)
16	24	3.0	154.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:29:04 PM)
17	26	1.8	201.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:29:12 PM)
18	24	3.9	174.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:29:19 PM)
19	23	4.1	209.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:29:26 PM)
20	26	4.9	177.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:29:35 PM)
21	28	4.9	159.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:29:42 PM)
22	26	4.3	153.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:29:50 PM)
23	27	4.6	152.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:30:00 PM)
24	25	3.0	159.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:30:11 PM)
25	23	4.2	179.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:30:28 PM)
26	26	3.6	157.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:30:38 PM)
27	25	4.1	161.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:30:50 PM)
28	23	1.1	218.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:31:02 PM)
29	27	4.0	202.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:31:12 PM)
30	28	3.8	193.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:31:20 PM)

Table 9 - 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	17	9.4	344.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:32:50 PM)
2	17	8.9	442.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:33:05 PM)
3	18	9.2	387.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:33:24 PM)
4	17	6.8	388.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:33:38 PM)
5	16	8.7	299.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:33:48 PM)
6	18	9.0	395.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:34:00 PM)
7	16	6.2	231.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:34:11 PM)
8	17	8.3	307.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:34:26 PM)

Table 9 - FCC Short Pulse Radar (Type 3) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
9	17	8.3	320.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:34:36 PM)
10	18	9.8	286.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:34:47 PM)
11	16	9.2	232.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:35:03 PM)
12	17	6.4	259.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:35:13 PM)
13	17	10.0	365.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:35:22 PM)
14	17	8.7	496.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:35:35 PM)
15	17	8.6	360.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:35:46 PM)
16	16	9.6	474.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:35:58 PM)
17	16	9.7	452.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:36:15 PM)
18	17	7.3	489.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:36:28 PM)
19	17	7.4	286.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:36:39 PM)
20	16	9.1	223.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:36:47 PM)
21	16	8.0	359.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:36:56 PM)
22	17	8.3	394.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:39:33 PM)
23	17	9.3	399.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:39:47 PM)
24	17	7.9	342.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:39:57 PM)
25	17	8.3	404.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:40:06 PM)
26	16	6.4	483.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:40:18 PM)
27	17	7.2	296.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:40:32 PM)
28	16	6.4	322.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:40:42 PM)
29	18	6.9	496.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:40:58 PM)
30	16	6.2	331.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:41:20 PM)

Table 10 - 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	16	16.6	230.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:51:15 PM)
2	14	14.8	283.0	No	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:51:28 PM)

Table 10 - FCC Short Pulse Radar (Type 4) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	15	18.3	340.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:51:43 PM)
4	15	11.8	499.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:51:51 PM)
5	15	12.3	368.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:52:27 PM)
6	15	14.7	333.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:52:36 PM)
7	13	16.8	433.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:52:45 PM)
8	13	11.1	452.0	No	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:52:53 PM)
9	14	14.9	357.0	No	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:53:03 PM)
10	14	16.0	284.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:53:14 PM)
11	15	18.9	453.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:53:40 PM)
12	15	15.4	249.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:53:49 PM)
13	14	15.8	438.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:54:02 PM)
14	13	17.4	303.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:54:10 PM)
15	13	19.4	498.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:54:23 PM)
16	16	13.6	220.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:54:31 PM)
17	16	17.3	261.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:54:43 PM)
18	14	14.3	259.0	No	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:54:52 PM)
19	14	15.7	325.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:55:02 PM)
20	15	12.7	223.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:55:15 PM)
21	13	13.3	326.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:55:29 PM)
22	13	14.7	447.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:55:37 PM)
23	13	11.1	205.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:55:46 PM)
24	12	15.4	437.0	No	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:55:53 PM)
25	12	12.7	434.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:56:04 PM)
26	15	11.4	291.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:56:13 PM)
27	14	15.2	309.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:56:22 PM)
28	13	15.7	428.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 02:56:30 PM)
29	15	16.6	315.0	Yes	5535.0MHz, -63.0dBm	Single burst (06/30/2011 02:56:39 PM)

Table 10 - FCC Short Pulse Radar (Type 4) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
30	15	15.4	259.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 02:56:48 PM)

Table 11 - Long Sequence Waveform Summary 20MHz

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5540.0MHz, -63.0dBm
Trial #2	Detected	5535.0MHz, -63.0dBm
Trial #3	Detected	5545.0MHz, -63.0dBm
Trial #4	NOT Detected	5540.0MHz, -63.0dBm
Trial #5	Detected	5535.0MHz, -63.0dBm
Trial #6	NOT Detected	5545.0MHz, -63.0dBm
Trial #7	Detected	5540.0MHz, -63.0dBm
Trial #8	NOT Detected	5535.0MHz, -63.0dBm
Trial #9	Detected	5545.0MHz, -63.0dBm
Trial #10	Detected	5540.0MHz, -63.0dBm
Trial #11	NOT Detected	5535.0MHz, -63.0dBm
Trial #12	Detected	5545.0MHz, -63.0dBm
Trial #13	Detected	5540.0MHz, -63.0dBm
Trial #14	Detected	5535.0MHz, -63.0dBm
Trial #15	Detected	5545.0MHz, -63.0dBm
Trial #16	Detected	5540.0MHz, -63.0dBm
Trial #17	Detected	5535.0MHz, -63.0dBm
Trial #18	Detected	5545.0MHz, -63.0dBm
Trial #19	Detected	5540.0MHz, -63.0dBm
Trial #20	Detected	5535.0MHz, -63.0dBm
Trial #21	Detected	5545.0MHz, -63.0dBm
Trial #22	Detected	5540.0MHz, -63.0dBm
Trial #23	Detected	5535.0MHz, -63.0dBm
Trial #24	Detected	5545.0MHz, -63.0dBm

Table 11 - Long Sequence Waveform Summary 20MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #25	Detected	5540.0MHz, -63.0dBm
Trial #26	Detected	5535.0MHz, -63.0dBm
Trial #27	Detected	5545.0MHz, -63.0dBm
Trial #28	Detected	5540.0MHz, -63.0dBm
Trial #29	Detected	5535.0MHz, -63.0dBm
Trial #30	Detected	5545.0MHz, -63.0dBm

Table 12 - 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 (us)
1	2	97.6	13	1360.0	-	0.187062
2	2	72.5	6	1419.0	-	1.500872
3	3	99.5	12	1101.0	1212.0	2.436392
4	1	52.6	18	-	-	3.091743
5	2	90.9	12	1844.0	-	4.266550
6	1	76.8	19	-	-	4.523974
7	1	85.4	17	-	-	5.288667
8	3	60.1	6	1130.0	1482.0	6.089325
9	2	59.0	8	1961.0	-	7.242041
10	3	59.7	11	1470.0	1437.0	8.275514
11	1	82.2	6	-	-	8.977529
12	1	55.6	20	-	-	9.513720
13	3	85.4	13	1241.0	1493.0	10.489196
14	2	74.0	20	1242.0	-	11.720538

Table 13 - 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 (us)
1	1	55.1	5	-	-	0.812789
2	2	75.7	20	1445.0	-	1.309086
3	2	91.7	12	1347.0	-	2.998392
4	1	71.2	19	-	-	3.513452
5	2	81.8	9	1455.0	-	4.887299
6	2	93.2	15	1557.0	-	5.975682
7	3	71.6	13	1711.0	1071.0	6.378711
8	1	54.7	19	-	-	7.396169
9	2	65.1	7	1611.0	-	8.860126
10	1	85.2	5	-	-	9.001418
11	3	68.7	6	1198.0	1580.0	10.811069
12	2	89.1	18	1163.0	-	11.295103

Table 14 - 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 (us)

Table 14 - 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 (us)
1	1	98.6	11	-	-	0.193013
2	1	86.2	17	-	-	0.973658
3	1	75.8	9	-	-	1.318574
4	2	67.7	5	1827.0	-	2.108998
5	2	55.9	6	1878.0	-	3.141766
6	3	84.0	17	1633.0	1869.0	3.341059
7	3	60.7	17	1278.0	1806.0	3.790348
8	1	66.6	7	-	-	4.905440
9	2	73.7	9	1832.0	-	5.383159
10	2	75.0	20	1705.0	-	6.123412
11	3	85.6	8	1023.0	1719.0	6.708820
12	2	60.3	6	1297.0	-	7.082231
13	2	88.8	13	1086.0	-	7.708777
14	2	86.1	14	1046.0	-	8.538264
15	3	73.3	15	1396.0	1984.0	9.370356
16	2	79.9	15	1299.0	-	9.905889
17	1	88.6	10	-	-	10.507585
18	1	98.6	17	-	-	10.984629
19	1	51.1	7	-	-	11.524520

Table 15 - 20MHz Long Sequence Waveform Trial#4 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	80.7	13	1535.0	-	0.123042
2	2	70.0	10	1673.0	-	1.767854
3	3	63.1	14	1956.0	1539.0	4.009212
4	2	67.5	18	1135.0	-	5.220505
5	3	54.2	15	1739.0	1309.0	7.216140
6	3	77.1	15	1762.0	1772.0	8.273270
7	3	92.3	12	1082.0	1663.0	10.468001
8	1	58.7	5	-	-	10.792542

Table 16 - 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 (us)
1	3	63.1	6	1970.0	1180.0	0.256044
2	3	51.1	11	1235.0	1269.0	0.771850
3	2	67.4	6	1600.0	-	1.560667
4	2	76.5	13	1453.0	-	2.484358
5	3	87.8	9	1950.0	1086.0	3.209910
6	1	65.2	5	-	-	3.697650
7	2	58.7	19	1799.0	-	4.845810
8	3	96.4	17	1044.0	1889.0	5.274245
9	1	81.8	12	-	-	5.733161
10	2	82.6	11	1755.0	-	6.859243
11	2	54.1	10	1405.0	-	7.597903
12	1	85.7	13	-	-	7.839705
13	2	66.4	7	1811.0	-	8.799183
14	2	69.0	13	1622.0	-	9.313135
15	1	92.9	19	-	-	10.105729

Table 16 - 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 (us)
16	2	96.9	15	1691.0	-	10.740379
17	1	59.9	11	-	-	11.767288

Table 17 - 20MHz Long Sequence Waveform Trial#6 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	77.8	7	-	-	0.212156
2	1	57.2	16	-	-	1.220653
3	1	79.1	12	-	-	3.354564
4	1	94.1	7	-	-	3.793269
5	1	74.9	17	-	-	5.687341
6	2	68.5	14	1156.0	-	6.679627
7	3	99.0	15	1306.0	1334.0	7.245274
8	3	66.0	16	1794.0	1091.0	9.287385
9	2	68.1	10	1448.0	-	10.739950
10	1	56.6	5	-	-	11.467657

Table 18 - 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 (us)
1	3	85.9	19	1893.0	1350.0	0.182971
2	2	98.5	10	1816.0	-	1.264651
3	3	94.0	19	1779.0	1648.0	1.546911
4	2	71.3	9	1871.0	-	2.155516
5	2	69.9	12	1567.0	-	2.946675
6	2	90.0	11	1690.0	-	3.787020
7	2	78.8	6	1168.0	-	4.071243
8	1	81.4	12	-	-	4.674854
9	2	71.8	15	1792.0	-	5.527093
10	2	64.0	12	1796.0	-	6.435417
11	3	54.1	5	1328.0	1798.0	6.690945
12	3	75.9	13	1464.0	1459.0	7.611656
13	2	77.3	6	1049.0	-	8.342841
14	1	84.7	7	-	-	8.996538
15	1	60.1	15	-	-	9.774266
16	2	76.3	6	1233.0	-	10.416265
17	1	82.2	20	-	-	11.122344
18	1	67.6	7	-	-	11.469778

Table 19 - 20MHz Long Sequence Waveform Trial#8 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	55.9	12	-	-	0.319321
2	2	58.0	16	1238.0	-	1.174774
3	2	64.5	13	1119.0	-	1.917713
4	1	54.8	11	-	-	2.241066
5	3	59.6	16	1834.0	1203.0	3.100015
6	3	74.1	6	1271.0	1831.0	3.479653
7	2	90.5	16	1244.0	-	4.267994

Table 19 - 20MHz Long Sequence Waveform Trial#8 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
8	2	64.9	20	1353.0	-	4.958884
9	3	63.3	15	1802.0	1795.0	5.772477
10	2	76.3	16	1131.0	-	6.364523
11	2	65.4	14	1475.0	-	6.911899
12	2	57.0	13	1515.0	-	7.866501
13	2	67.6	17	1725.0	-	8.224181
14	1	90.9	11	-	-	8.993262
15	3	76.6	11	1404.0	1492.0	9.485943
16	2	98.8	12	1897.0	-	10.661797
17	3	94.1	20	1347.0	1192.0	10.936026
18	2	80.8	8	1399.0	-	11.585063

Table 20 - 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 (us)
1	2	80.4	18	1586.0	-	0.536206
2	2	72.7	15	1650.0	-	0.977246
3	3	84.5	10	1951.0	1951.0	1.547571
4	2	52.7	9	1922.0	-	2.011567
5	2	69.0	17	1773.0	-	2.956535
6	2	50.0	19	1201.0	-	3.589492
7	1	80.7	8	-	-	4.370657
8	2	85.7	20	1876.0	-	5.016887
9	1	75.4	13	-	-	5.620636
10	3	95.8	10	1045.0	1946.0	6.051060
11	2	93.9	19	1996.0	-	6.742147
12	2	75.3	19	1332.0	-	7.250059
13	3	50.3	17	1072.0	1129.0	8.083679
14	3	92.0	17	1549.0	1486.0	8.632142
15	3	99.2	12	1340.0	1885.0	9.121109
16	2	71.0	6	1152.0	-	9.566233
17	3	89.2	10	1493.0	1312.0	10.337435
18	3	73.7	18	1727.0	1922.0	10.908724
19	2	50.7	12	1688.0	-	11.754977

Table 21 - 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 (us)
1	2	80.8	19	1945.0	-	0.669941
2	3	71.1	10	1803.0	1075.0	0.785733
3	1	50.6	8	-	-	1.679208
4	2	86.5	11	1055.0	-	2.411985
5	2	88.7	5	1549.0	-	2.872291
6	1	51.7	18	-	-	3.927529
7	2	97.4	17	1306.0	-	4.644069
8	2	82.0	18	1656.0	-	5.580151
9	2	63.4	13	1828.0	-	5.704875
10	2	74.5	6	1994.0	-	6.605121
11	2	68.0	14	1475.0	-	7.181703
12	2	69.6	6	1637.0	-	8.158495

Table 21 - 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 (us)
13	2	82.7	13	1085.0	-	8.649949
14	2	95.2	12	1253.0	-	9.672220
15	2	86.6	18	1748.0	-	9.997468
16	2	93.7	19	1587.0	-	10.639200
17	3	98.5	11	1991.0	1335.0	11.786103

Table 22 - 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 (us)
1	2	91.7	10	1556.0	-	0.820595
2	1	71.2	7	-	-	2.085244
3	2	74.6	14	1540.0	-	2.542636
4	1	81.2	12	-	-	3.577354
5	2	68.9	14	1335.0	-	4.384781
6	2	62.4	11	1574.0	-	5.706550
7	3	58.2	11	1125.0	1472.0	7.396565
8	2	71.3	18	1020.0	-	8.396963
9	3	79.2	16	1239.0	1340.0	9.411544
10	3	99.5	10	1818.0	1907.0	10.459848
11	2	79.5	18	1170.0	-	11.243735

Table 23 - 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 (us)
1	2	63.3	15	1963.0	-	0.511044
2	1	98.1	9	-	-	1.168962
3	2	92.1	13	1766.0	-	2.251243
4	2	94.7	10	1373.0	-	3.062376
5	3	98.3	10	1571.0	1369.0	3.702806
6	2	52.9	11	1522.0	-	4.378756
7	2	53.8	18	1641.0	-	5.255013
8	1	78.3	14	-	-	5.643793
9	3	77.3	15	1742.0	1634.0	6.809704
10	2	54.5	9	1112.0	-	7.357844
11	2	82.9	14	1770.0	-	8.385310
12	1	70.1	15	-	-	9.284843
13	3	58.3	20	1240.0	1254.0	10.394232
14	2	88.2	11	1339.0	-	10.561116
15	2	75.7	14	1682.0	-	11.242539

Table 24 - 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 (us)
1	2	67.9	11	1849.0	-	0.106040
2	1	70.7	9	-	-	0.850360
3	2	69.6	18	1197.0	-	1.830514
4	2	73.6	14	1234.0	-	2.271288
5	3	52.3	15	1185.0	1339.0	2.882169
6	3	80.0	10	1231.0	1361.0	3.275571

Table 24 - 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 (us)
7	3	55.2	20	1451.0	1631.0	3.976071
8	2	93.3	20	1214.0	-	4.775917
9	2	82.3	6	1578.0	-	5.318959
10	2	77.6	12	1339.0	-	5.820956
11	2	78.6	6	1881.0	-	6.927261
12	2	84.9	7	1627.0	-	7.127613
13	3	90.7	15	1822.0	1876.0	7.695563
14	2	74.6	18	1129.0	-	8.466316
15	2	50.3	6	1532.0	-	9.411751
16	2	79.0	18	1439.0	-	9.570677
17	2	69.4	5	1418.0	-	10.569526
18	3	78.4	16	1387.0	1648.0	10.839636
19	3	74.2	17	1170.0	1799.0	11.897580

Table 25 - 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 (us)
1	2	93.9	14	1195.0	-	0.527791
2	2	95.1	15	1867.0	-	1.887693
3	2	60.0	14	1960.0	-	2.915478
4	1	98.6	13	-	-	4.772663
5	3	65.2	17	1072.0	1831.0	4.827336
6	2	87.6	8	1924.0	-	6.856140
7	2	68.5	15	1073.0	-	8.349438
8	2	50.5	9	1680.0	-	8.660616
9	2	58.1	9	1113.0	-	9.991328
10	2	99.9	10	1630.0	-	11.876732

Table 26 - 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 (us)
1	2	81.8	9	1382.0	-	0.263215
2	2	88.3	14	1615.0	-	2.104165
3	2	95.7	16	1416.0	-	3.384173
4	2	91.1	17	1636.0	-	4.778197
5	2	79.6	15	1825.0	-	7.098078
6	2	60.7	8	1250.0	-	7.999065
7	2	81.4	8	1113.0	-	9.768601
8	2	71.2	15	1131.0	-	11.270480

Table 27 - 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 (us)
1	3	64.2	10	1441.0	1278.0	0.189885
2	1	71.3	11	-	-	1.034224
3	1	61.1	16	-	-	2.662498
4	1	66.5	16	-	-	3.369204
5	2	69.1	16	1717.0	-	4.736214
6	1	54.7	9	-	-	5.070393

Table 27 - 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 (us)
7	2	64.7	5	1950.0	-	6.014870
8	2	76.1	16	1749.0	-	7.061080
9	2	62.7	16	1853.0	-	8.003937
10	2	89.7	13	1251.0	-	9.458940
11	1	85.0	19	-	-	10.629096
12	2	95.0	14	1382.0	-	11.385876

Table 28 - 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 (us)
1	2	53.9	8	1224.0	-	0.637719
2	3	51.0	10	1647.0	1767.0	0.667840
3	2	97.7	17	1416.0	-	1.363152
4	1	75.7	19	-	-	2.327217
5	1	73.5	17	-	-	2.809294
6	2	90.7	8	1450.0	-	3.758072
7	2	66.5	13	1067.0	-	4.636267
8	2	83.0	9	1260.0	-	5.215870
9	2	85.7	10	1500.0	-	5.485467
10	2	60.5	15	1294.0	-	6.573761
11	1	51.8	12	-	-	6.843029
12	3	51.6	20	1405.0	1087.0	7.818373
13	1	70.4	9	-	-	8.041543
14	2	81.5	12	1263.0	-	9.231814
15	2	73.6	20	1178.0	-	9.442952
16	3	87.4	9	1091.0	1281.0	10.093740
17	2	63.9	17	1223.0	-	11.154221
18	3	90.8	11	1435.0	1818.0	11.906280

Table 29 - 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 (us)
1	3	99.0	19	1525.0	1342.0	0.066674
2	2	73.3	6	1547.0	-	2.216314
3	1	73.6	15	-	-	3.993235
4	1	65.9	17	-	-	4.720654
5	3	90.2	10	1213.0	1341.0	6.596279
6	3	99.5	11	1953.0	1672.0	6.679374
7	2	59.2	9	1107.0	-	8.413778
8	3	74.1	16	1367.0	1827.0	10.053741
9	2	96.5	15	1580.0	-	11.508091

Table 30 - 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 (us)
1	3	80.8	8	1798.0	1999.0	0.616259
2	1	84.9	19	-	-	1.162975
3	2	94.0	5	1892.0	-	2.989227
4	3	90.9	7	1680.0	1177.0	3.831901

Table 30 - 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 (us)
5	2	51.6	6	1942.0	-	4.618192
6	2	63.0	8	1286.0	-	5.682130
7	2	80.7	6	1277.0	-	6.880710
8	2	72.8	18	1499.0	-	8.649794
9	2	70.2	14	1151.0	-	9.393150
10	3	56.7	13	1044.0	1744.0	10.142841
11	3	85.1	18	1266.0	1685.0	11.871468

Table 31 - 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 (us)
1	2	92.1	9	1849.0	-	0.595919
2	2	53.8	12	1128.0	-	1.217497
3	1	60.8	6	-	-	1.571237
4	1	55.4	16	-	-	2.324136
5	2	55.7	7	1423.0	-	2.939204
6	1	95.7	11	-	-	3.561009
7	2	79.0	6	1687.0	-	3.797800
8	2	95.2	17	1854.0	-	4.769153
9	1	85.3	17	-	-	5.394768
10	2	98.4	17	1028.0	-	5.938563
11	1	68.0	17	-	-	6.835556
12	1	71.0	7	-	-	7.238329
13	2	71.2	12	1531.0	-	8.138389
14	3	95.0	16	1527.0	1501.0	8.344608
15	1	94.7	18	-	-	9.163582
16	3	83.8	14	1636.0	1932.0	9.660709
17	1	66.2	7	-	-	10.289704
18	2	97.3	13	1649.0	-	10.767013
19	1	67.3	11	-	-	11.830547

Table 32 - 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 (us)
1	2	72.8	16	1897.0	-	0.969718
2	2	60.7	11	1783.0	-	2.629187
3	3	75.6	12	1513.0	1345.0	3.905585
4	2	80.6	18	1935.0	-	4.158290
5	3	76.4	11	1605.0	1572.0	6.061163
6	2	65.5	20	1904.0	-	6.786517
7	2	87.6	12	1376.0	-	8.061780
8	2	51.6	8	1604.0	-	10.415390
9	2	99.9	14	1600.0	-	11.553362

Table 33 - 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 (us)
1	1	88.4	19	-	-	0.315538
2	3	51.0	7	1004.0	1491.0	1.602767

Table 33 - 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 (us)
3	2	90.8	12	1760.0	-	2.751936
4	1	64.7	16	-	-	3.873135
5	2	68.2	10	1608.0	-	5.138203
6	2	91.1	15	1288.0	-	6.502185
7	1	88.8	19	-	-	6.979286
8	1	99.8	11	-	-	7.987683
9	2	83.6	12	1034.0	-	9.764262
10	2	89.6	12	1463.0	-	10.831637
11	1	94.7	13	-	-	11.185407

Table 34 - 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 (us)
1	1	60.7	15	-	-	0.459590
2	1	86.2	10	-	-	2.620267
3	3	61.8	6	1693.0	1969.0	3.324931
4	2	57.8	12	1204.0	-	4.580633
5	3	90.1	15	1512.0	1316.0	5.562586
6	2	63.7	12	1619.0	-	7.913567
7	3	89.2	17	1919.0	1962.0	9.058062
8	1	83.8	17	-	-	10.426700
9	2	85.0	8	1417.0	-	11.209893

Table 35 - 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 (us)
1	1	76.6	16	-	-	1.061406
2	3	73.6	14	1412.0	1855.0	1.670071
3	2	64.1	16	1061.0	-	2.869756
4	2	78.2	14	1313.0	-	3.781935
5	3	50.2	6	1151.0	1912.0	4.975556
6	1	59.8	15	-	-	5.496607
7	3	83.4	18	1442.0	1729.0	7.495006
8	2	75.1	7	1762.0	-	8.284979
9	3	56.8	12	1138.0	1949.0	9.280077
10	3	91.7	6	1048.0	1219.0	10.779995
11	3	56.1	11	1946.0	1407.0	11.320903

Table 36 - 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 (us)
1	3	55.6	6	1632.0	1460.0	0.139145
2	2	86.1	17	1957.0	-	1.407904
3	2	55.5	10	1413.0	-	1.880913
4	2	82.5	10	1722.0	-	3.356932
5	3	89.8	13	1725.0	1083.0	4.101398
6	1	76.6	11	-	-	4.419519
7	2	52.0	14	1134.0	-	5.323833
8	3	63.8	7	1988.0	1017.0	6.095118

Table 36 - 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 (us)
9	2	67.4	8	1592.0	-	7.478504
10	3	53.9	18	1277.0	1078.0	8.207156
11	2	74.4	9	1439.0	-	9.409183
12	2	94.1	15	1187.0	-	9.622924
13	2	62.8	6	1833.0	-	11.080075
14	2	66.0	13	1258.0	-	11.946232

Table 37 - 20MHz 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 (us)
1	1	74.3	8	-	-	0.265502
2	2	95.7	19	1566.0	-	1.215043
3	2	62.5	18	1524.0	-	1.674482
4	3	66.7	8	1865.0	1219.0	2.066131
5	2	53.9	8	1960.0	-	2.608081
6	2	68.8	13	1290.0	-	3.269888
7	3	75.8	5	1159.0	1900.0	4.194452
8	2	60.7	19	1648.0	-	5.037631
9	2	62.5	20	1548.0	-	5.427361
10	1	53.7	8	-	-	5.972558
11	3	93.4	5	1074.0	1996.0	6.731242
12	2	58.6	11	1041.0	-	7.140489
13	3	52.2	19	1823.0	1291.0	7.733835
14	2	70.0	11	1304.0	-	8.582114
15	2	81.5	13	1019.0	-	8.919233
16	2	89.7	7	1874.0	-	9.578971
17	3	66.4	7	1827.0	1392.0	10.707501
18	2	91.5	13	1972.0	-	11.257832
19	2	72.7	14	1487.0	-	11.692464

Table 38 - 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 (us)
1	3	60.1	16	1970.0	1240.0	0.527921
2	2	73.2	17	1533.0	-	1.157866
3	2	78.2	19	1357.0	-	1.561773
4	2	73.5	6	1681.0	-	2.007431
5	1	79.1	10	-	-	2.519548
6	2	74.9	7	1160.0	-	3.358823
7	1	92.8	12	-	-	4.109774
8	1	87.8	19	-	-	4.332906
9	3	60.0	14	1459.0	1986.0	5.036012
10	1	55.7	14	-	-	5.815475
11	1	67.2	7	-	-	6.304070
12	1	66.1	13	-	-	6.963134
13	3	57.3	16	1852.0	1820.0	7.394627
14	2	66.6	19	1332.0	-	7.896711
15	2	81.6	16	1245.0	-	8.776085
16	2	96.6	17	1061.0	-	9.225011
17	2	54.8	19	1878.0	-	9.657993

Table 38 - 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 (us)
18	2	96.7	13	1434.0	-	10.288568
19	2	91.8	17	1768.0	-	11.296756
20	2	71.5	15	1476.0	-	11.423726

Table 39 - 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 (us)
1	2	53.6	14	1481.0	-	0.975790
2	2	61.2	12	1447.0	-	1.797328
3	3	87.5	17	1693.0	1592.0	3.481244
4	1	84.4	15	-	-	3.643517
5	1	67.5	7	-	-	5.654492
6	2	74.7	13	1832.0	-	6.013380
7	1	83.0	17	-	-	8.213792
8	2	71.0	20	1607.0	-	9.233031
9	1	91.6	9	-	-	9.733800
10	2	71.2	13	1588.0	-	11.459507

Table 40 - 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 (us)
1	3	62.7	18	1387.0	1311.0	0.475362
2	2	99.0	10	1781.0	-	1.524068
3	2	53.8	18	1678.0	-	2.149564
4	2	73.7	5	1719.0	-	2.978624
5	2	57.1	18	1152.0	-	4.061172
6	2	78.7	7	1817.0	-	4.453155
7	2	99.0	16	1278.0	-	5.283914
8	2	89.9	6	1140.0	-	6.338060
9	3	53.6	18	1340.0	1565.0	7.210332
10	2	60.1	12	1725.0	-	8.182920
11	2	68.3	10	1587.0	-	8.845244
12	1	61.1	12	-	-	9.476862
13	3	52.7	8	1120.0	1216.0	10.388797
14	3	71.9	19	1121.0	1593.0	11.697720

Table 41 - 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 (us)
1	1	53.6	20	-	-	0.619748
2	2	96.3	16	1433.0	-	1.142653
3	2	98.5	14	1309.0	-	1.654699
4	1	74.7	14	-	-	2.011345
5	2	80.7	13	1597.0	-	3.027096
6	2	61.2	13	1460.0	-	3.950463
7	3	98.8	7	1514.0	1310.0	4.349152
8	1	99.9	5	-	-	5.220981
9	3	99.1	11	1244.0	1767.0	5.644081
10	3	72.1	5	1513.0	1809.0	6.317215

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
11	2	69.4	16	1580.0	-	7.130042
12	2	84.7	18	1553.0	-	7.718767
13	2	82.1	17	1946.0	-	8.211574
14	1	68.6	7	-	-	8.789625
15	2	66.1	6	1351.0	-	9.351773
16	3	93.9	18	1554.0	1356.0	10.467722
17	1	99.0	8	-	-	11.029773
18	2	96.8	17	1434.0	-	11.804445

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
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	9	1.0	333.0	Yes	5547.0MHz, -63.0dBm	Hop sequence: 5389, 5599, 5275, 5595, 5584, 5553, 5325, 5278, 5597, 5250, 5344, 5476, 5374, 5718, 5513, 5589, 5700, 5309, 5313, 5424, 5400, 5567, 5448, 5413, 5440, 5650, 5472, 5709, 5354, 5690, 5669, 5534, 5390, 5692, 5367, 5627, 5286, 5624, 5420, 5530, 5638, 5693, 5289, 5656, 5265, 5329, 5283, 5271, 5430, 5618, 5363, 5483, 5699, 5466, 5654, 5581, 5335, 5607, 5269, 5490, 5426, 5682, 5324, 5711, 5596, 5515, 5517, 5600, 5345, 5492, 5646, 5300, 5433, 5673, 5698, 5491, 5536, 5522, 5280, 5322, 5386, 5373, 5697, 5520, 5621, 5337, 5428, 5321, 5552, 5347, 5689, 5264, 5558, 5526, 5603, 5346, 5583, 5645, 5314, 5563 (2 hits) (06/30/2011 02:59:15 PM)

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
2	9	1.0	333.0	Yes	5548.0MHz, -63.0dBm	Hop sequence: 5264, 5461, 5263, 5654, 5555, 5666, 5257, 5291, 5327, 5668, 5279, 5310, 5376, 5412, 5647, 5482, 5606, 5674, 5543, 5700, 5551, 5427, 5709, 5385, 5301, 5333, 5614, 5598, 5355, 5384, 5492, 5424, 5698, 5565, 5605, 5459, 5653, 5661, 5485, 5428, 5322, 5350, 5544, 5575, 5487, 5317, 5652, 5315, 5585, 5564, 5537, 5460, 5588, 5361, 5254, 5714, 5518, 5651, 5539, 5703, 5259, 5526, 5556, 5364, 5623, 5726, 5633, 5563, 5397, 5373, 5281, 5513, 5684, 5365, 5319, 5274, 5420, 5618, 5597, 5701, 5329, 5527, 5435, 5449, 5506, 5393, 5573, 5712, 5360, 5462, 5352, 5383, 5484, 5280, 5326, 5553, 5715, 5458, 5266, 5442 (4 hits) (06/30/2011 02:59:23 PM)
3	9	1.0	333.0	Yes	5532.0MHz, -63.0dBm	Hop sequence: 5612, 5545, 5721, 5366, 5508, 5561, 5698, 5414, 5560, 5683, 5654, 5540, 5604, 5649, 5563, 5646, 5636, 5669, 5463, 5701, 5344, 5459, 5345, 5714, 5275, 5619, 5666, 5605, 5502, 5335, 5542, 5622, 5637, 5333, 5455, 5593, 5340, 5573, 5336, 5676, 5524, 5449, 5716, 5397, 5518, 5554, 5469, 5461, 5552, 5405, 5305, 5315, 5519, 5389, 5603, 5543, 5670, 5439, 5317, 5314, 5425, 5284, 5651, 5618, 5580, 5304, 5465, 5538, 5467, 5557, 5468, 5426, 5419, 5499, 5311, 5266, 5483, 5296, 5443, 5475, 5331, 5441, 5400, 5700, 5404, 5282, 5559, 5440, 5689, 5481, 5601, 5297, 5628, 5310, 5539, 5300, 5594, 5322, 5328, 5551 (6 hits) (06/30/2011 02:59:32 PM)
4	9	1.0	333.0	Yes	5533.0MHz, -63.0dBm	Hop sequence: 5667, 5400, 5718, 5307, 5640, 5457, 5386, 5324, 5679, 5415, 5502, 5368, 5605, 5330, 5465, 5643, 5510, 5660, 5467, 5300, 5725, 5559, 5310, 5620, 5567, 5397, 5276, 5498, 5716, 5634, 5579, 5301, 5374, 5387, 5636, 5320, 5522, 5453, 5460, 5504, 5583, 5352, 5383, 5695, 5686, 5553, 5658, 5445, 5401, 5517, 5539, 5564, 5516,

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
						5357, 5461, 5419, 5398, 5462, 5429, 5582, 5443, 5722, 5651, 5345, 5311, 5250, 5409, 5305, 5424, 5628, 5704, 5489, 5595, 5633, 5495, 5711, 5512, 5265, 5280, 5289, 5708, 5677, 5325, 5437, 5590, 5565, 5680, 5436, 5515, 5638, 5253, 5282, 5530, 5440, 5284, 5365, 5346, 5670, 5404, 5608 (1 hits) (06/30/2011 02:59:45 PM)
5	9	1.0	333.0	Yes	5534.0MHz, -63.0dBm	Hop sequence: 5489, 5311, 5451, 5616, 5388, 5458, 5337, 5475, 5596, 5342, 5256, 5659, 5542, 5324, 5496, 5623, 5406, 5267, 5540, 5505, 5685, 5509, 5495, 5532, 5401, 5720, 5513, 5375, 5633, 5418, 5294, 5704, 5377, 5299, 5643, 5598, 5544, 5417, 5690, 5362, 5700, 5321, 5539, 5260, 5523, 5463, 5408, 5563, 5255, 5353, 5660, 5697, 5713, 5423, 5548, 5277, 5607, 5441, 5501, 5457, 5552, 5492, 5618, 5675, 5715, 5515, 5380, 5470, 5553, 5292, 5348, 5361, 5466, 5483, 5346, 5608, 5400, 5422, 5468, 5325, 5316, 5610, 5670, 5606, 5536, 5345, 5484, 5461, 5283, 5371, 5435, 5565, 5499, 5726, 5404, 5251, 5575, 5381, 5343, 5471 (7 hits) (06/30/2011 02:59:59 PM)
6	9	1.0	333.0	Yes	5535.0MHz, -63.0dBm	Hop sequence: 5308, 5353, 5303, 5695, 5416, 5609, 5549, 5515, 5302, 5435, 5360, 5698, 5394, 5591, 5607, 5270, 5503, 5565, 5647, 5618, 5598, 5415, 5346, 5254, 5721, 5497, 5710, 5486, 5310, 5400, 5555, 5675, 5456, 5575, 5358, 5650, 5626, 5605, 5457, 5656, 5483, 5261, 5511, 5290, 5466, 5461, 5418, 5681, 5282, 5602, 5569, 5443, 5429, 5532, 5648, 5431, 5509, 5441, 5340, 5421, 5643, 5520, 5325, 5265, 5552, 5337, 5545, 5348, 5422, 5619, 5651, 5493, 5621, 5652, 5642, 5499, 5414, 5256, 5253, 5468, 5527, 5281, 5401, 5424, 5328, 5318, 5566, 5259, 5299, 5533, 5662, 5593, 5674, 5311, 5425, 5693, 5689, 5556, 5657, 5384 (3 hits) (06/30/2011 03:00:08 PM)

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
7	9	1.0	333.0	Yes	5536.0MHz, -63.0dBm	Hop sequence: 5437, 5390, 5436, 5538, 5701, 5667, 5714, 5330, 5273, 5624, 5375, 5725, 5704, 5339, 5665, 5449, 5420, 5660, 5306, 5308, 5673, 5438, 5463, 5626, 5567, 5580, 5695, 5709, 5591, 5473, 5655, 5373, 5515, 5680, 5316, 5291, 5258, 5679, 5403, 5542, 5532, 5288, 5541, 5425, 5408, 5710, 5534, 5551, 5484, 5332, 5442, 5683, 5329, 5335, 5523, 5549, 5561, 5583, 5686, 5349, 5599, 5605, 5430, 5424, 5597, 5569, 5573, 5466, 5305, 5471, 5417, 5627, 5394, 5606, 5421, 5283, 5636, 5625, 5592, 5263, 5410, 5432, 5726, 5271, 5501, 5526, 5554, 5255, 5469, 5353, 5575, 5510, 5493, 5451, 5623, 5584, 5474, 5579, 5479, 5323 (5 hits) (06/30/2011 03:00:23 PM)
8	9	1.0	333.0	Yes	5537.0MHz, -63.0dBm	Hop sequence: 5598, 5460, 5366, 5592, 5726, 5386, 5702, 5469, 5256, 5574, 5372, 5518, 5593, 5496, 5422, 5648, 5570, 5282, 5283, 5312, 5262, 5293, 5618, 5361, 5711, 5568, 5464, 5607, 5580, 5374, 5704, 5499, 5533, 5391, 5535, 5466, 5602, 5507, 5623, 5333, 5400, 5485, 5467, 5655, 5309, 5477, 5272, 5458, 5398, 5556, 5583, 5330, 5289, 5286, 5296, 5405, 5666, 5437, 5522, 5370, 5494, 5539, 5456, 5261, 5587, 5298, 5463, 5426, 5472, 5390, 5450, 5300, 5299, 5429, 5345, 5471, 5629, 5601, 5709, 5396, 5614, 5355, 5581, 5441, 5675, 5498, 5408, 5679, 5508, 5302, 5630, 5336, 5365, 5280, 5718, 5553, 5708, 5636, 5373, 5549 (3 hits) (06/30/2011 03:00:32 PM)
9	9	1.0	333.0	Yes	5538.0MHz, -63.0dBm	Hop sequence: 5613, 5328, 5496, 5380, 5519, 5304, 5608, 5699, 5469, 5672, 5333, 5254, 5359, 5546, 5278, 5272, 5540, 5610, 5723, 5528, 5308, 5437, 5725, 5661, 5439, 5387, 5250, 5638, 5445, 5325, 5542, 5275, 5347, 5650, 5549, 5302, 5581, 5688, 5568, 5406, 5262, 5600, 5603, 5503, 5485, 5480, 5671, 5669, 5693, 5700, 5342, 5606, 5281,

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
						5639, 5642, 5471, 5367, 5515, 5353, 5323, 5446, 5277, 5265, 5368, 5476, 5258, 5295, 5602, 5679, 5636, 5518, 5441, 5397, 5657, 5566, 5448, 5674, 5565, 5516, 5293, 5701, 5552, 5355, 5357, 5501, 5498, 5409, 5307, 5571, 5405, 5583, 5712, 5306, 5547, 5453, 5592, 5492, 5524, 5569, 5509 (4 hits) (06/30/2011 03:00:39 PM)
10	9	1.0	333.0	Yes	5539.0MHz, -63.0dBm	Hop sequence: 5436, 5702, 5346, 5563, 5718, 5694, 5533, 5606, 5446, 5398, 5587, 5292, 5335, 5353, 5263, 5602, 5312, 5550, 5700, 5568, 5652, 5512, 5598, 5265, 5665, 5613, 5685, 5341, 5625, 5528, 5355, 5687, 5372, 5541, 5458, 5460, 5635, 5548, 5570, 5688, 5715, 5542, 5455, 5454, 5294, 5653, 5679, 5612, 5599, 5577, 5260, 5676, 5582, 5253, 5293, 5437, 5529, 5431, 5666, 5376, 5622, 5493, 5601, 5488, 5344, 5321, 5478, 5314, 5352, 5585, 5504, 5320, 5569, 5555, 5608, 5492, 5359, 5397, 5648, 5484, 5566, 5654, 5479, 5275, 5691, 5363, 5559, 5375, 5303, 5712, 5517, 5628, 5348, 5259, 5506, 5651, 5584, 5701, 5591, 5603 (4 hits) (06/30/2011 03:00:48 PM)
11	9	1.0	333.0	Yes	5540.0MHz, -63.0dBm	Hop sequence: 5574, 5420, 5627, 5478, 5655, 5351, 5446, 5695, 5530, 5520, 5533, 5532, 5512, 5379, 5589, 5441, 5318, 5702, 5304, 5399, 5375, 5525, 5308, 5552, 5387, 5556, 5517, 5310, 5488, 5430, 5457, 5307, 5510, 5290, 5411, 5299, 5407, 5356, 5406, 5665, 5664, 5444, 5640, 5511, 5275, 5345, 5311, 5392, 5476, 5286, 5609, 5334, 5658, 5398, 5423, 5344, 5631, 5544, 5615, 5472, 5490, 5289, 5550, 5335, 5455, 5643, 5567, 5278, 5395, 5493, 5639, 5666, 5317, 5564, 5437, 5287, 5259, 5465, 5671, 5634, 5624, 5604, 5298, 5519, 5480, 5452, 5559, 5325, 5263, 5314, 5281, 5417, 5464, 5449, 5346, 5513, 5252, 5659, 5255, 5621 (3 hits) (06/30/2011 03:00:56 PM)

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
12	9	1.0	333.0	Yes	5541.0MHz, -63.0dBm	Hop sequence: 5297, 5548, 5312, 5634, 5613, 5709, 5568, 5486, 5446, 5688, 5665, 5547, 5724, 5424, 5561, 5616, 5676, 5472, 5354, 5712, 5666, 5440, 5396, 5644, 5602, 5677, 5425, 5549, 5508, 5363, 5445, 5323, 5387, 5541, 5540, 5371, 5328, 5595, 5517, 5539, 5389, 5623, 5271, 5520, 5314, 5466, 5635, 5593, 5325, 5538, 5301, 5319, 5565, 5662, 5423, 5599, 5431, 5607, 5417, 5692, 5569, 5292, 5704, 5525, 5495, 5439, 5675, 5307, 5507, 5590, 5361, 5280, 5624, 5592, 5580, 5456, 5518, 5327, 5535, 5632, 5393, 5620, 5506, 5618, 5368, 5723, 5253, 5588, 5337, 5257, 5405, 5597, 5640, 5521, 5369, 5428, 5358, 5311, 5442, 5276 (7 hits) (06/30/2011 03:01:04 PM)
13	9	1.0	333.0	Yes	5542.0MHz, -63.0dBm	Hop sequence: 5287, 5394, 5322, 5455, 5266, 5554, 5608, 5269, 5404, 5605, 5693, 5452, 5529, 5547, 5564, 5281, 5651, 5333, 5368, 5680, 5689, 5597, 5629, 5454, 5526, 5284, 5383, 5700, 5469, 5421, 5316, 5583, 5585, 5678, 5701, 5620, 5442, 5717, 5377, 5668, 5264, 5560, 5413, 5527, 5386, 5450, 5722, 5546, 5273, 5563, 5252, 5675, 5499, 5337, 5495, 5646, 5625, 5687, 5467, 5354, 5664, 5539, 5667, 5600, 5518, 5364, 5567, 5384, 5363, 5523, 5500, 5414, 5490, 5519, 5709, 5672, 5703, 5698, 5513, 5256, 5456, 5301, 5309, 5592, 5642, 5559, 5611, 5391, 5548, 5334, 5696, 5314, 5596, 5586, 5601, 5677, 5477, 5683, 5271, 5427 (4 hits) (06/30/2011 03:01:13 PM)
14	9	1.0	333.0	Yes	5543.0MHz, -63.0dBm	Hop sequence: 5637, 5523, 5429, 5500, 5550, 5494, 5509, 5422, 5690, 5485, 5537, 5535, 5541, 5439, 5327, 5473, 5386, 5598, 5289, 5631, 5714, 5554, 5479, 5425, 5346, 5620, 5459, 5312, 5405, 5607, 5332, 5701, 5674, 5576, 5558, 5542, 5376, 5619, 5272, 5420, 5683, 5354, 5384, 5402, 5277, 5392, 5294, 5306, 5297, 5391, 5577, 5365, 5583,

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
						5602, 5622, 5269, 5410, 5689, 5580, 5634, 5641, 5328, 5435, 5394, 5621, 5618, 5675, 5578, 5694, 5323, 5561, 5630, 5347, 5451, 5281, 5673, 5274, 5295, 5594, 5413, 5307, 5387, 5477, 5468, 5445, 5299, 5427, 5478, 5599, 5520, 5480, 5592, 5340, 5522, 5398, 5492, 5315, 5506, 5565, 5419 (4 hits) (06/30/2011 03:01:25 PM)
15	9	1.0	333.0	Yes	5544.0MHz, -63.0dBm	Hop sequence: 5654, 5396, 5606, 5657, 5459, 5675, 5722, 5332, 5380, 5250, 5518, 5403, 5545, 5405, 5483, 5510, 5652, 5320, 5701, 5445, 5635, 5543, 5267, 5533, 5586, 5422, 5341, 5637, 5290, 5371, 5622, 5292, 5560, 5639, 5687, 5465, 5266, 5271, 5717, 5309, 5494, 5596, 5338, 5684, 5331, 5680, 5683, 5698, 5605, 5676, 5381, 5347, 5658, 5355, 5282, 5609, 5618, 5377, 5322, 5339, 5599, 5648, 5539, 5724, 5530, 5278, 5528, 5723, 5334, 5630, 5402, 5410, 5317, 5574, 5712, 5383, 5573, 5407, 5546, 5629, 5617, 5450, 5385, 5291, 5367, 5597, 5702, 5673, 5411, 5593, 5709, 5425, 5695, 5327, 5625, 5258, 5554, 5255, 5272, 5553 (5 hits) (06/30/2011 03:01:33 PM)
16	9	1.0	333.0	Yes	5545.0MHz, -63.0dBm	Hop sequence: 5658, 5536, 5508, 5699, 5481, 5622, 5333, 5499, 5491, 5408, 5511, 5704, 5718, 5544, 5551, 5339, 5581, 5468, 5458, 5439, 5395, 5583, 5444, 5317, 5543, 5641, 5670, 5687, 5654, 5675, 5300, 5676, 5391, 5674, 5576, 5344, 5467, 5610, 5623, 5340, 5483, 5557, 5627, 5485, 5299, 5488, 5298, 5663, 5598, 5679, 5668, 5527, 5639, 5347, 5417, 5319, 5285, 5492, 5530, 5305, 5516, 5682, 5426, 5525, 5390, 5301, 5532, 5452, 5367, 5372, 5336, 5324, 5443, 5284, 5267, 5506, 5271, 5394, 5392, 5370, 5574, 5566, 5474, 5406, 5665, 5314, 5449, 5396, 5256, 5497, 5342, 5446, 5401, 5571, 5359, 5448, 5572, 5700, 5587, 5460 (4 hits) (06/30/2011 03:01:40 PM)

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
17	9	1.0	333.0	Yes	5546.0MHz, -63.0dBm	Hop sequence: 5358, 5318, 5697, 5492, 5498, 5581, 5301, 5723, 5604, 5670, 5486, 5564, 5649, 5360, 5585, 5324, 5550, 5705, 5555, 5397, 5382, 5718, 5316, 5435, 5652, 5470, 5694, 5520, 5525, 5603, 5659, 5261, 5398, 5456, 5270, 5641, 5710, 5387, 5558, 5613, 5527, 5308, 5530, 5508, 5378, 5539, 5726, 5390, 5537, 5346, 5589, 5600, 5441, 5571, 5669, 5549, 5454, 5690, 5724, 5619, 5309, 5664, 5538, 5700, 5260, 5291, 5389, 5293, 5534, 5688, 5636, 5504, 5719, 5701, 5467, 5257, 5381, 5386, 5362, 5495, 5521, 5630, 5393, 5519, 5640, 5345, 5489, 5584, 5568, 5528, 5417, 5720, 5507, 5574, 5355, 5265, 5391, 5658, 5616, 5620 (4 hits) (06/30/2011 03:01:47 PM)
18	9	1.0	333.0	Yes	5547.0MHz, -63.0dBm	Hop sequence: 5698, 5682, 5499, 5635, 5534, 5261, 5348, 5628, 5388, 5576, 5274, 5356, 5492, 5486, 5511, 5684, 5647, 5287, 5378, 5254, 5678, 5480, 5688, 5463, 5270, 5692, 5260, 5310, 5366, 5350, 5296, 5299, 5615, 5666, 5470, 5640, 5263, 5561, 5336, 5407, 5412, 5653, 5563, 5720, 5494, 5687, 5703, 5375, 5280, 5644, 5286, 5429, 5477, 5667, 5462, 5456, 5597, 5714, 5654, 5526, 5312, 5591, 5691, 5439, 5621, 5544, 5517, 5652, 5535, 5386, 5302, 5657, 5529, 5331, 5432, 5461, 5555, 5460, 5662, 5459, 5601, 5577, 5668, 5300, 5717, 5337, 5475, 5425, 5420, 5484, 5581, 5612, 5664, 5279, 5411, 5636, 5513, 5665, 5309, 5645 (3 hits) (06/30/2011 03:01:55 PM)
19	9	1.0	333.0	Yes	5548.0MHz, -63.0dBm	Hop sequence: 5449, 5311, 5432, 5269, 5312, 5616, 5257, 5591, 5686, 5567, 5323, 5535, 5657, 5582, 5536, 5341, 5451, 5724, 5560, 5568, 5290, 5559, 5354, 5605, 5315, 5586, 5562, 5299, 5382, 5495, 5576, 5424, 5530, 5452, 5264, 5481, 5490, 5274, 5428, 5658, 5470, 5288, 5417, 5519, 5674, 5703, 5297, 5675, 5684, 5540, 5520, 5405, 5414,

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
						5415, 5410, 5368, 5558, 5716, 5502, 5630, 5250, 5585, 5668, 5333, 5629, 5525, 5329, 5518, 5549, 5454, 5266, 5471, 5543, 5571, 5319, 5501, 5551, 5687, 5667, 5532, 5308, 5539, 5422, 5296, 5389, 5593, 5638, 5583, 5713, 5352, 5637, 5300, 5313, 5374, 5480, 5397, 5707, 5258, 5618, 5462 (6 hits) (06/30/2011 03:02:02 PM)
20	9	1.0	333.0	Yes	5532.0MHz, -63.0dBm	Hop sequence: 5260, 5498, 5450, 5399, 5670, 5356, 5352, 5336, 5597, 5643, 5387, 5321, 5650, 5478, 5536, 5632, 5427, 5296, 5440, 5388, 5485, 5382, 5652, 5393, 5320, 5615, 5655, 5361, 5689, 5554, 5285, 5608, 5620, 5504, 5265, 5475, 5646, 5680, 5434, 5699, 5480, 5351, 5313, 5258, 5642, 5725, 5567, 5385, 5468, 5648, 5364, 5721, 5628, 5391, 5400, 5490, 5513, 5405, 5682, 5512, 5288, 5284, 5533, 5493, 5610, 5723, 5275, 5685, 5467, 5645, 5333, 5360, 5409, 5690, 5255, 5267, 5641, 5580, 5376, 5449, 5547, 5270, 5695, 5529, 5616, 5560, 5550, 5653, 5563, 5308, 5684, 5719, 5505, 5477, 5649, 5347, 5294, 5379, 5638, 5656 (3 hits) (06/30/2011 03:02:11 PM)
21	9	1.0	333.0	Yes	5533.0MHz, -63.0dBm	Hop sequence: 5320, 5424, 5405, 5375, 5644, 5618, 5701, 5591, 5725, 5656, 5400, 5510, 5333, 5370, 5599, 5425, 5562, 5602, 5514, 5529, 5277, 5352, 5430, 5573, 5253, 5639, 5250, 5462, 5652, 5569, 5645, 5620, 5252, 5584, 5711, 5398, 5653, 5543, 5564, 5411, 5509, 5496, 5709, 5473, 5647, 5492, 5576, 5690, 5611, 5427, 5587, 5429, 5477, 5442, 5523, 5507, 5329, 5363, 5356, 5590, 5296, 5530, 5274, 5605, 5384, 5351, 5260, 5445, 5275, 5640, 5293, 5387, 5658, 5537, 5577, 5490, 5594, 5544, 5456, 5691, 5285, 5306, 5418, 5560, 5498, 5348, 5506, 5395, 5368, 5365, 5381, 5533, 5717, 5631, 5601, 5512, 5300, 5684, 5497, 5330 (4 hits) (06/30/2011 03:02:18 PM)

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
22	9	1.0	333.0	Yes	5534.0MHz, -63.0dBm	Hop sequence: 5707, 5645, 5459, 5551, 5602, 5501, 5498, 5318, 5317, 5295, 5361, 5580, 5396, 5554, 5440, 5287, 5360, 5410, 5535, 5537, 5302, 5390, 5494, 5643, 5586, 5674, 5460, 5309, 5473, 5347, 5476, 5331, 5411, 5416, 5538, 5644, 5341, 5418, 5263, 5495, 5438, 5675, 5481, 5451, 5265, 5555, 5493, 5485, 5567, 5671, 5296, 5445, 5431, 5324, 5530, 5326, 5350, 5508, 5723, 5606, 5412, 5407, 5377, 5682, 5306, 5339, 5471, 5358, 5365, 5636, 5667, 5269, 5511, 5404, 5593, 5372, 5475, 5253, 5651, 5422, 5638, 5385, 5281, 5629, 5639, 5590, 5430, 5597, 5464, 5349, 5517, 5687, 5577, 5552, 5502, 5439, 5661, 5401, 5670, 5267 (3 hits) (06/30/2011 03:02:26 PM)
23	9	1.0	333.0	Yes	5535.0MHz, -63.0dBm	Hop sequence: 5526, 5627, 5515, 5496, 5578, 5717, 5600, 5330, 5446, 5608, 5668, 5718, 5603, 5365, 5695, 5679, 5295, 5268, 5605, 5326, 5571, 5576, 5406, 5416, 5405, 5516, 5377, 5261, 5665, 5379, 5494, 5264, 5610, 5719, 5343, 5533, 5358, 5305, 5690, 5495, 5528, 5432, 5725, 5334, 5453, 5611, 5363, 5402, 5281, 5667, 5333, 5396, 5274, 5721, 5436, 5669, 5329, 5298, 5431, 5364, 5477, 5510, 5433, 5559, 5535, 5700, 5617, 5530, 5537, 5452, 5680, 5328, 5585, 5692, 5562, 5457, 5267, 5318, 5449, 5607, 5522, 5262, 5421, 5341, 5260, 5584, 5422, 5469, 5265, 5445, 5498, 5675, 5354, 5394, 5303, 5631, 5362, 5304, 5280, 5388 (3 hits) (06/30/2011 03:02:33 PM)
24	9	1.0	333.0	Yes	5536.0MHz, -63.0dBm	Hop sequence: 5320, 5397, 5656, 5708, 5449, 5702, 5382, 5306, 5686, 5668, 5551, 5391, 5385, 5658, 5400, 5632, 5454, 5592, 5269, 5384, 5657, 5593, 5580, 5671, 5620, 5351, 5589, 5654, 5598, 5498, 5374, 5273, 5311, 5563, 5435, 5322, 5616, 5711, 5703, 5540, 5368, 5564, 5266, 5307, 5314, 5376, 5401, 5355, 5381, 5429, 5689, 5387, 5606,

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
						5357, 5497, 5262, 5673, 5504, 5582, 5652, 5638, 5571, 5332, 5678, 5515, 5549, 5524, 5299, 5635, 5542, 5431, 5483, 5319, 5330, 5697, 5715, 5683, 5447, 5481, 5672, 5558, 5646, 5716, 5574, 5362, 5516, 5674, 5594, 5548, 5578, 5323, 5378, 5471, 5722, 5587, 5586, 5334, 5709, 5487, 5486 (3 hits) (06/30/2011 03:02:42 PM)
25	9	1.0	333.0	Yes	5537.0MHz, -63.0dBm	Hop sequence: 5478, 5624, 5362, 5490, 5389, 5399, 5387, 5297, 5543, 5653, 5473, 5414, 5471, 5293, 5323, 5609, 5529, 5518, 5472, 5279, 5678, 5289, 5315, 5450, 5500, 5273, 5286, 5713, 5264, 5437, 5328, 5397, 5666, 5449, 5612, 5364, 5378, 5671, 5538, 5396, 5508, 5375, 5595, 5438, 5604, 5352, 5523, 5322, 5549, 5423, 5704, 5567, 5329, 5462, 5336, 5468, 5498, 5433, 5452, 5606, 5308, 5636, 5265, 5451, 5343, 5461, 5330, 5519, 5361, 5665, 5376, 5586, 5366, 5495, 5672, 5266, 5726, 5291, 5516, 5349, 5670, 5564, 5716, 5584, 5641, 5370, 5571, 5626, 5325, 5425, 5351, 5313, 5628, 5607, 5657, 5277, 5463, 5593, 5477, 5615 (2 hits) (06/30/2011 03:03:03 PM)
26	9	1.0	333.0	Yes	5538.0MHz, -63.0dBm	Hop sequence: 5305, 5581, 5364, 5620, 5619, 5282, 5292, 5456, 5633, 5587, 5668, 5276, 5516, 5559, 5677, 5604, 5603, 5699, 5394, 5264, 5601, 5515, 5672, 5681, 5715, 5548, 5561, 5258, 5528, 5671, 5530, 5632, 5543, 5310, 5403, 5660, 5562, 5366, 5576, 5430, 5466, 5716, 5252, 5725, 5425, 5563, 5669, 5560, 5475, 5312, 5717, 5481, 5575, 5589, 5599, 5631, 5613, 5724, 5496, 5413, 5437, 5518, 5523, 5630, 5680, 5438, 5595, 5459, 5329, 5565, 5492, 5688, 5320, 5702, 5617, 5285, 5469, 5428, 5284, 5471, 5362, 5557, 5705, 5389, 5654, 5332, 5585, 5387, 5534, 5419, 5593, 5519, 5679, 5506, 5646, 5414, 5280, 5526, 5304, 5494 (3 hits) (06/30/2011 03:03:10 PM)

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
27	9	1.0	333.0	Yes	5539.0MHz, -63.0dBm	Hop sequence: 5586, 5279, 5628, 5349, 5681, 5636, 5567, 5608, 5527, 5587, 5370, 5560, 5609, 5456, 5722, 5530, 5336, 5258, 5602, 5633, 5437, 5588, 5410, 5313, 5670, 5662, 5390, 5299, 5543, 5499, 5697, 5666, 5351, 5541, 5577, 5426, 5648, 5293, 5270, 5445, 5290, 5425, 5658, 5642, 5360, 5616, 5507, 5350, 5415, 5424, 5481, 5484, 5532, 5558, 5521, 5544, 5512, 5585, 5525, 5411, 5306, 5319, 5421, 5580, 5673, 5528, 5626, 5477, 5690, 5281, 5552, 5547, 5637, 5282, 5330, 5452, 5374, 5562, 5645, 5653, 5598, 5498, 5423, 5277, 5485, 5417, 5396, 5369, 5467, 5449, 5430, 5573, 5295, 5617, 5434, 5292, 5429, 5259, 5397, 5721 (5 hits) (06/30/2011 03:03:17 PM)
28	9	1.0	333.0	Yes	5540.0MHz, -63.0dBm	Hop sequence: 5597, 5515, 5512, 5708, 5553, 5505, 5391, 5409, 5620, 5717, 5598, 5456, 5284, 5517, 5607, 5699, 5585, 5400, 5532, 5405, 5719, 5508, 5427, 5277, 5307, 5559, 5529, 5428, 5547, 5457, 5426, 5311, 5453, 5448, 5262, 5521, 5362, 5661, 5380, 5278, 5570, 5674, 5477, 5381, 5268, 5656, 5445, 5351, 5718, 5259, 5298, 5563, 5441, 5312, 5533, 5461, 5610, 5604, 5301, 5618, 5451, 5379, 5452, 5319, 5276, 5313, 5367, 5526, 5548, 5710, 5522, 5390, 5431, 5606, 5706, 5473, 5574, 5577, 5566, 5712, 5639, 5432, 5254, 5592, 5454, 5255, 5371, 5490, 5621, 5300, 5677, 5653, 5560, 5520, 5279, 5642, 5635, 5700, 5575, 5414 (4 hits) (06/30/2011 03:03:25 PM)
29	9	1.0	333.0	Yes	5541.0MHz, -63.0dBm	Hop sequence: 5673, 5725, 5364, 5319, 5509, 5407, 5434, 5669, 5539, 5416, 5530, 5470, 5340, 5269, 5483, 5720, 5494, 5266, 5382, 5625, 5628, 5316, 5508, 5256, 5503, 5606, 5677, 5712, 5476, 5310, 5318, 5587, 5304, 5280, 5527, 5595, 5271, 5287, 5585, 5436, 5274, 5603, 5566, 5384, 5550, 5618, 5571, 5580, 5334, 5267, 5302, 5432, 5653,

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
						5396, 5281, 5561, 5443, 5377, 5297, 5644, 5659, 5665, 5664, 5390, 5656, 5518, 5589, 5368, 5346, 5599, 5335, 5282, 5631, 5496, 5291, 5635, 5525, 5654, 5711, 5329, 5336, 5325, 5627, 5455, 5682, 5619, 5564, 5572, 5513, 5465, 5355, 5373, 5609, 5617, 5253, 5251, 5670, 5531, 5351, 5468 (1 hits) (06/30/2011 03:03:33 PM)
30	9	1.0	333.0	Yes	5542.0MHz, -63.0dBm	Hop sequence: 5263, 5526, 5648, 5652, 5317, 5318, 5625, 5611, 5285, 5470, 5576, 5626, 5496, 5365, 5566, 5346, 5591, 5701, 5258, 5419, 5522, 5624, 5354, 5408, 5387, 5532, 5436, 5720, 5568, 5469, 5489, 5378, 5477, 5681, 5671, 5659, 5409, 5404, 5650, 5286, 5715, 5586, 5702, 5334, 5270, 5501, 5518, 5468, 5301, 5533, 5306, 5319, 5554, 5363, 5619, 5605, 5613, 5500, 5407, 5644, 5511, 5698, 5377, 5455, 5406, 5643, 5361, 5683, 5519, 5555, 5345, 5572, 5264, 5400, 5678, 5497, 5466, 5391, 5475, 5471, 5416, 5430, 5649, 5610, 5549, 5375, 5598, 5360, 5685, 5517, 5465, 5484, 5326, 5371, 5282, 5638, 5695, 5632, 5364, 5588 (2 hits) (06/30/2011 03:03:45 PM)
31	9	1.0	333.0	Yes	5543.0MHz, -63.0dBm	Hop sequence: 5348, 5424, 5252, 5366, 5279, 5670, 5300, 5433, 5387, 5626, 5679, 5325, 5621, 5380, 5368, 5666, 5564, 5569, 5605, 5685, 5697, 5317, 5389, 5327, 5655, 5406, 5587, 5598, 5678, 5559, 5518, 5706, 5495, 5694, 5464, 5620, 5581, 5360, 5384, 5570, 5665, 5425, 5412, 5378, 5261, 5355, 5604, 5652, 5717, 5404, 5705, 5308, 5503, 5724, 5637, 5511, 5667, 5452, 5583, 5282, 5698, 5527, 5470, 5582, 5636, 5554, 5659, 5428, 5335, 5459, 5349, 5328, 5457, 5572, 5690, 5516, 5463, 5313, 5277, 5578, 5374, 5264, 5289, 5390, 5692, 5329, 5532, 5549, 5421, 5641, 5367, 5411, 5401, 5299, 5531, 5435, 5287, 5544, 5718, 5576 (2 hits) (06/30/2011 03:04:07 PM)

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
32	9	1.0	333.0	Yes	5544.0MHz, -63.0dBm	Hop sequence: 5311, 5721, 5528, 5470, 5306, 5347, 5584, 5707, 5368, 5367, 5292, 5361, 5690, 5725, 5488, 5472, 5626, 5264, 5617, 5494, 5594, 5365, 5650, 5434, 5339, 5673, 5450, 5598, 5537, 5571, 5509, 5297, 5657, 5575, 5715, 5714, 5489, 5414, 5303, 5623, 5692, 5545, 5597, 5534, 5290, 5451, 5372, 5709, 5257, 5381, 5411, 5717, 5276, 5689, 5307, 5599, 5520, 5501, 5316, 5515, 5465, 5624, 5701, 5713, 5605, 5587, 5394, 5282, 5362, 5600, 5293, 5616, 5630, 5661, 5419, 5678, 5677, 5374, 5496, 5559, 5562, 5323, 5558, 5433, 5720, 5555, 5417, 5355, 5622, 5565, 5491, 5315, 5581, 5665, 5696, 5338, 5556, 5613, 5521, 5431 (3 hits) (06/30/2011 03:04:15 PM)
33	9	1.0	333.0	Yes	5545.0MHz, -63.0dBm	Hop sequence: 5722, 5415, 5441, 5376, 5586, 5646, 5550, 5363, 5589, 5408, 5525, 5505, 5403, 5710, 5502, 5556, 5336, 5388, 5652, 5316, 5575, 5284, 5654, 5375, 5421, 5541, 5455, 5637, 5603, 5478, 5319, 5640, 5263, 5704, 5349, 5562, 5694, 5653, 5313, 5668, 5552, 5715, 5500, 5527, 5267, 5545, 5295, 5446, 5341, 5386, 5683, 5673, 5574, 5255, 5685, 5598, 5551, 5469, 5452, 5639, 5563, 5430, 5681, 5411, 5625, 5281, 5669, 5705, 5450, 5291, 5634, 5577, 5631, 5558, 5312, 5717, 5643, 5429, 5498, 5385, 5374, 5431, 5546, 5308, 5614, 5712, 5638, 5395, 5629, 5423, 5416, 5602, 5524, 5437, 5296, 5283, 5318, 5719, 5648, 5641 (3 hits) (06/30/2011 03:04:25 PM)
34	9	1.0	333.0	Yes	5546.0MHz, -63.0dBm	Hop sequence: 5433, 5448, 5477, 5645, 5593, 5424, 5273, 5429, 5721, 5311, 5699, 5288, 5557, 5547, 5463, 5556, 5670, 5708, 5596, 5295, 5452, 5567, 5381, 5707, 5336, 5362, 5460, 5315, 5548, 5394, 5523, 5299, 5417, 5629, 5414, 5568, 5350, 5625, 5621, 5416, 5524, 5354, 5563, 5260, 5432, 5723, 5446, 5346, 5585, 5499, 5696, 5520, 5277,

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
						5709, 5358, 5312, 5522, 5319, 5516, 5437, 5679, 5450, 5372, 5525, 5655, 5493, 5521, 5617, 5603, 5289, 5527, 5309, 5526, 5574, 5552, 5589, 5554, 5355, 5495, 5476, 5484, 5327, 5703, 5704, 5462, 5367, 5598, 5506, 5644, 5301, 5305, 5533, 5538, 5377, 5697, 5415, 5467, 5303, 5383, 5322 (4 hits) (06/30/2011 03:04:41 PM)

Table 44 - Summary of All Results - 40MHz

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	90.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	73.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	80.0 %	60.0 %	30	PASSED
Aggregate of above results	85.0 %	80.0 %	120	PASSED
Long Sequence	80.0 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	97.3 %	70.0 %	37	PASSED

Table 45 - 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	5550.0MHz, -63.0dBm	Single burst (06/30/2011 03:58:52 PM)
2	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 03:59:01 PM)
3	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 03:59:11 PM)
4	18	1.0	1428.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 03:59:20 PM)
5	18	1.0	1428.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 03:59:27 PM)
6	18	1.0	1428.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 03:59:34 PM)
7	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 03:59:46 PM)
8	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 03:59:53 PM)
9	18	1.0	1428.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:00:00 PM)
10	18	1.0	1428.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:00:10 PM)
11	18	1.0	1428.0	No	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:00:19 PM)
12	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:00:29 PM)
13	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:00:37 PM)
14	18	1.0	1428.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:00:44 PM)
15	18	1.0	1428.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:00:53 PM)
16	18	1.0	1428.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:01:00 PM)
17	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:01:22 PM)
18	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:01:29 PM)
19	18	1.0	1428.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:01:37 PM)
20	18	1.0	1428.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:01:44 PM)

Table 45 - FCC Short Pulse Radar (Type 1) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
21	18	1.0	1428.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:01:51 PM)
22	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:01:58 PM)
23	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:02:07 PM)
24	18	1.0	1428.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:02:14 PM)
25	18	1.0	1428.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:02:21 PM)
26	18	1.0	1428.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:02:29 PM)
27	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:02:37 PM)
28	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:02:46 PM)
29	18	1.0	1428.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:02:53 PM)
30	18	1.0	1428.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:03:00 PM)

Table 46 - 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	24	2.0	200.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:03:44 PM)
2	28	3.5	202.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:03:51 PM)
3	24	4.8	181.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:03:58 PM)
4	23	2.1	222.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:04:05 PM)
5	29	3.2	192.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:04:13 PM)
6	27	3.9	189.0	No	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:04:20 PM)
7	25	1.9	153.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:04:30 PM)
8	28	3.0	211.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:04:37 PM)
9	28	3.5	197.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:04:44 PM)
10	29	4.3	205.0	No	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:04:51 PM)
11	27	2.4	207.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:05:01 PM)
12	27	1.3	152.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:05:08 PM)
13	28	3.1	224.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:05:23 PM)
14	26	4.2	165.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:06:00 PM)
15	25	4.9	153.0	Yes	5555.0MHz,	Single burst (06/30/2011 04:06:12 PM)

Table 46 - FCC Short Pulse Radar (Type 2) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-63.0dBm	PM)
16	23	4.6	201.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:06:35 PM)
17	27	1.6	229.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:06:46 PM)
18	25	4.7	157.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:07:02 PM)
19	28	2.0	203.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:07:22 PM)
20	27	2.7	191.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:07:30 PM)
21	27	3.2	177.0	No	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:07:39 PM)
22	26	4.9	164.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:08:01 PM)
23	25	2.3	224.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:08:10 PM)
24	27	2.1	151.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:08:18 PM)
25	26	3.0	170.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:08:25 PM)
26	27	3.9	209.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:08:32 PM)
27	26	2.2	204.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:08:40 PM)
28	26	3.0	182.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:08:46 PM)
29	26	3.8	192.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:08:54 PM)
30	24	3.3	179.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:09:01 PM)

Table 47 - 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	16	9.5	457.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:09:33 PM)
2	17	7.8	280.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:09:55 PM)
3	17	6.2	405.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:11:39 PM)
4	16	8.7	428.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:11:46 PM)
5	17	7.7	500.0	No	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:11:54 PM)
6	17	6.8	345.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:12:03 PM)
7	18	9.8	372.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:12:12 PM)
8	17	7.7	273.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:12:20 PM)
9	17	7.3	470.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:12:27 PM)

Table 47 - FCC Short Pulse Radar (Type 3) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
10	16	7.5	211.0	No	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:12:36 PM)
11	16	9.6	315.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:12:48 PM)
12	17	7.2	299.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:12:55 PM)
13	17	9.3	456.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:13:04 PM)
14	16	10.0	489.0	No	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:13:12 PM)
15	17	7.3	323.0	No	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:13:31 PM)
16	17	6.3	204.0	No	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:13:40 PM)
17	16	7.4	341.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:13:49 PM)
18	17	9.0	247.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:13:56 PM)
19	18	7.7	231.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:14:04 PM)
20	17	9.6	397.0	No	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:14:11 PM)
21	18	7.3	276.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:14:21 PM)
22	18	6.3	372.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:14:28 PM)
23	17	6.7	378.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:14:35 PM)
24	16	9.2	334.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:14:41 PM)
25	18	10.0	304.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:14:49 PM)
26	18	8.1	291.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:14:56 PM)
27	17	7.0	213.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:15:03 PM)
28	16	8.8	282.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:15:10 PM)
29	17	6.8	356.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:15:18 PM)
30	18	7.2	242.0	No	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:15:38 PM)

Table 48 - 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	14	13.3	493.0	No	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:16:18 PM)
2	13	17.4	317.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:16:26 PM)
3	16	16.3	284.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:16:33 PM)

Table 48 - FCC Short Pulse Radar (Type 4) Results 40MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
4	13	16.5	355.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:16:40 PM)
5	15	19.6	311.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:16:47 PM)
6	15	14.8	274.0	No	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:16:54 PM)
7	14	18.1	315.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:17:03 PM)
8	14	12.4	244.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:17:10 PM)
9	15	16.0	349.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:17:17 PM)
10	13	18.6	200.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:17:24 PM)
11	13	14.2	235.0	No	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:17:32 PM)
12	15	14.4	381.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:17:40 PM)
13	15	16.2	346.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:17:48 PM)
14	13	14.3	361.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:17:56 PM)
15	13	16.2	268.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:18:03 PM)
16	16	12.7	459.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:18:10 PM)
17	12	19.4	252.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:18:17 PM)
18	14	17.9	358.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:18:25 PM)
19	15	14.1	420.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:18:32 PM)
20	14	17.0	279.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:18:39 PM)
21	14	15.6	497.0	Yes	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:18:48 PM)
22	12	14.0	451.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:18:55 PM)
23	14	12.6	440.0	No	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:19:02 PM)
24	15	12.3	288.0	Yes	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:19:11 PM)
25	15	11.8	402.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:19:18 PM)
26	12	15.6	452.0	No	5550.0MHz, -63.0dBm	Single burst (06/30/2011 04:19:25 PM)
27	13	16.9	466.0	Yes	5545.0MHz, -63.0dBm	Single burst (06/30/2011 04:19:34 PM)
28	16	12.5	357.0	Yes	5540.0MHz, -63.0dBm	Single burst (06/30/2011 04:19:43 PM)
29	15	13.5	346.0	No	5560.0MHz, -63.0dBm	Single burst (06/30/2011 04:19:51 PM)
30	13	19.0	285.0	Yes	5555.0MHz, -63.0dBm	Single burst (06/30/2011 04:19:59 PM)

Table 49 - Long Sequence Waveform Summary 40MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5550.0MHz, -63.0dBm
Trial #2	NOT Detected	5545.0MHz, -63.0dBm
Trial #3	Detected	5540.0MHz, -63.0dBm
Trial #4	Detected	5560.0MHz, -63.0dBm
Trial #5	Detected	5555.0MHz, -63.0dBm
Trial #6	Detected	5550.0MHz, -63.0dBm
Trial #7	NOT Detected	5545.0MHz, -63.0dBm
Trial #8	Detected	5540.0MHz, -63.0dBm
Trial #9	Detected	5560.0MHz, -63.0dBm
Trial #10	Detected	5555.0MHz, -63.0dBm
Trial #11	Detected	5550.0MHz, -63.0dBm
Trial #12	Detected	5545.0MHz, -63.0dBm
Trial #13	Detected	5540.0MHz, -63.0dBm
Trial #14	NOT Detected	5560.0MHz, -63.0dBm
Trial #15	Detected	5555.0MHz, -63.0dBm
Trial #16	Detected	5550.0MHz, -63.0dBm
Trial #17	NOT Detected	5545.0MHz, -63.0dBm
Trial #18	Detected	5540.0MHz, -63.0dBm
Trial #19	Detected	5560.0MHz, -63.0dBm
Trial #20	Detected	5555.0MHz, -63.0dBm
Trial #21	Detected	5550.0MHz, -63.0dBm
Trial #22	NOT Detected	5545.0MHz, -63.0dBm
Trial #23	NOT Detected	5540.0MHz, -63.0dBm
Trial #24	Detected	5560.0MHz, -63.0dBm
Trial #25	Detected	5555.0MHz, -63.0dBm
Trial #26	Detected	5550.0MHz, -63.0dBm
Trial #27	Detected	5545.0MHz, -63.0dBm

Table 49 - Long Sequence Waveform Summary 40MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #28	Detected	5540.0MHz, -63.0dBm
Trial #29	Detected	5560.0MHz, -63.0dBm
Trial #30	Detected	5555.0MHz, -63.0dBm

Table 50 - 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 (us)
1	1	54.2	6	-	-	0.429014
2	3	71.9	13	1138.0	1599.0	1.432450
3	2	91.0	10	1629.0	-	2.291121
4	1	58.4	13	-	-	2.940808
5	1	53.8	19	-	-	3.382835
6	3	94.9	15	1283.0	1042.0	4.004954
7	1	93.3	10	-	-	5.090254
8	1	83.1	6	-	-	6.014223
9	2	64.4	13	1300.0	-	7.084135
10	2	96.3	17	1732.0	-	7.623642
11	2	74.1	12	1062.0	-	8.644565
12	2	82.5	18	1724.0	-	9.497208
13	2	51.7	17	1027.0	-	9.602362
14	1	68.4	6	-	-	10.816286
15	2	53.6	6	1390.0	-	11.802784

Table 51 - 40MHz Long Sequence Waveform Trial#2 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	80.6	9	1692.0	1044.0	0.252033
2	3	77.9	10	1423.0	1639.0	0.920296
3	2	54.8	17	1133.0	-	1.376287
4	1	82.5	13	-	-	2.077336
5	2	97.4	13	1298.0	-	2.842472
6	3	94.7	15	1152.0	1335.0	3.069337
7	2	72.9	20	1804.0	-	3.680848
8	2	91.7	7	1162.0	-	4.365677
9	3	52.2	9	1306.0	1727.0	4.832133
10	3	72.7	10	1679.0	1830.0	5.460815
11	3	86.6	11	1940.0	1486.0	6.583629
12	3	90.5	8	1075.0	1284.0	6.945204
13	1	70.9	13	-	-	7.443775
14	2	92.9	17	1945.0	-	8.243361
15	2	79.6	8	1261.0	-	8.809723
16	2	83.3	15	1048.0	-	9.503321
17	1	58.2	8	-	-	9.603369
18	2	72.1	8	1775.0	-	10.299410
19	1	72.2	17	-	-	11.055352
20	2	55.2	9	1312.0	-	11.771240

Table 52 - 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 (us)
1	1	99.5	12	-	-	0.569675
2	3	74.5	8	1228.0	1978.0	1.104632
3	2	97.0	8	1075.0	-	1.351228
4	3	82.2	9	1387.0	1185.0	2.331321
5	3	59.6	19	1357.0	1517.0	2.704985
6	2	87.7	20	1918.0	-	3.751677
7	1	83.9	20	-	-	3.811897
8	2	74.9	9	1662.0	-	4.858584
9	3	72.9	16	1059.0	1367.0	5.325034
10	1	90.8	17	-	-	5.799101
11	2	59.3	15	1930.0	-	6.772022
12	2	68.2	10	1961.0	-	7.346779
13	2	69.5	18	1754.0	-	8.073738
14	2	87.6	17	1622.0	-	8.458951
15	3	94.9	12	1876.0	1847.0	8.939992
16	3	94.1	14	1549.0	1531.0	9.997267
17	2	69.8	20	1603.0	-	10.276275
18	1	63.8	15	-	-	11.039784
19	3	97.6	17	1291.0	1571.0	11.761452

Table 53 - 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 (us)
1	3	60.9	19	1351.0	1679.0	0.158989
2	3	72.1	15	1932.0	1453.0	0.629002
3	3	60.2	13	1410.0	1926.0	1.641196
4	2	57.4	11	1562.0	-	2.389043
5	3	58.7	12	1266.0	1023.0	2.807420
6	2	65.3	17	1896.0	-	3.058085
7	1	51.1	12	-	-	3.660034
8	2	79.8	11	1085.0	-	4.626344
9	3	59.6	13	1233.0	1418.0	5.048670
10	3	53.3	8	1185.0	1313.0	5.865423
11	2	98.2	7	1324.0	-	6.298710
12	2	90.6	8	1639.0	-	6.961312
13	3	54.3	5	1852.0	1150.0	7.391662
14	3	70.1	11	1100.0	1525.0	8.244644
15	2	51.6	10	1651.0	-	8.982171
16	2	89.2	16	1533.0	-	9.336321
17	3	58.6	11	1996.0	1191.0	10.123263
18	3	58.0	18	1554.0	1130.0	10.795766
19	2	53.2	12	1272.0	-	10.857486
20	2	71.5	8	1415.0	-	11.881958

Table 54 - 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 (us)
1	1	92.1	17	-	-	0.279061
2	1	80.3	19	-	-	0.724721
3	2	59.0	16	1943.0	-	1.374815

Table 54 - 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 (us)
4	2	71.9	10	1162.0	-	2.267185
5	1	75.3	17	-	-	2.791304
6	2	53.2	15	1998.0	-	3.660223
7	2	91.6	9	1121.0	-	4.164844
8	1	84.9	18	-	-	4.524117
9	1	58.5	13	-	-	5.349759
10	2	97.9	15	1317.0	-	6.031144
11	3	76.3	9	1328.0	1502.0	6.460300
12	2	87.3	14	1872.0	-	7.011590
13	3	82.4	10	1383.0	1852.0	7.591161
14	2	89.7	19	1945.0	-	8.765144
15	1	51.2	16	-	-	9.149394
16	1	53.8	7	-	-	9.536014
17	2	65.0	19	1179.0	-	10.276837
18	1	59.6	14	-	-	11.262662
19	2	56.6	12	1542.0	-	11.851830

Table 55 - 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 (us)
1	2	91.7	16	1310.0	-	0.352299
2	2	58.3	7	1625.0	-	0.893287
3	3	51.7	19	1818.0	1158.0	1.672431
4	1	98.5	8	-	-	2.596098
5	2	86.6	13	1926.0	-	3.015796
6	3	68.2	6	1321.0	1050.0	3.563038
7	2	61.0	11	1046.0	-	4.343352
8	3	94.5	14	1010.0	1939.0	4.737612
9	1	96.6	5	-	-	5.864265
10	3	96.2	11	1913.0	1035.0	6.114519
11	1	76.7	8	-	-	7.143945
12	2	63.7	18	1499.0	-	7.412409
13	2	76.4	9	1564.0	-	8.445747
14	2	64.1	18	1489.0	-	8.672690
15	1	82.0	17	-	-	9.376303
16	1	79.1	14	-	-	10.628403
17	1	89.0	14	-	-	11.198619
18	1	75.5	15	-	-	11.725338

Table 56 - 40MHz Long Sequence Waveform Trial#7 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	83.5	13	-	-	0.052361
2	2	76.6	10	1661.0	-	2.333101
3	1	59.1	13	-	-	2.415067
4	3	99.1	14	1714.0	1765.0	4.001563
5	3	82.4	16	1337.0	1679.0	5.856175
6	3	67.7	9	1930.0	1693.0	6.251974
7	3	82.5	19	1472.0	1005.0	7.491954
8	3	90.9	17	1175.0	1208.0	9.545643

Table 56 - 40MHz Long Sequence Waveform Trial#7 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
9	1	97.7	15	-	-	10.560140
10	1	54.1	18	-	-	11.834091

Table 57 - 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 (us)
1	2	94.0	19	1451.0	-	0.127270
2	3	95.1	15	1598.0	1572.0	0.815026
3	2	85.4	12	1620.0	-	1.887214
4	2	75.5	20	1359.0	-	2.490288
5	1	68.5	13	-	-	3.867653
6	2	92.4	10	1216.0	-	4.687915
7	2	55.8	6	1353.0	-	5.078022
8	2	96.2	14	1556.0	-	5.825453
9	2	55.5	10	1443.0	-	7.023434
10	1	66.3	16	-	-	7.695963
11	2	99.7	17	1239.0	-	8.071399
12	3	85.2	15	1461.0	1013.0	9.022504
13	2	64.3	18	1385.0	-	10.115561
14	3	73.2	11	1042.0	1158.0	10.783772
15	1	57.3	11	-	-	11.524871

Table 58 - 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 (us)
1	1	79.0	15	-	-	0.085896
2	1	74.6	6	-	-	2.036018
3	3	51.9	18	1421.0	1089.0	2.627893
4	3	94.4	5	1606.0	1145.0	4.312670
5	2	79.9	11	1594.0	-	4.491937
6	1	88.1	18	-	-	6.083660
7	2	89.7	8	1975.0	-	6.703822
8	3	98.3	16	1590.0	1397.0	7.920408
9	1	76.8	9	-	-	9.646243
10	3	61.1	9	1838.0	1043.0	10.260707
11	3	86.4	7	1628.0	1666.0	11.419517

Table 59 - 40MHz 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 (us)
1	2	80.2	17	1144.0	-	0.512932
2	2	55.8	18	1012.0	-	0.993043
3	1	94.0	17	-	-	1.375976
4	1	75.6	6	-	-	2.031647
5	2	81.1	13	1414.0	-	2.830609
6	3	79.5	12	1514.0	1914.0	3.187506
7	1	66.7	20	-	-	3.822766
8	1	53.9	19	-	-	4.262966
9	2	51.7	14	1246.0	-	5.348650

Table 59 - 40MHz 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 (us)
10	1	54.7	7	-	-	5.747541
11	3	68.9	17	1099.0	1743.0	6.493183
12	1	93.4	9	-	-	6.841024
13	3	99.6	6	1177.0	1165.0	7.468477
14	2	92.7	6	1236.0	-	8.004068
15	2	84.1	9	1649.0	-	8.921747
16	1	71.4	16	-	-	9.499620
17	2	86.8	10	1560.0	-	10.021876
18	3	60.9	12	1511.0	1919.0	10.502739
19	2	78.6	9	1164.0	-	10.951293
20	2	99.8	13	1651.0	-	11.599698

Table 60 - 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 (us)
1	1	56.8	7	-	-	0.064495
2	3	88.6	13	1576.0	1104.0	1.357212
3	3	56.9	16	1052.0	1312.0	2.376829
4	3	54.8	12	1271.0	1670.0	2.766997
5	3	66.6	6	1184.0	1548.0	3.707990
6	2	55.8	6	1792.0	-	4.336975
7	1	64.2	15	-	-	5.396313
8	3	75.8	16	1256.0	1734.0	5.992051
9	2	82.3	15	1366.0	-	6.535450
10	3	90.2	6	1021.0	1358.0	7.499993
11	2	58.7	18	1290.0	-	8.024500
12	3	53.8	16	1971.0	1693.0	9.053769
13	2	61.6	11	1260.0	-	10.357478
14	2	54.4	19	1500.0	-	11.103817
15	3	50.8	19	1767.0	1837.0	11.510849

Table 61 - 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 (us)
1	1	59.9	20	-	-	0.249808
2	3	77.4	19	1998.0	1356.0	1.163869
3	2	66.7	9	1518.0	-	1.553091
4	3	86.0	13	1520.0	1335.0	1.940753
5	2	99.8	5	1398.0	-	2.835519
6	2	69.5	6	1776.0	-	3.233970
7	3	92.4	15	1791.0	1100.0	3.750889
8	2	86.2	10	1479.0	-	4.459029
9	2	84.0	9	1507.0	-	4.927030
10	2	60.7	13	1264.0	-	5.507475
11	2	68.4	17	1466.0	-	6.267963
12	1	77.2	8	-	-	6.791149
13	3	81.6	12	1103.0	1810.0	7.423095
14	3	64.9	19	1327.0	1269.0	7.826174
15	2	54.7	9	1371.0	-	8.474845
16	2	98.3	19	1655.0	-	9.280037

Table 61 - 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 (us)
17	2	81.8	20	1976.0	-	9.731683
18	3	79.5	19	1897.0	1803.0	10.442573
19	2	61.5	16	1812.0	-	11.203914
20	2	98.5	7	1357.0	-	11.498099

Table 62 - 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 (us)
1	1	90.1	19	-	-	0.434750
2	2	63.4	12	1587.0	-	0.806371
3	3	96.6	8	1937.0	1297.0	1.459448
4	3	50.9	6	1119.0	1168.0	2.497943
5	1	86.7	9	-	-	2.563773
6	3	78.9	10	1849.0	1204.0	3.306633
7	2	65.3	13	1680.0	-	4.108705
8	2	60.0	13	1697.0	-	4.750464
9	1	91.4	10	-	-	5.237712
10	2	75.6	7	1501.0	-	6.101985
11	3	91.9	16	1097.0	1500.0	6.851042
12	2	95.6	6	1294.0	-	6.996418
13	1	82.5	15	-	-	7.999786
14	2	89.5	11	1774.0	-	8.466890
15	2	76.4	19	1600.0	-	9.400747
16	3	66.3	17	1927.0	1946.0	9.549431
17	2	87.5	12	1081.0	-	10.531783
18	2	64.7	13	1663.0	-	11.077948
19	2	99.4	16	1900.0	-	11.776855

Table 63 - 40MHz Long Sequence Waveform Trial#14 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	95.2	15	1576.0	1656.0	0.360047
2	2	79.8	14	1037.0	-	1.019661
3	2	65.6	13	1371.0	-	2.212736
4	1	65.8	9	-	-	3.153982
5	2	99.6	14	1937.0	-	4.873956
6	1	66.5	8	-	-	5.860242
7	3	80.9	16	1730.0	1448.0	6.875515
8	3	93.6	6	1738.0	1561.0	7.025651
9	2	92.9	17	1146.0	-	8.319187
10	2	72.2	12	1552.0	-	9.792263
11	3	52.3	20	1385.0	1125.0	10.113569
12	2	94.3	13	1478.0	-	11.132395

Table 64 - 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 (us)
1	2	57.7	19	1408.0	-	1.236870
2	3	59.9	17	1095.0	1376.0	2.785497

Table 64 - 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 (us)
3	3	59.5	18	1807.0	1084.0	4.147698
4	2	74.6	15	1301.0	-	5.460651
5	2	76.1	17	1034.0	-	6.001282
6	2	88.4	11	1944.0	-	7.562709
7	2	69.4	13	1561.0	-	9.436857
8	2	91.3	14	1929.0	-	10.586916

Table 65 - 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 (us)
1	2	96.0	5	1792.0	-	0.495914
2	2	93.7	16	1607.0	-	1.413585
3	3	63.5	12	1700.0	1027.0	2.074197
4	2	84.3	7	1803.0	-	3.411468
5	2	94.8	6	1328.0	-	4.557560
6	2	83.0	13	1430.0	-	5.308587
7	2	63.8	17	1767.0	-	6.820547
8	3	58.5	13	1131.0	1905.0	7.511937
9	2	74.7	7	1144.0	-	8.439450
10	3	56.7	12	1451.0	1189.0	9.190003
11	2	70.8	8	1672.0	-	10.465932
12	2	76.9	13	1008.0	-	11.956410

Table 66 - 40MHz Long Sequence Waveform Trial#17 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	69.8	12	1314.0	1709.0	0.863674
2	1	92.5	11	-	-	2.124546
3	2	53.2	6	1327.0	-	3.033844
4	2	64.8	9	1214.0	-	4.124375
5	2	75.9	16	1039.0	-	6.232602
6	1	86.2	13	-	-	7.307222
7	2	79.9	10	1710.0	-	8.426100
8	3	63.7	9	1586.0	1164.0	10.284656
9	2	97.9	8	1134.0	-	11.645198

Table 67 - 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 (us)
1	3	89.0	15	1241.0	1545.0	0.004894
2	2	53.1	6	1137.0	-	1.364338
3	2	72.1	17	1945.0	-	3.531927
4	2	61.4	14	1492.0	-	3.810895
5	1	72.2	14	-	-	4.985720
6	2	99.6	16	1639.0	-	6.369164
7	2	87.9	20	1066.0	-	7.977861
8	2	93.5	7	1953.0	-	9.142639
9	3	94.8	11	1307.0	1262.0	10.381923
10	2	68.5	6	1431.0	-	11.174389

Table 68 - 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 (us)
1	1	87.2	10	-	-	0.256446
2	1	64.4	9	-	-	0.876316
3	2	58.0	8	1627.0	-	1.601151
4	2	98.2	12	1047.0	-	2.292897
5	2	58.9	16	1623.0	-	3.225550
6	1	75.9	13	-	-	3.819458
7	1	52.3	16	-	-	4.645525
8	2	52.8	18	1741.0	-	4.670062
9	3	64.2	8	1522.0	1757.0	5.917865
10	1	89.9	7	-	-	6.509863
11	2	70.3	9	1184.0	-	7.178782
12	1	81.3	19	-	-	7.784236
13	3	76.2	8	1118.0	1172.0	8.055627
14	1	91.3	7	-	-	9.001435
15	2	90.1	9	1003.0	-	9.709839
16	1	67.6	6	-	-	10.252905
17	1	61.0	7	-	-	11.027901
18	2	60.1	7	1869.0	-	11.532032

Table 69 - 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 (us)
1	2	76.3	18	1406.0	-	0.439489
2	2	68.7	12	1242.0	-	0.713362
3	2	54.7	18	1711.0	-	1.454505
4	2	75.4	12	1520.0	-	2.239544
5	3	57.8	10	1542.0	1204.0	2.978765
6	3	98.7	18	1594.0	1651.0	3.683306
7	2	51.5	11	1003.0	-	3.808512
8	3	87.2	12	1638.0	1181.0	4.726112
9	3	70.8	13	1985.0	1094.0	5.249121
10	2	62.3	15	1812.0	-	5.693925
11	1	93.7	12	-	-	6.433822
12	2	57.9	12	1685.0	-	7.560961
13	2	93.8	19	1018.0	-	8.072845
14	2	59.9	9	1617.0	-	8.281797
15	1	85.9	11	-	-	8.877832
16	1	82.6	10	-	-	9.938514
17	2	63.3	15	1499.0	-	10.349543
18	2	84.5	16	1016.0	-	10.852868
19	2	60.4	5	1626.0	-	11.951881

Table 70 - 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 (us)
1	2	70.2	6	1997.0	-	0.449977
2	1	79.2	13	-	-	1.253762
3	1	84.1	5	-	-	1.679234
4	2	70.5	8	1019.0	-	2.743824

Table 70 - 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 (us)
5	1	65.9	10	-	-	3.210194
6	2	90.0	9	1720.0	-	4.162144
7	3	63.8	20	1808.0	1646.0	5.578331
8	3	99.1	18	1118.0	1362.0	6.148777
9	2	75.3	14	1954.0	-	6.867629
10	2	92.5	11	1265.0	-	7.487581
11	3	85.4	15	1282.0	1689.0	8.138972
12	2	75.2	16	1870.0	-	9.360007
13	1	51.2	12	-	-	9.853213
14	2	90.3	11	1094.0	-	10.706946
15	3	53.7	15	1544.0	1183.0	11.449382

Table 71 - 40MHz Long Sequence Waveform Trial#22 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	70.5	8	1937.0	-	0.752361
2	2	83.1	7	1637.0	-	1.613545
3	2	73.9	10	1995.0	-	2.210572
4	1	90.4	18	-	-	3.370413
5	3	73.1	10	1313.0	1616.0	5.310340
6	2	71.1	13	1605.0	-	5.873319
7	2	68.8	8	1679.0	-	7.177313
8	3	71.0	13	1810.0	1463.0	8.184987
9	3	76.0	18	1368.0	1762.0	9.195832
10	3	52.3	18	1858.0	1857.0	10.139820
11	2	55.7	12	1059.0	-	11.283753

Table 72 - 40MHz Long Sequence Waveform Trial#23 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	77.1	10	1505.0	-	1.098088
2	1	72.8	8	-	-	1.715375
3	2	76.2	9	1391.0	-	2.950945
4	2	99.7	16	1880.0	-	4.739212
5	2	82.5	17	1642.0	-	5.761771
6	3	99.9	19	1218.0	1351.0	7.184994
7	1	51.2	15	-	-	7.763750
8	3	74.1	12	1049.0	1418.0	9.038523
9	2	61.7	9	1468.0	-	9.875973
10	2	91.7	20	1234.0	-	11.903201

Table 73 - 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 (us)
1	2	71.6	10	1240.0	-	0.009547
2	2	53.2	12	1451.0	-	1.715616
3	3	72.9	13	1044.0	1935.0	2.519158
4	1	95.0	19	-	-	3.585647
5	1	74.0	15	-	-	5.186754

Table 73 - 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 (us)
6	3	69.0	14	1248.0	1610.0	5.565503
7	3	92.8	17	1304.0	1274.0	6.867168
8	2	85.4	9	1686.0	-	8.647392
9	3	50.4	5	1291.0	1736.0	9.448177
10	3	92.6	14	1080.0	1964.0	10.616984
11	2	55.2	5	1197.0	-	10.978002

Table 74 - 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 (us)
1	2	80.8	10	1823.0	-	0.281232
2	2	91.6	16	1820.0	-	0.857033
3	1	92.8	14	-	-	1.780916
4	3	58.6	12	1087.0	1939.0	2.917387
5	2	96.2	17	1933.0	-	3.830171
6	1	77.8	8	-	-	4.385811
7	2	96.2	8	1116.0	-	4.847676
8	2	71.3	19	1838.0	-	5.681840
9	2	75.2	6	1289.0	-	6.576056
10	2	61.8	17	1945.0	-	7.825729
11	3	71.0	10	1600.0	1757.0	8.221635
12	2	85.8	14	1490.0	-	9.488017
13	2	69.1	7	1777.0	-	10.186236
14	2	89.4	16	1026.0	-	11.030904
15	3	83.3	8	1260.0	1795.0	11.496535

Table 75 - 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 (us)
1	1	76.5	8	-	-	1.103319
2	3	66.9	7	1583.0	1703.0	2.269303
3	1	54.4	19	-	-	3.291947
4	3	67.0	14	1589.0	1589.0	4.480269
5	3	73.6	18	1208.0	1488.0	5.806582
6	3	92.5	17	1527.0	1217.0	6.016328
7	3	59.4	13	1672.0	1687.0	7.245250
8	2	66.7	18	1561.0	-	9.395929
9	3	62.7	7	1164.0	1824.0	10.450643
10	2	76.4	8	1568.0	-	11.163948

Table 76 - 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 (us)
1	2	77.7	12	1883.0	-	0.203410
2	1	81.0	7	-	-	1.857087
3	1	87.8	6	-	-	2.867390
4	2	56.1	17	1979.0	-	3.807677
5	2	52.8	14	1472.0	-	4.304939
6	2	86.2	17	1277.0	-	5.011341

Table 76 - 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 (us)
7	3	82.2	8	1077.0	1424.0	6.704490
8	1	67.4	13	-	-	7.452943
9	2	59.6	7	1306.0	-	8.533779
10	3	90.3	16	1150.0	1759.0	9.548215
11	2	83.3	19	1377.0	-	10.141373
12	1	96.6	16	-	-	11.025348

Table 77 - 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 (us)
1	2	94.0	12	1635.0	-	0.081802
2	3	98.1	19	1916.0	1531.0	1.050743
3	3	64.7	15	1351.0	1291.0	2.379275
4	1	54.5	9	-	-	3.134800
5	2	76.9	9	1993.0	-	4.396772
6	2	98.3	15	1079.0	-	5.071309
7	2	80.9	10	1583.0	-	6.163566
8	3	56.2	7	1981.0	1260.0	7.038764
9	2	65.5	8	1460.0	-	8.029387
10	2	63.4	6	1944.0	-	8.916237
11	1	55.3	5	-	-	10.039766
12	1	65.2	18	-	-	10.251143
13	3	58.8	16	1156.0	1291.0	11.903581

Table 78 - 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 (us)
1	2	73.3	12	1243.0	-	0.151522
2	2	84.9	15	1555.0	-	1.239027
3	2	80.2	8	1709.0	-	1.663503
4	1	70.6	13	-	-	2.116787
5	2	84.5	11	1876.0	-	2.570968
6	1	87.6	16	-	-	3.345670
7	2	87.5	13	1849.0	-	4.405998
8	2	72.8	15	1617.0	-	4.968853
9	2	57.1	9	1194.0	-	5.191426
10	2	99.5	18	1333.0	-	6.070574
11	3	78.5	19	1763.0	1909.0	6.381748
12	3	93.0	10	1023.0	1181.0	7.072254
13	3	98.5	18	1102.0	1981.0	7.841121
14	2	58.3	11	1393.0	-	8.215223
15	2	76.6	12	1320.0	-	9.441106
16	3	97.7	17	1717.0	1634.0	9.913189
17	2	67.8	13	1316.0	-	10.632944
18	2	83.3	19	1861.0	-	11.177503
19	1	85.9	10	-	-	11.456673

Table 79 - 40MHz 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 (us)
1	2	84.5	15	1673.0	-	0.620040
2	3	73.9	11	1808.0	1229.0	1.221486
3	1	68.3	15	-	-	2.336054
4	1	87.9	13	-	-	3.319874
5	2	51.8	9	1147.0	-	4.955108
6	2	57.0	17	1172.0	-	5.977065
7	1	68.3	16	-	-	6.653713
8	3	93.1	16	1649.0	1182.0	7.644779
9	1	50.3	17	-	-	8.642572
10	1	82.3	13	-	-	9.940447
11	2	51.4	15	1918.0	-	10.465962
12	2	89.9	16	1765.0	-	11.033412

Table 80 - Summary of All Results - 40MHz

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC frequency hopping radar (Type 6)	97.3 %	70.0 %	37	PASSED

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	5567.0MHz, -63.0dBm	Hop sequence: 5478, 5558, 5314, 5579, 5522, 5476, 5532, 5350, 5665, 5638, 5393, 5536, 5469, 5259, 5429, 5704, 5305, 5674, 5612, 5365, 5627, 5606, 5664, 5725, 5335, 5485, 5373, 5656, 5273, 5264, 5266, 5466, 5470, 5592, 5700, 5565, 5696, 5654, 5384, 5497, 5560, 5553, 5276, 5362, 5421, 5499, 5702, 5452, 5444, 5352, 5599, 5500, 5395, 5486, 5303, 5392, 5344, 5333, 5453, 5628, 5412, 5420, 5337, 5587, 5717, 5482, 5422, 5317, 5342, 5544, 5332, 5292, 5492, 5635, 5650, 5479, 5547, 5505, 5562, 5311, 5590, 5518, 5297, 5477, 5667, 5643, 5261, 5446, 5325, 5503, 5597, 5425, 5295, 5438, 5387, 5575, 5439, 5534, 5546, 5427 (11 hits) (06/30/2011 04:33:49 PM)
2	9	1.0	333.0	Yes	5568.0MHz, -63.0dBm	Hop sequence: 5517, 5550, 5542, 5633, 5372, 5574, 5452, 5671, 5485, 5255, 5269, 5435, 5709, 5484, 5289, 5630, 5298, 5414, 5552, 5306, 5285, 5318, 5304, 5299, 5437, 5579, 5364, 5415, 5276, 5518, 5303, 5559, 5611, 5521, 5322, 5319, 5330, 5712, 5478, 5662, 5547, 5546, 5710, 5641, 5567, 5623, 5653, 5494, 5620, 5495, 5510, 5502, 5342,

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
						5488, 5316, 5543, 5286, 5257, 5564, 5674, 5680, 5431, 5422, 5279, 5708, 5332, 5498, 5612, 5271, 5426, 5684, 5277, 5590, 5377, 5678, 5681, 5650, 5632, 5719, 5614, 5259, 5312, 5565, 5349, 5474, 5290, 5531, 5629, 5331, 5524, 5663, 5560, 5613, 5672, 5676, 5615, 5253, 5583, 5424, 5725 (11 hits) (06/30/2011 04:33:56 PM)
3	9	1.0	333.0	Yes	5532.0MHz, -63.0dBm	Hop sequence: 5378, 5718, 5360, 5598, 5666, 5499, 5591, 5309, 5681, 5337, 5642, 5468, 5483, 5523, 5708, 5318, 5577, 5668, 5536, 5661, 5447, 5345, 5266, 5273, 5581, 5482, 5578, 5680, 5423, 5314, 5259, 5630, 5374, 5636, 5479, 5658, 5270, 5722, 5391, 5575, 5500, 5702, 5629, 5539, 5656, 5605, 5603, 5440, 5340, 5563, 5277, 5560, 5438, 5467, 5721, 5519, 5478, 5250, 5571, 5342, 5405, 5441, 5503, 5401, 5475, 5648, 5624, 5411, 5410, 5627, 5256, 5452, 5453, 5556, 5586, 5282, 5513, 5421, 5457, 5252, 5614, 5657, 5424, 5426, 5356, 5481, 5328, 5300, 5390, 5580, 5382, 5726, 5631, 5323, 5407, 5336, 5678, 5291, 5445, 5381 (5 hits) (06/30/2011 04:34:02 PM)
4	9	1.0	333.0	Yes	5533.0MHz, -63.0dBm	Hop sequence: 5607, 5318, 5454, 5324, 5621, 5567, 5446, 5463, 5439, 5694, 5688, 5635, 5519, 5407, 5675, 5292, 5284, 5359, 5448, 5464, 5405, 5636, 5616, 5420, 5652, 5320, 5419, 5357, 5568, 5278, 5589, 5353, 5629, 5570, 5525, 5467, 5305, 5288, 5402, 5435, 5593, 5303, 5416, 5704, 5281, 5534, 5666, 5417, 5331, 5690, 5654, 5275, 5592, 5378, 5418, 5553, 5489, 5425, 5642, 5478, 5316, 5422, 5577, 5533, 5351, 5395, 5465, 5713, 5486, 5374, 5492, 5272, 5724, 5660, 5650, 5591, 5323, 5453, 5622, 5641, 5706, 5676, 5562, 5668, 5701, 5543, 5430, 5429, 5340, 5434, 5268, 5564, 5333, 5336, 5696, 5536, 5312, 5254, 5689, 5406 (9 hits) (06/30/2011 04:34:09 PM)

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
5	9	1.0	333.0	Yes	5534.0MHz, -63.0dBm	Hop sequence: 5401, 5412, 5638, 5403, 5605, 5477, 5640, 5629, 5560, 5282, 5484, 5445, 5601, 5702, 5400, 5351, 5331, 5435, 5535, 5462, 5486, 5695, 5356, 5716, 5693, 5466, 5610, 5571, 5647, 5271, 5468, 5461, 5343, 5519, 5328, 5662, 5580, 5505, 5721, 5472, 5488, 5593, 5636, 5314, 5688, 5289, 5699, 5490, 5671, 5635, 5606, 5572, 5597, 5690, 5717, 5600, 5290, 5570, 5510, 5381, 5573, 5259, 5563, 5296, 5540, 5378, 5514, 5557, 5694, 5558, 5370, 5544, 5319, 5577, 5364, 5559, 5302, 5268, 5576, 5515, 5300, 5365, 5410, 5375, 5720, 5256, 5483, 5428, 5304, 5507, 5320, 5564, 5443, 5464, 5498, 5574, 5652, 5387, 5660, 5402 (9 hits) (06/30/2011 04:34:16 PM)
6	9	1.0	333.0	Yes	5535.0MHz, -63.0dBm	Hop sequence: 5621, 5477, 5544, 5310, 5400, 5334, 5623, 5448, 5300, 5713, 5695, 5691, 5647, 5412, 5595, 5434, 5603, 5507, 5268, 5548, 5668, 5580, 5625, 5711, 5473, 5391, 5320, 5676, 5582, 5282, 5584, 5433, 5680, 5690, 5322, 5679, 5612, 5587, 5378, 5278, 5286, 5697, 5447, 5358, 5656, 5662, 5624, 5470, 5467, 5563, 5501, 5383, 5573, 5633, 5664, 5609, 5461, 5472, 5271, 5583, 5326, 5506, 5317, 5717, 5569, 5290, 5468, 5663, 5487, 5562, 5428, 5567, 5541, 5552, 5270, 5673, 5490, 5350, 5550, 5566, 5693, 5515, 5482, 5347, 5440, 5483, 5405, 5316, 5452, 5646, 5593, 5525, 5491, 5638, 5590, 5451, 5421, 5551, 5259, 5531 (10 hits) (06/30/2011 04:34:22 PM)
7	9	1.0	333.0	Yes	5536.0MHz, -63.0dBm	Hop sequence: 5511, 5317, 5481, 5391, 5663, 5622, 5388, 5557, 5314, 5387, 5494, 5604, 5508, 5713, 5569, 5717, 5428, 5300, 5675, 5392, 5534, 5313, 5464, 5724, 5328, 5440, 5500, 5558, 5535, 5251, 5441, 5636, 5286, 5580, 5471, 5642, 5271, 5553, 5686, 5544, 5488, 5640, 5616, 5512, 5609, 5377, 5661, 5656, 5561, 5413, 5305, 5444, 5266,

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
						5330, 5474, 5276, 5605, 5265, 5345, 5496, 5521, 5368, 5506, 5502, 5397, 5470, 5700, 5267, 5614, 5666, 5454, 5411, 5648, 5644, 5696, 5499, 5460, 5485, 5723, 5294, 5258, 5526, 5261, 5346, 5721, 5635, 5645, 5536, 5623, 5379, 5289, 5491, 5316, 5426, 5407, 5625, 5509, 5575, 5549, 5533 (10 hits) (06/30/2011 04:34:29 PM)
8	9	1.0	333.0	Yes	5537.0MHz, -63.0dBm	Hop sequence: 5440, 5554, 5429, 5607, 5334, 5642, 5481, 5665, 5562, 5512, 5486, 5573, 5619, 5351, 5447, 5299, 5410, 5532, 5659, 5522, 5710, 5662, 5438, 5305, 5523, 5691, 5290, 5583, 5581, 5508, 5608, 5465, 5700, 5588, 5415, 5530, 5539, 5271, 5564, 5407, 5670, 5667, 5293, 5477, 5250, 5537, 5491, 5360, 5471, 5671, 5330, 5297, 5443, 5341, 5390, 5455, 5313, 5306, 5641, 5525, 5480, 5655, 5380, 5391, 5706, 5566, 5458, 5454, 5604, 5329, 5370, 5375, 5680, 5284, 5411, 5394, 5405, 5286, 5350, 5413, 5711, 5551, 5643, 5457, 5597, 5364, 5578, 5524, 5628, 5594, 5319, 5555, 5514, 5657, 5461, 5309, 5506, 5686, 5567, 5618 (10 hits) (06/30/2011 04:34:36 PM)
9	9	1.0	333.0	Yes	5538.0MHz, -63.0dBm	Hop sequence: 5560, 5709, 5348, 5314, 5311, 5482, 5360, 5663, 5715, 5656, 5587, 5532, 5574, 5328, 5302, 5270, 5433, 5507, 5277, 5503, 5414, 5393, 5405, 5652, 5283, 5697, 5358, 5695, 5651, 5567, 5701, 5452, 5700, 5258, 5537, 5671, 5647, 5362, 5566, 5457, 5524, 5370, 5513, 5441, 5389, 5456, 5256, 5291, 5686, 5685, 5693, 5682, 5446, 5506, 5638, 5569, 5303, 5613, 5578, 5605, 5334, 5278, 5670, 5383, 5254, 5626, 5694, 5315, 5343, 5401, 5356, 5553, 5342, 5557, 5611, 5257, 5624, 5593, 5634, 5418, 5423, 5454, 5417, 5572, 5591, 5688, 5349, 5354, 5540, 5594, 5480, 5430, 5689, 5494, 5318, 5563, 5293, 5543, 5323, 5464 (10 hits) (06/30/2011 04:34:42 PM)

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
10	9	1.0	333.0	Yes	5539.0MHz, -63.0dBm	Hop sequence: 5500, 5708, 5640, 5436, 5466, 5262, 5627, 5651, 5670, 5327, 5300, 5504, 5273, 5534, 5356, 5384, 5445, 5696, 5440, 5376, 5486, 5448, 5411, 5616, 5377, 5714, 5421, 5378, 5530, 5517, 5392, 5499, 5639, 5319, 5352, 5657, 5668, 5292, 5647, 5641, 5650, 5528, 5416, 5285, 5505, 5614, 5480, 5593, 5605, 5636, 5526, 5350, 5509, 5298, 5644, 5566, 5354, 5594, 5665, 5724, 5549, 5494, 5368, 5302, 5675, 5336, 5541, 5469, 5437, 5267, 5343, 5699, 5433, 5393, 5335, 5420, 5582, 5418, 5719, 5672, 5630, 5387, 5391, 5278, 5340, 5577, 5545, 5408, 5705, 5338, 5344, 5325, 5602, 5316, 5674, 5677, 5646, 5527, 5539, 5475 (6 hits) (06/30/2011 04:34:49 PM)
11	9	1.0	333.0	Yes	5540.0MHz, -63.0dBm	Hop sequence: 5559, 5362, 5502, 5303, 5698, 5491, 5314, 5606, 5721, 5447, 5387, 5413, 5516, 5478, 5543, 5510, 5541, 5545, 5623, 5668, 5369, 5315, 5415, 5434, 5724, 5429, 5275, 5617, 5674, 5509, 5294, 5458, 5391, 5337, 5712, 5370, 5408, 5649, 5648, 5504, 5709, 5533, 5515, 5363, 5393, 5717, 5594, 5723, 5480, 5351, 5453, 5720, 5676, 5598, 5554, 5657, 5530, 5705, 5406, 5457, 5581, 5251, 5713, 5520, 5711, 5524, 5282, 5627, 5677, 5284, 5569, 5297, 5279, 5576, 5468, 5521, 5640, 5327, 5407, 5547, 5455, 5548, 5573, 5424, 5643, 5725, 5658, 5722, 5686, 5512, 5269, 5561, 5656, 5422, 5689, 5673, 5699, 5397, 5401, 5550 (10 hits) (06/30/2011 04:34:55 PM)
12	9	1.0	333.0	Yes	5541.0MHz, -63.0dBm	Hop sequence: 5704, 5698, 5386, 5399, 5612, 5576, 5566, 5529, 5552, 5266, 5407, 5617, 5486, 5328, 5592, 5553, 5468, 5462, 5463, 5722, 5604, 5264, 5495, 5365, 5656, 5337, 5354, 5451, 5341, 5517, 5274, 5596, 5664, 5638, 5621, 5378, 5412, 5461, 5642, 5559, 5442, 5343, 5643, 5618, 5481, 5587, 5636, 5453, 5470, 5709, 5436, 5373, 5668,

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
						5536, 5706, 5661, 5610, 5416, 5494, 5650, 5487, 5705, 5313, 5703, 5593, 5719, 5398, 5259, 5394, 5718, 5452, 5613, 5446, 5510, 5299, 5449, 5364, 5589, 5634, 5405, 5548, 5374, 5710, 5699, 5521, 5367, 5319, 5539, 5376, 5583, 5333, 5689, 5413, 5614, 5403, 5527, 5679, 5273, 5512, 5411 (7 hits) (06/30/2011 04:35:01 PM)
13	9	1.0	333.0	Yes	5542.0MHz, -63.0dBm	Hop sequence: 5489, 5402, 5292, 5413, 5350, 5302, 5412, 5334, 5379, 5643, 5682, 5573, 5251, 5446, 5501, 5654, 5336, 5653, 5325, 5512, 5435, 5680, 5449, 5268, 5712, 5638, 5503, 5516, 5479, 5552, 5524, 5436, 5286, 5287, 5705, 5331, 5450, 5455, 5495, 5437, 5581, 5689, 5527, 5406, 5523, 5560, 5589, 5303, 5299, 5641, 5389, 5585, 5538, 5477, 5605, 5660, 5255, 5645, 5459, 5326, 5615, 5662, 5627, 5284, 5409, 5358, 5537, 5460, 5725, 5545, 5312, 5565, 5578, 5720, 5430, 5375, 5333, 5261, 5306, 5496, 5579, 5580, 5272, 5462, 5688, 5572, 5386, 5340, 5425, 5568, 5262, 5502, 5405, 5652, 5686, 5418, 5567, 5588, 5554, 5341 (9 hits) (06/30/2011 04:35:08 PM)
14	9	1.0	333.0	Yes	5543.0MHz, -63.0dBm	Hop sequence: 5545, 5579, 5275, 5438, 5314, 5302, 5338, 5480, 5346, 5325, 5396, 5313, 5595, 5260, 5407, 5499, 5663, 5557, 5384, 5608, 5494, 5565, 5473, 5387, 5309, 5635, 5520, 5359, 5649, 5426, 5640, 5529, 5365, 5518, 5318, 5650, 5336, 5430, 5535, 5531, 5624, 5637, 5587, 5422, 5370, 5488, 5292, 5715, 5476, 5256, 5455, 5632, 5554, 5705, 5481, 5511, 5402, 5546, 5478, 5691, 5294, 5512, 5323, 5693, 5695, 5574, 5446, 5676, 5582, 5381, 5261, 5677, 5329, 5563, 5601, 5278, 5468, 5588, 5364, 5461, 5303, 5507, 5470, 5720, 5487, 5265, 5341, 5353, 5419, 5619, 5343, 5366, 5459, 5549, 5250, 5486, 5274, 5678, 5267, 5482 (8 hits) (06/30/2011 04:35:14 PM)

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
15	9	1.0	333.0	Yes	5544.0MHz, -63.0dBm	Hop sequence: 5464, 5573, 5439, 5589, 5501, 5281, 5279, 5466, 5301, 5682, 5250, 5369, 5265, 5354, 5399, 5562, 5604, 5323, 5252, 5285, 5344, 5272, 5582, 5418, 5386, 5476, 5421, 5559, 5383, 5312, 5678, 5712, 5402, 5498, 5574, 5703, 5389, 5705, 5299, 5544, 5426, 5603, 5594, 5578, 5308, 5600, 5669, 5510, 5338, 5414, 5447, 5548, 5282, 5528, 5486, 5645, 5444, 5613, 5499, 5664, 5453, 5446, 5457, 5275, 5293, 5497, 5324, 5565, 5325, 5481, 5706, 5313, 5334, 5686, 5531, 5348, 5585, 5306, 5634, 5625, 5287, 5257, 5385, 5725, 5535, 5583, 5489, 5716, 5609, 5352, 5346, 5656, 5517, 5262, 5648, 5685, 5413, 5394, 5468, 5355 (6 hits) (06/30/2011 04:35:21 PM)
16	9	1.0	333.0	Yes	5545.0MHz, -63.0dBm	Hop sequence: 5317, 5362, 5658, 5323, 5695, 5633, 5496, 5610, 5497, 5660, 5680, 5428, 5384, 5282, 5296, 5567, 5301, 5292, 5486, 5390, 5653, 5568, 5445, 5276, 5646, 5616, 5527, 5676, 5666, 5388, 5479, 5401, 5533, 5364, 5385, 5373, 5612, 5466, 5443, 5285, 5627, 5611, 5309, 5552, 5302, 5706, 5603, 5694, 5708, 5427, 5258, 5452, 5591, 5512, 5719, 5555, 5709, 5318, 5298, 5473, 5265, 5314, 5515, 5418, 5632, 5584, 5322, 5526, 5685, 5723, 5424, 5421, 5252, 5380, 5601, 5272, 5606, 5602, 5670, 5488, 5286, 5625, 5461, 5264, 5626, 5337, 5595, 5260, 5398, 5403, 5325, 5607, 5263, 5586, 5516, 5588, 5580, 5397, 5594, 5257 (5 hits) (06/30/2011 04:35:27 PM)
17	9	1.0	333.0	Yes	5546.0MHz, -63.0dBm	Hop sequence: 5633, 5601, 5623, 5454, 5638, 5579, 5560, 5720, 5504, 5516, 5341, 5701, 5655, 5706, 5657, 5338, 5542, 5379, 5664, 5345, 5370, 5256, 5346, 5361, 5307, 5627, 5381, 5310, 5461, 5403, 5653, 5541, 5458, 5389, 5277, 5606, 5356, 5429, 5335, 5659, 5312, 5385, 5725, 5349, 5328, 5565, 5332, 5726, 5273, 5628, 5596, 5677, 5439,

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
						5293, 5672, 5571, 5443, 5605, 5715, 5534, 5336, 5526, 5693, 5531, 5292, 5278, 5612, 5576, 5563, 5598, 5354, 5342, 5589, 5624, 5462, 5421, 5690, 5688, 5626, 5405, 5496, 5390, 5321, 5590, 5350, 5304, 5272, 5635, 5253, 5717, 5585, 5452, 5641, 5582, 5326, 5608, 5460, 5509, 5675, 5373 (6 hits) (06/30/2011 04:35:35 PM)
18	9	1.0	333.0	Yes	5547.0MHz, -63.0dBm	Hop sequence: 5451, 5584, 5512, 5503, 5271, 5448, 5480, 5705, 5332, 5585, 5474, 5533, 5255, 5496, 5550, 5253, 5497, 5684, 5659, 5357, 5304, 5682, 5628, 5603, 5261, 5315, 5418, 5439, 5390, 5323, 5624, 5681, 5285, 5528, 5642, 5328, 5635, 5481, 5437, 5713, 5397, 5420, 5505, 5270, 5482, 5286, 5291, 5347, 5652, 5560, 5318, 5633, 5296, 5549, 5662, 5685, 5641, 5379, 5466, 5300, 5582, 5421, 5336, 5674, 5547, 5393, 5611, 5306, 5320, 5649, 5717, 5276, 5414, 5349, 5455, 5363, 5725, 5484, 5583, 5297, 5287, 5460, 5254, 5521, 5661, 5626, 5302, 5597, 5486, 5504, 5361, 5605, 5660, 5322, 5273, 5708, 5554, 5447, 5370, 5358 (6 hits) (06/30/2011 04:35:41 PM)
19	9	1.0	333.0	Yes	5548.0MHz, -63.0dBm	Hop sequence: 5719, 5263, 5713, 5348, 5549, 5611, 5683, 5459, 5376, 5559, 5289, 5404, 5347, 5455, 5302, 5704, 5543, 5485, 5443, 5310, 5473, 5469, 5466, 5624, 5603, 5529, 5493, 5408, 5314, 5516, 5726, 5513, 5668, 5565, 5363, 5577, 5649, 5596, 5706, 5479, 5326, 5357, 5384, 5711, 5305, 5636, 5383, 5300, 5645, 5378, 5465, 5429, 5458, 5685, 5349, 5327, 5449, 5435, 5432, 5446, 5370, 5594, 5462, 5325, 5464, 5442, 5631, 5413, 5252, 5285, 5681, 5663, 5497, 5320, 5641, 5316, 5481, 5715, 5533, 5616, 5632, 5555, 5718, 5537, 5592, 5717, 5542, 5335, 5573, 5353, 5319, 5339, 5426, 5380, 5712, 5686, 5341, 5666, 5251, 5313 (8 hits) (06/30/2011 04:35:48 PM)

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
20	9	1.0	333.0	Yes	5549.0MHz, -63.0dBm	Hop sequence: 5297, 5649, 5556, 5569, 5304, 5333, 5310, 5717, 5421, 5507, 5669, 5722, 5627, 5504, 5412, 5318, 5373, 5414, 5281, 5469, 5564, 5512, 5347, 5525, 5603, 5710, 5437, 5667, 5581, 5463, 5605, 5296, 5611, 5681, 5388, 5708, 5509, 5701, 5300, 5399, 5314, 5538, 5542, 5523, 5291, 5713, 5612, 5323, 5322, 5602, 5340, 5662, 5511, 5483, 5552, 5703, 5540, 5664, 5697, 5328, 5651, 5461, 5592, 5535, 5694, 5636, 5457, 5494, 5439, 5678, 5486, 5381, 5718, 5638, 5619, 5294, 5714, 5354, 5284, 5644, 5271, 5632, 5496, 5253, 5311, 5428, 5406, 5528, 5548, 5547, 5367, 5559, 5434, 5344, 5520, 5655, 5442, 5279, 5393, 5500 (10 hits) (06/30/2011 04:35:55 PM)
21	9	1.0	333.0	Yes	5550.0MHz, -63.0dBm	Hop sequence: 5268, 5715, 5516, 5273, 5620, 5600, 5275, 5367, 5498, 5269, 5563, 5650, 5397, 5484, 5672, 5653, 5657, 5439, 5571, 5505, 5583, 5665, 5550, 5348, 5725, 5597, 5326, 5282, 5467, 5677, 5624, 5256, 5293, 5443, 5616, 5468, 5406, 5399, 5356, 5590, 5628, 5569, 5595, 5615, 5711, 5678, 5250, 5671, 5670, 5659, 5528, 5490, 5564, 5461, 5481, 5714, 5315, 5354, 5277, 5288, 5325, 5353, 5613, 5339, 5621, 5412, 5352, 5510, 5433, 5369, 5646, 5703, 5562, 5520, 5296, 5351, 5452, 5692, 5380, 5499, 5304, 5477, 5578, 5404, 5329, 5529, 5252, 5418, 5451, 5387, 5301, 5698, 5572, 5440, 5445, 5303, 5552, 5693, 5645, 5533 (6 hits) (06/30/2011 04:36:01 PM)
22	9	1.0	333.0	Yes	5551.0MHz, -63.0dBm	Hop sequence: 5341, 5470, 5692, 5450, 5503, 5468, 5303, 5504, 5632, 5613, 5609, 5289, 5398, 5347, 5410, 5694, 5588, 5486, 5363, 5292, 5653, 5571, 5492, 5542, 5548, 5397, 5451, 5557, 5704, 5701, 5598, 5540, 5428, 5594, 5686, 5724, 5440, 5501, 5309, 5679, 5379, 5600, 5333, 5675, 5459, 5301, 5612, 5495, 5361, 5396, 5572, 5460, 5270,

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, 5657, 5414, 5456, 5326, 5640, 5268, 5533, 5619, 5690, 5403, 5434, 5466, 5463, 5654, 5423, 5631, 5275, 5555, 5413, 5623, 5474, 5430, 5669, 5250, 5586, 5578, 5449, 5351, 5512, 5668, 5564, 5689, 5497, 5353, 5284, 5698, 5520, 5416, 5714, 5561, 5312, 5621, 5610, 5593, 5452, 5317 (8 hits) (06/30/2011 04:37:05 PM)
23	9	1.0	333.0	Yes	5552.0MHz, -63.0dBm	Hop sequence: 5251, 5596, 5551, 5277, 5267, 5664, 5505, 5674, 5679, 5571, 5661, 5335, 5310, 5525, 5499, 5255, 5376, 5662, 5621, 5667, 5317, 5539, 5637, 5725, 5629, 5625, 5276, 5257, 5564, 5355, 5375, 5557, 5390, 5698, 5584, 5681, 5699, 5707, 5626, 5321, 5590, 5360, 5611, 5517, 5341, 5458, 5724, 5466, 5309, 5264, 5556, 5545, 5427, 5413, 5442, 5336, 5528, 5613, 5415, 5471, 5638, 5597, 5275, 5659, 5268, 5356, 5397, 5677, 5711, 5294, 5295, 5609, 5281, 5723, 5647, 5455, 5531, 5553, 5523, 5560, 5518, 5512, 5697, 5459, 5500, 5654, 5708, 5448, 5278, 5573, 5424, 5327, 5443, 5651, 5635, 5389, 5334, 5628, 5386, 5440 (8 hits) (06/30/2011 04:37:12 PM)
24	9	1.0	333.0	Yes	5553.0MHz, -63.0dBm	Hop sequence: 5549, 5468, 5447, 5330, 5713, 5473, 5284, 5419, 5553, 5669, 5535, 5633, 5674, 5394, 5610, 5542, 5644, 5369, 5390, 5445, 5433, 5666, 5539, 5272, 5411, 5541, 5358, 5441, 5484, 5664, 5432, 5401, 5672, 5700, 5704, 5325, 5458, 5579, 5617, 5351, 5502, 5640, 5424, 5511, 5374, 5611, 5353, 5268, 5629, 5478, 5307, 5409, 5491, 5529, 5537, 5598, 5694, 5581, 5368, 5645, 5298, 5376, 5482, 5488, 5711, 5256, 5377, 5382, 5460, 5503, 5677, 5605, 5497, 5499, 5599, 5313, 5299, 5718, 5435, 5486, 5264, 5616, 5673, 5459, 5521, 5567, 5592, 5638, 5300, 5475, 5389, 5568, 5318, 5639, 5315, 5282, 5323, 5456, 5656, 5398 (9 hits) (06/30/2011 04:37:19 PM)

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
25	9	1.0	333.0	Yes	5554.0MHz, -63.0dBm	Hop sequence: 5603, 5526, 5419, 5275, 5263, 5687, 5273, 5343, 5619, 5500, 5396, 5558, 5538, 5439, 5308, 5434, 5577, 5289, 5660, 5481, 5601, 5437, 5637, 5628, 5459, 5545, 5616, 5554, 5505, 5624, 5324, 5551, 5563, 5506, 5403, 5420, 5483, 5589, 5664, 5536, 5384, 5448, 5408, 5344, 5684, 5306, 5670, 5340, 5466, 5355, 5559, 5304, 5271, 5599, 5462, 5491, 5700, 5610, 5561, 5621, 5461, 5719, 5686, 5585, 5295, 5633, 5269, 5328, 5515, 5409, 5617, 5713, 5710, 5573, 5356, 5314, 5676, 5410, 5259, 5527, 5465, 5364, 5576, 5337, 5674, 5350, 5631, 5366, 5386, 5321, 5522, 5329, 5470, 5452, 5639, 5270, 5716, 5567, 5671, 5454 (10 hits) (06/30/2011 04:37:25 PM)
26	9	1.0	333.0	Yes	5555.0MHz, -63.0dBm	Hop sequence: 5403, 5568, 5371, 5437, 5322, 5452, 5569, 5629, 5678, 5516, 5342, 5412, 5486, 5290, 5462, 5594, 5520, 5394, 5359, 5680, 5352, 5378, 5567, 5615, 5395, 5698, 5500, 5725, 5397, 5589, 5606, 5535, 5607, 5458, 5355, 5566, 5552, 5683, 5401, 5449, 5617, 5646, 5495, 5518, 5390, 5434, 5484, 5704, 5310, 5420, 5299, 5600, 5687, 5480, 5469, 5271, 5649, 5536, 5711, 5407, 5389, 5367, 5464, 5602, 5626, 5305, 5459, 5538, 5612, 5262, 5667, 5719, 5650, 5696, 5691, 5496, 5313, 5585, 5321, 5614, 5666, 5418, 5555, 5410, 5661, 5293, 5652, 5283, 5307, 5722, 5444, 5590, 5624, 5335, 5414, 5563, 5260, 5603, 5491, 5642 (9 hits) (06/30/2011 04:37:32 PM)
27	9	1.0	333.0	Yes	5556.0MHz, -63.0dBm	Hop sequence: 5554, 5618, 5681, 5489, 5551, 5321, 5636, 5412, 5295, 5676, 5273, 5568, 5589, 5637, 5302, 5507, 5271, 5725, 5382, 5525, 5617, 5405, 5306, 5429, 5544, 5377, 5502, 5638, 5375, 5526, 5579, 5528, 5564, 5479, 5672, 5253, 5623, 5480, 5641, 5393, 5279, 5553, 5719, 5574, 5267, 5353, 5334, 5700, 5583, 5284, 5461, 5509, 5355,

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
						5585, 5292, 5351, 5431, 5263, 5626, 5658, 5556, 5695, 5380, 5679, 5406, 5343, 5707, 5594, 5471, 5286, 5482, 5497, 5370, 5689, 5514, 5593, 5651, 5697, 5522, 5346, 5515, 5434, 5426, 5437, 5494, 5694, 5311, 5278, 5262, 5711, 5629, 5297, 5684, 5539, 5595, 5436, 5640, 5500, 5552, 5443 (9 hits) (06/30/2011 04:37:38 PM)
28	9	1.0	333.0	Yes	5557.0MHz, -63.0dBm	Hop sequence: 5271, 5276, 5297, 5475, 5560, 5713, 5716, 5328, 5439, 5497, 5291, 5546, 5334, 5568, 5324, 5309, 5656, 5535, 5338, 5451, 5612, 5646, 5378, 5345, 5555, 5471, 5352, 5623, 5641, 5688, 5322, 5493, 5479, 5677, 5711, 5478, 5388, 5607, 5372, 5343, 5470, 5277, 5468, 5423, 5331, 5447, 5467, 5523, 5318, 5302, 5605, 5542, 5652, 5450, 5503, 5587, 5403, 5584, 5431, 5285, 5591, 5340, 5589, 5452, 5602, 5362, 5553, 5565, 5566, 5586, 5264, 5358, 5251, 5435, 5511, 5281, 5569, 5632, 5299, 5698, 5501, 5712, 5502, 5626, 5426, 5495, 5387, 5303, 5608, 5298, 5346, 5253, 5628, 5539, 5376, 5651, 5619, 5402, 5557, 5659 (11 hits) (06/30/2011 04:37:45 PM)
29	9	1.0	333.0	Yes	5558.0MHz, -63.0dBm	Hop sequence: 5700, 5535, 5565, 5708, 5400, 5671, 5268, 5464, 5568, 5651, 5382, 5555, 5506, 5260, 5438, 5598, 5348, 5612, 5554, 5320, 5597, 5291, 5489, 5386, 5394, 5422, 5297, 5298, 5621, 5427, 5322, 5572, 5440, 5423, 5721, 5585, 5657, 5305, 5299, 5329, 5495, 5431, 5705, 5507, 5712, 5388, 5717, 5413, 5674, 5491, 5314, 5449, 5514, 5403, 5401, 5265, 5461, 5623, 5613, 5381, 5432, 5404, 5289, 5656, 5292, 5476, 5696, 5254, 5266, 5512, 5444, 5251, 5469, 5256, 5611, 5561, 5527, 5262, 5317, 5467, 5576, 5694, 5676, 5293, 5639, 5540, 5315, 5524, 5567, 5629, 5547, 5539, 5675, 5602, 5458, 5326, 5627, 5508, 5295, 5252 (10 hits) (06/30/2011 04:37:52 PM)

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
30	9	1.0	333.0	Yes	5559.0MHz, -63.0dBm	Hop sequence: 5424, 5554, 5626, 5415, 5339, 5410, 5260, 5490, 5460, 5349, 5616, 5687, 5439, 5442, 5394, 5579, 5552, 5272, 5606, 5547, 5650, 5533, 5631, 5427, 5291, 5565, 5344, 5560, 5725, 5646, 5419, 5689, 5515, 5491, 5500, 5499, 5393, 5700, 5648, 5358, 5558, 5618, 5589, 5469, 5681, 5686, 5348, 5514, 5724, 5453, 5671, 5505, 5355, 5470, 5584, 5679, 5709, 5375, 5408, 5587, 5678, 5601, 5513, 5302, 5619, 5405, 5509, 5644, 5396, 5456, 5680, 5254, 5283, 5463, 5282, 5445, 5273, 5510, 5664, 5444, 5337, 5690, 5265, 5308, 5378, 5553, 5303, 5691, 5484, 5432, 5468, 5364, 5346, 5440, 5367, 5614, 5522, 5388, 5647, 5636 (8 hits) (06/30/2011 04:37:58 PM)
31	9	1.0	333.0	Yes	5560.0MHz, -63.0dBm	Hop sequence: 5295, 5315, 5504, 5670, 5288, 5323, 5644, 5308, 5602, 5636, 5725, 5494, 5686, 5557, 5533, 5272, 5530, 5661, 5440, 5286, 5620, 5531, 5590, 5257, 5599, 5267, 5416, 5340, 5386, 5564, 5520, 5523, 5303, 5529, 5600, 5550, 5294, 5448, 5500, 5578, 5279, 5536, 5604, 5511, 5313, 5262, 5495, 5383, 5667, 5259, 5366, 5687, 5499, 5583, 5629, 5521, 5579, 5269, 5512, 5310, 5649, 5355, 5614, 5464, 5720, 5547, 5400, 5575, 5540, 5584, 5277, 5559, 5641, 5693, 5419, 5434, 5481, 5436, 5321, 5639, 5447, 5317, 5422, 5679, 5560, 5669, 5337, 5708, 5460, 5542, 5251, 5553, 5396, 5484, 5593, 5596, 5298, 5345, 5690, 5418 (11 hits) (06/30/2011 04:38:05 PM)
32	9	1.0	333.0	No	5561.0MHz, -63.0dBm	Hop sequence: 5601, 5446, 5691, 5384, 5363, 5541, 5658, 5682, 5416, 5549, 5399, 5655, 5670, 5395, 5590, 5672, 5325, 5388, 5491, 5673, 5282, 5717, 5509, 5584, 5455, 5284, 5337, 5368, 5719, 5462, 5602, 5552, 5263, 5554, 5427, 5481, 5665, 5515, 5256, 5573, 5623, 5688, 5725, 5332, 5521, 5342, 5506, 5664, 5534, 5523, 5351, 5559, 5312,

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
						5675, 5397, 5537, 5458, 5701, 5628, 5464, 5538, 5486, 5440, 5480, 5301, 5431, 5258, 5267, 5305, 5469, 5522, 5503, 5575, 5453, 5403, 5308, 5677, 5421, 5370, 5501, 5640, 5508, 5265, 5329, 5334, 5318, 5678, 5532, 5599, 5496, 5492, 5663, 5564, 5520, 5295, 5468, 5726, 5527, 5526, 5348 (10 hits) (06/30/2011 04:38:12 PM)
33	9	1.0	333.0	Yes	5562.0MHz, -63.0dBm	Hop sequence: 5470, 5452, 5514, 5308, 5439, 5678, 5711, 5410, 5306, 5301, 5608, 5341, 5420, 5394, 5651, 5666, 5667, 5408, 5505, 5307, 5597, 5325, 5466, 5457, 5596, 5256, 5703, 5458, 5628, 5725, 5543, 5615, 5539, 5406, 5687, 5578, 5498, 5532, 5480, 5459, 5336, 5674, 5433, 5676, 5522, 5432, 5645, 5609, 5311, 5548, 5323, 5431, 5723, 5655, 5376, 5259, 5671, 5469, 5551, 5635, 5652, 5263, 5333, 5255, 5464, 5685, 5659, 5617, 5567, 5633, 5383, 5644, 5343, 5361, 5698, 5430, 5490, 5391, 5354, 5638, 5413, 5486, 5602, 5412, 5701, 5710, 5484, 5579, 5418, 5438, 5319, 5334, 5568, 5583, 5302, 5571, 5460, 5416, 5637, 5304 (7 hits) (06/30/2011 04:38:19 PM)
34	9	1.0	333.0	Yes	5563.0MHz, -63.0dBm	Hop sequence: 5645, 5374, 5698, 5471, 5598, 5285, 5580, 5538, 5326, 5379, 5523, 5639, 5449, 5544, 5272, 5479, 5266, 5320, 5502, 5429, 5310, 5309, 5470, 5687, 5446, 5372, 5570, 5451, 5714, 5548, 5303, 5485, 5516, 5306, 5441, 5651, 5547, 5443, 5498, 5371, 5644, 5416, 5264, 5527, 5650, 5718, 5716, 5480, 5674, 5315, 5465, 5643, 5584, 5575, 5474, 5305, 5561, 5637, 5430, 5656, 5359, 5693, 5444, 5634, 5373, 5705, 5641, 5592, 5447, 5670, 5368, 5464, 5413, 5307, 5607, 5351, 5541, 5410, 5652, 5348, 5602, 5260, 5673, 5666, 5406, 5250, 5721, 5506, 5669, 5287, 5412, 5661, 5667, 5455, 5629, 5486, 5316, 5356, 5293, 5566 (7 hits) (06/30/2011 04:38:26 PM)

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
35	9	1.0	333.0	Yes	5564.0MHz, -63.0dBm	Hop sequence: 5650, 5267, 5313, 5677, 5361, 5538, 5699, 5644, 5366, 5624, 5577, 5356, 5586, 5528, 5297, 5354, 5316, 5525, 5671, 5626, 5310, 5292, 5508, 5672, 5317, 5406, 5629, 5421, 5568, 5269, 5513, 5579, 5338, 5657, 5486, 5676, 5560, 5256, 5403, 5610, 5336, 5377, 5547, 5647, 5284, 5530, 5683, 5443, 5307, 5483, 5318, 5646, 5264, 5343, 5510, 5674, 5500, 5298, 5503, 5666, 5376, 5467, 5490, 5492, 5370, 5402, 5661, 5497, 5693, 5427, 5352, 5688, 5329, 5724, 5331, 5459, 5286, 5464, 5549, 5709, 5371, 5684, 5479, 5608, 5705, 5591, 5648, 5723, 5704, 5254, 5481, 5417, 5539, 5469, 5628, 5590, 5446, 5556, 5350, 5288 (7 hits) (06/30/2011 04:38:34 PM)
36	9	1.0	333.0	Yes	5565.0MHz, -63.0dBm	Hop sequence: 5475, 5574, 5395, 5263, 5545, 5369, 5393, 5414, 5473, 5562, 5661, 5371, 5640, 5539, 5540, 5372, 5485, 5312, 5674, 5543, 5313, 5262, 5380, 5492, 5423, 5363, 5479, 5339, 5317, 5685, 5549, 5624, 5538, 5700, 5442, 5597, 5399, 5494, 5522, 5615, 5325, 5663, 5470, 5662, 5524, 5680, 5519, 5596, 5556, 5571, 5688, 5382, 5298, 5465, 5310, 5653, 5346, 5456, 5692, 5506, 5495, 5530, 5300, 5528, 5464, 5283, 5490, 5720, 5503, 5715, 5253, 5724, 5584, 5420, 5306, 5546, 5642, 5321, 5302, 5320, 5314, 5544, 5614, 5433, 5527, 5709, 5418, 5666, 5427, 5568, 5606, 5376, 5400, 5654, 5349, 5335, 5589, 5452, 5412, 5405 (11 hits) (06/30/2011 04:38:42 PM)
37	9	1.0	333.0	Yes	5566.0MHz, -63.0dBm	Hop sequence: 5473, 5566, 5725, 5606, 5267, 5595, 5654, 5524, 5449, 5675, 5479, 5394, 5422, 5554, 5381, 5346, 5694, 5455, 5260, 5701, 5423, 5665, 5601, 5713, 5322, 5464, 5290, 5292, 5376, 5287, 5377, 5442, 5325, 5356, 5433, 5663, 5634, 5487, 5280, 5283, 5345, 5252, 5605, 5421, 5571, 5712, 5347, 5642, 5583, 5384, 5451, 5344, 5531,

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
						5598, 5563, 5609, 5437, 5365, 5514, 5340, 5304, 5651, 5497, 5402, 5336, 5527, 5671, 5687, 5657, 5483, 5476, 5330, 5289, 5461, 5256, 5637, 5261, 5373, 5269, 5319, 5626, 5510, 5456, 5397, 5268, 5426, 5673, 5309, 5635, 5721, 5499, 5668, 5415, 5328, 5414, 5704, 5723, 5529, 5406, 5452 (3 hits) (06/30/2011 04:38:50 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					
Waveform Type	Channel Closing Transmission Time ¹		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1 (20 MHz mode)	19.4 ms	60 ms	3.97 s	10 s	PASS
Radar Type 1 (40 MHz mode)	22.2 ms	60 ms	4.10 s	10 s	PASS
Radar Type 5 (20 MHz mode)	0 ms	60 ms	0 s	10 s	PASS
Radar Type 5 (40 MHz mode)	0 ms	60 ms	0 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.

Elliott Timing Plots - Channel Closing

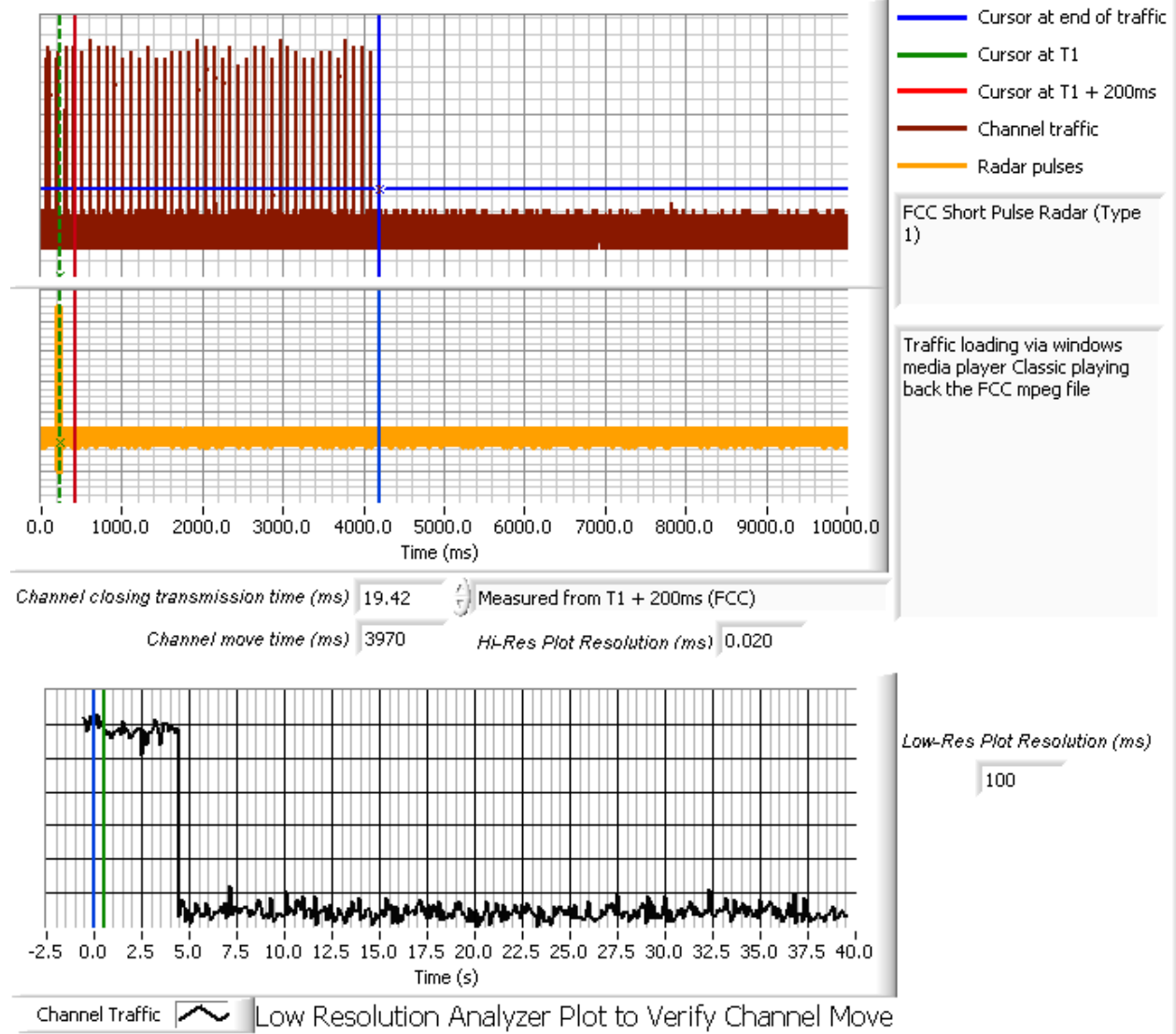


Figure 2 Channel Closing Time and Channel Move Time – 20 MHz mode Type 1

Elliott Timing Plots - Channel Closing

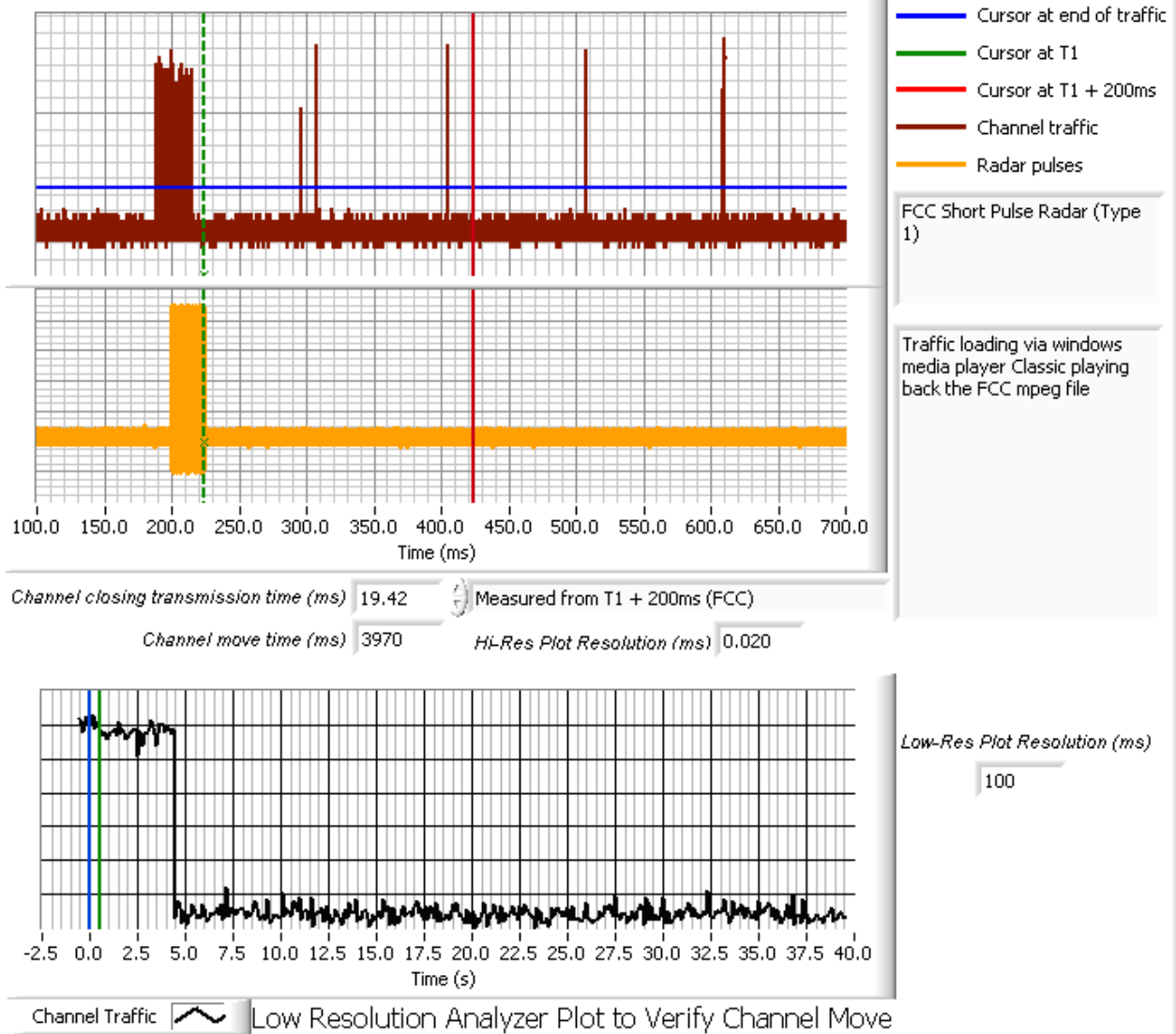


Figure 3 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar

Elliott Timing Plots - Channel Closing

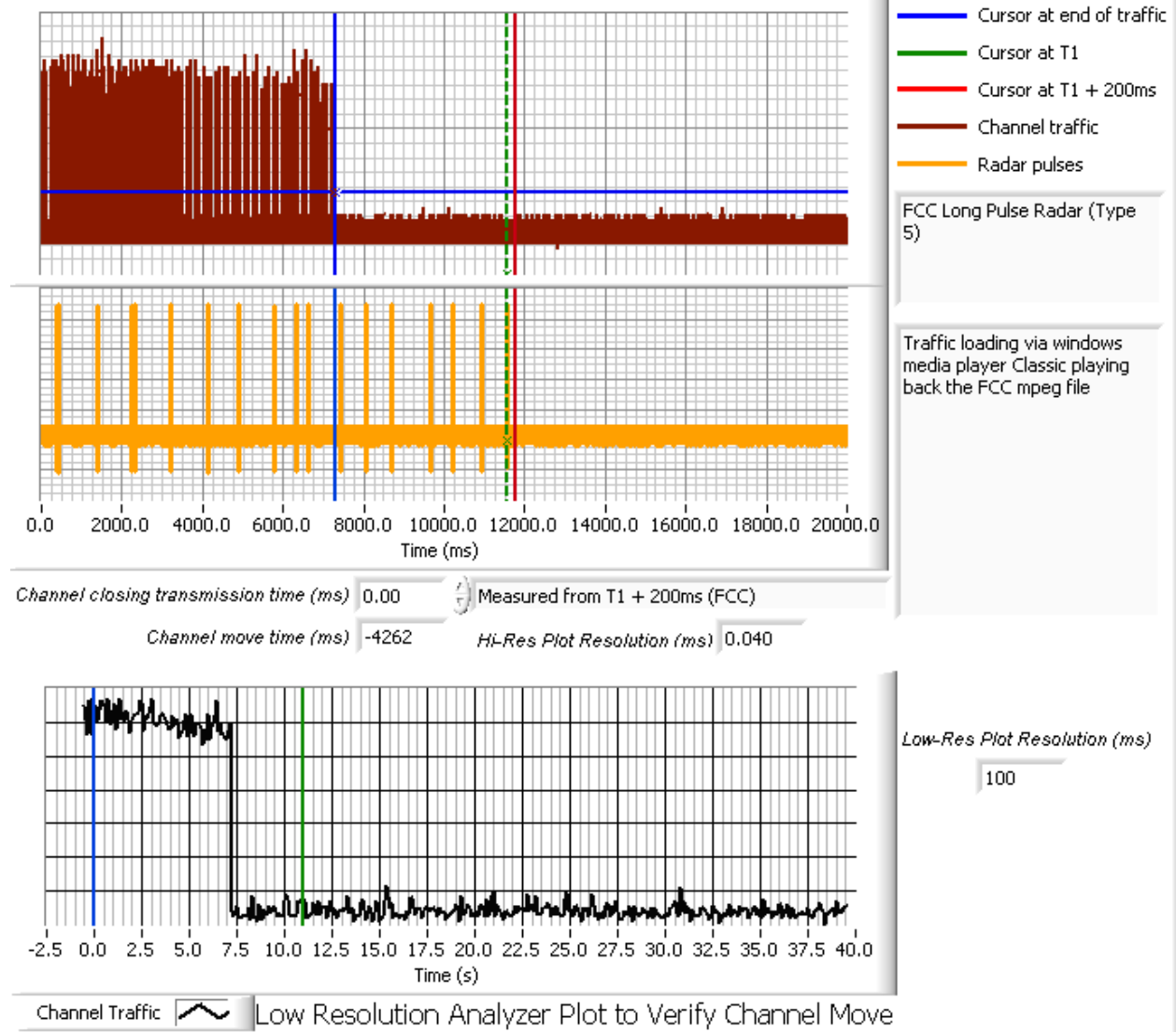


Figure 4 Channel Closing Time and Channel Move Time – 20 MHz mode Type 5

Elliott Timing Plots - Channel Closing

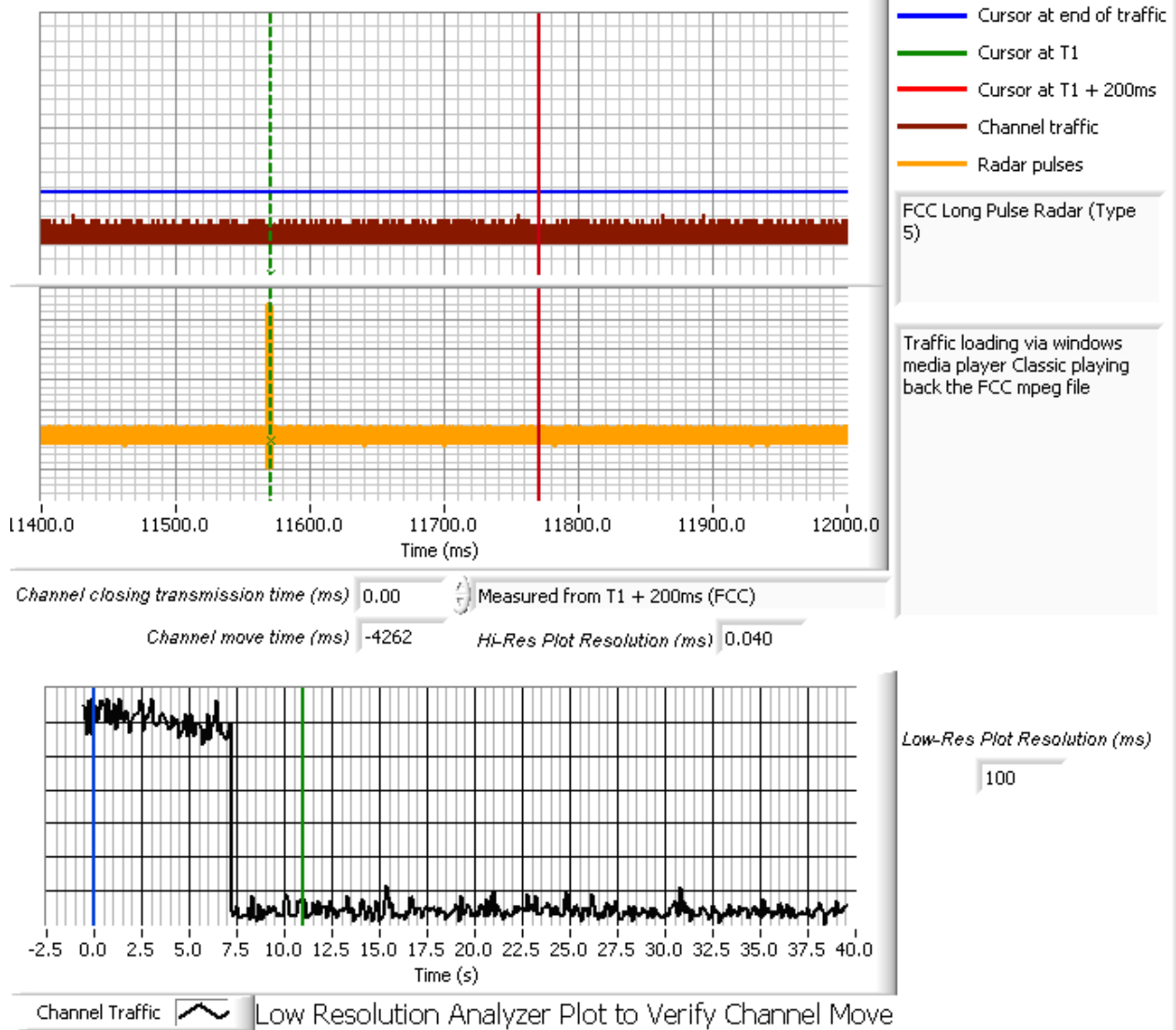
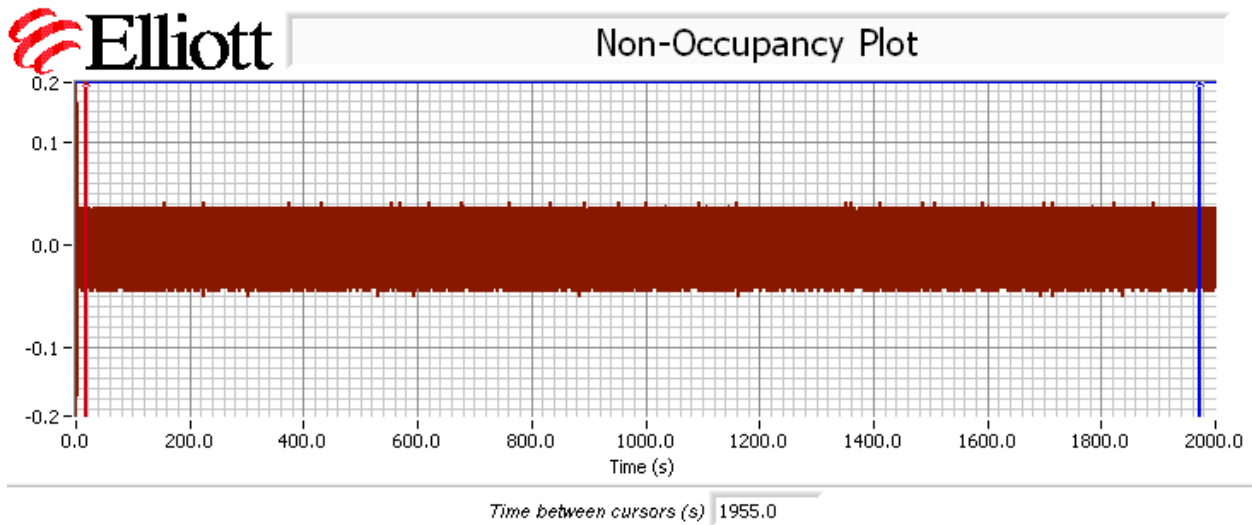


Figure 5 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar



5540 MHz monitored immediately before, during and for a minimum of 30 minutes following the channel move. Plot shows channel traffic prior to channel move and no traffic on the vacated channel after the channel move.

Figure 6 Radar Channel Non-Occupancy Plot 20 MHz mode

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.

Elliott Timing Plots - Channel Closing

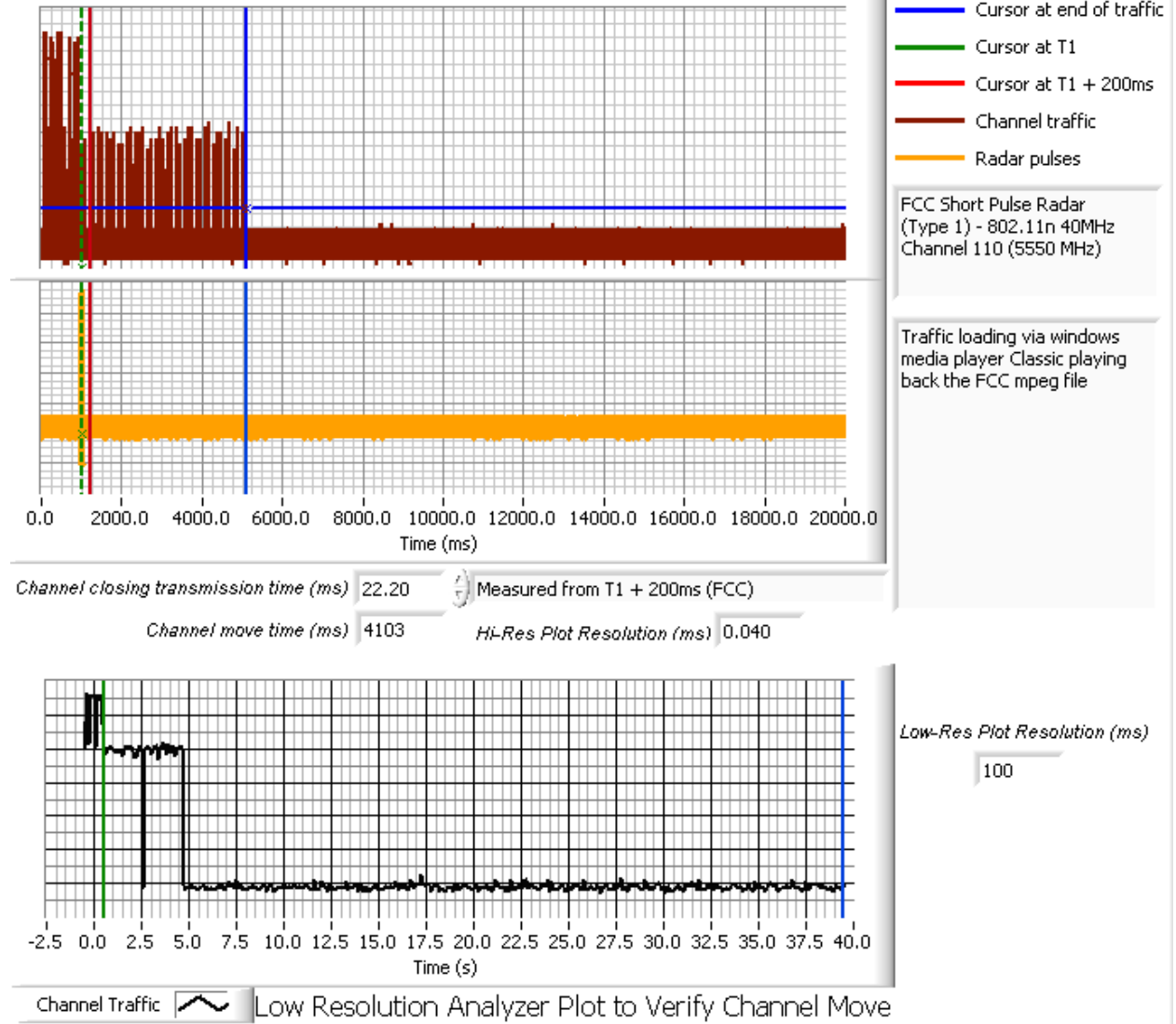


Figure 7 Channel Closing Time and Channel Move Time – 40 MHz mode Type 1

Elliott Timing Plots - Channel Closing

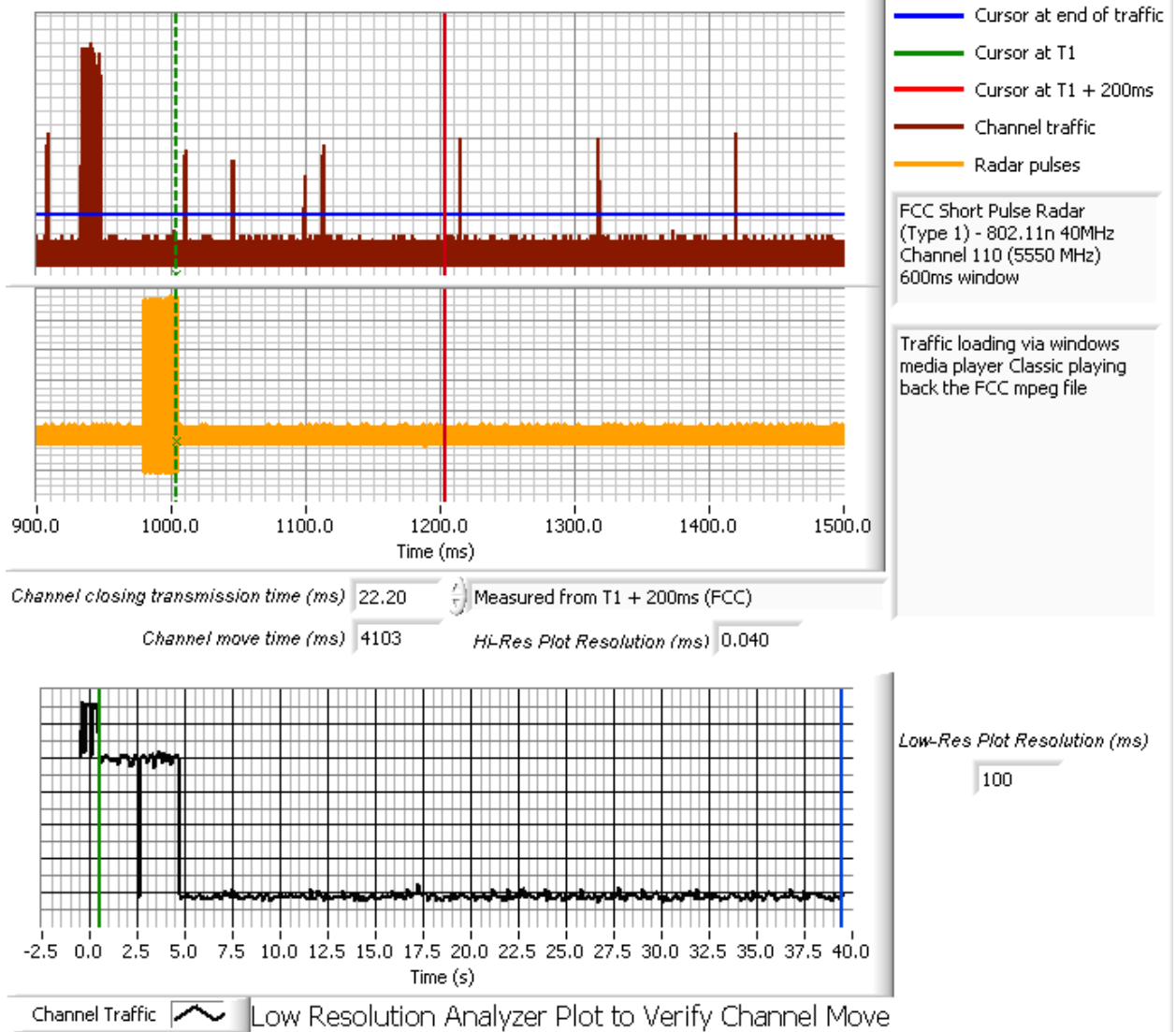


Figure 8 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar

Elliott Timing Plots - Channel Closing

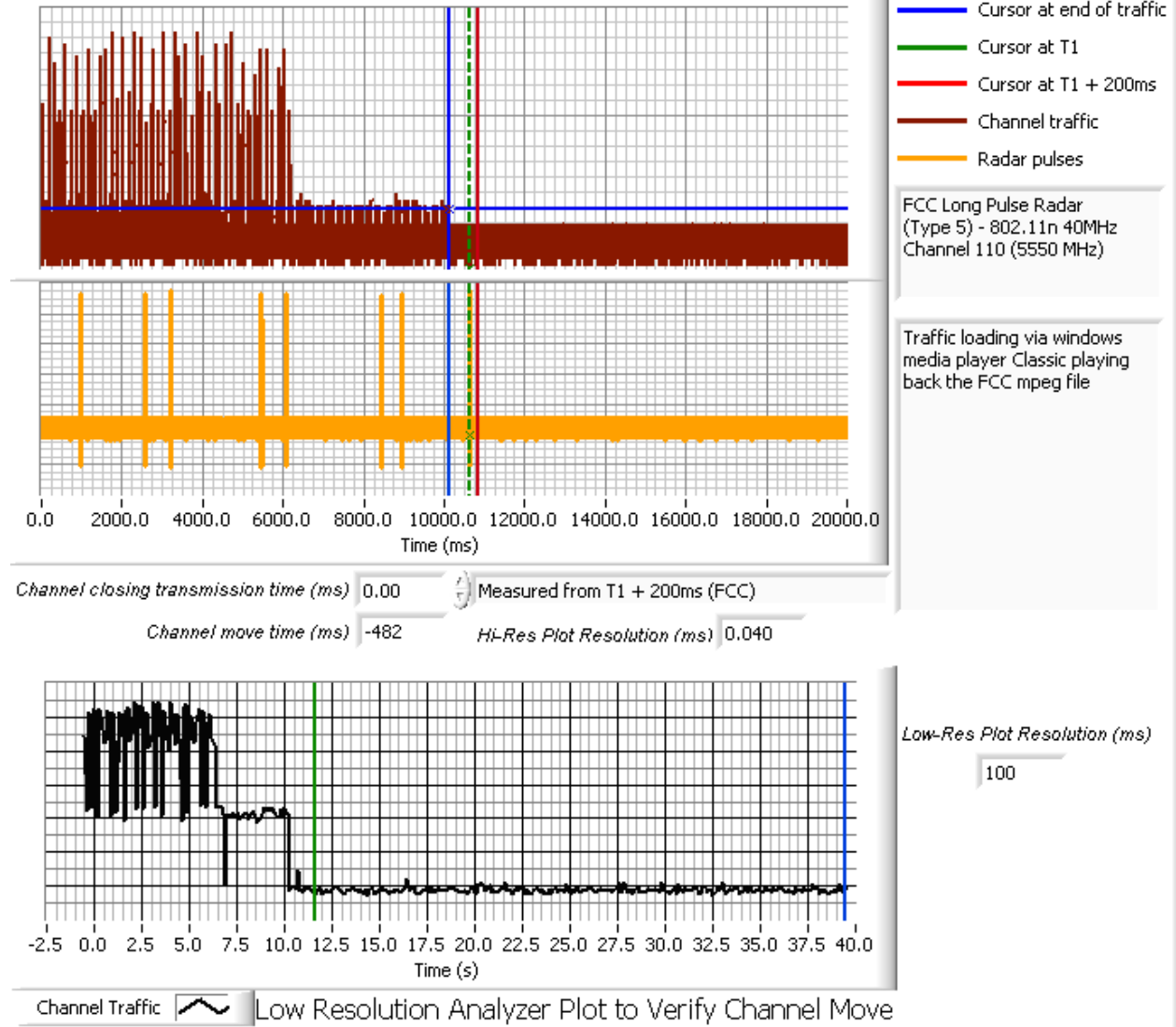


Figure 9 Channel Closing Time and Channel Move Time – 40 MHz mode Type 5

Elliott Timing Plots - Channel Closing

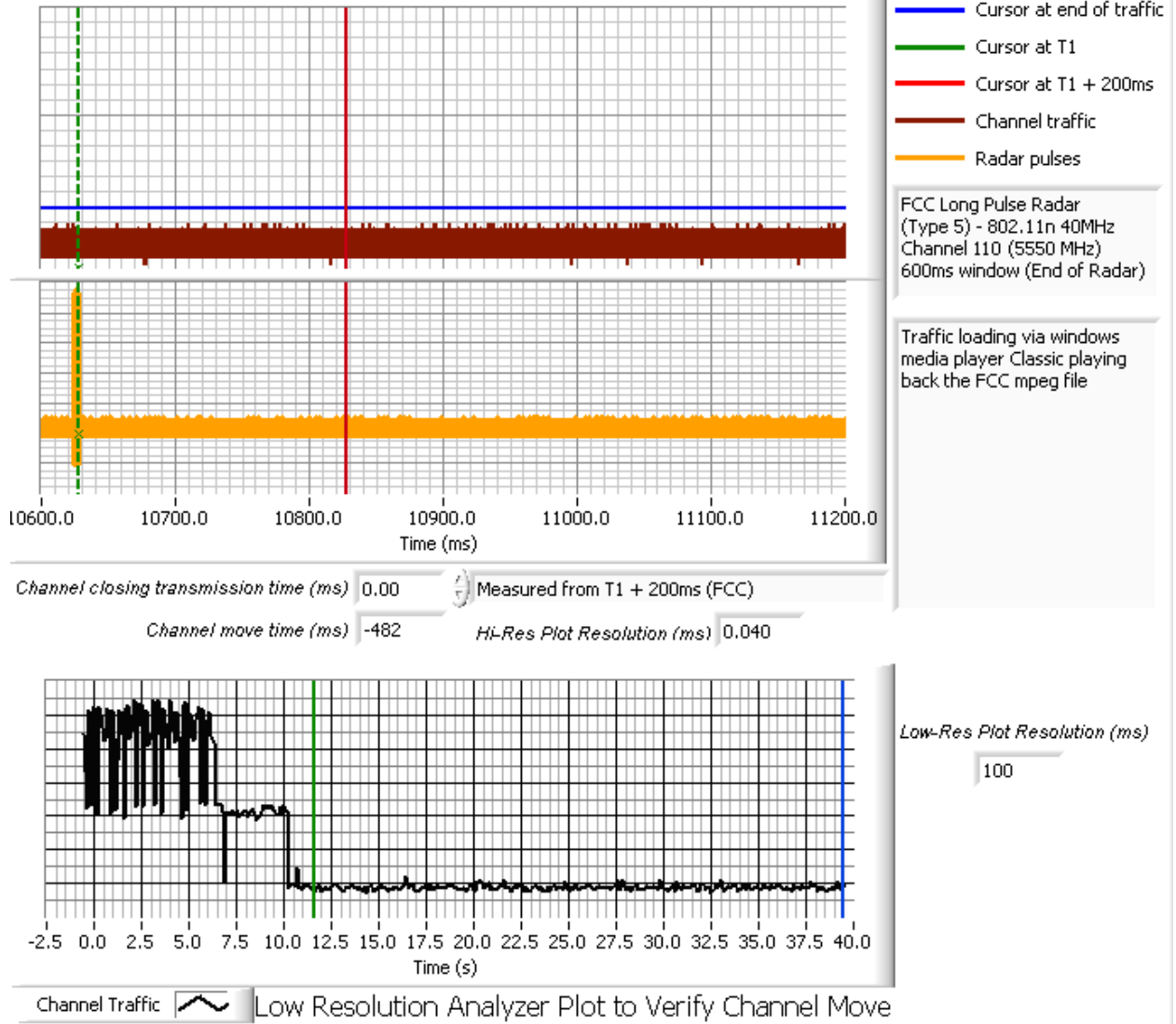
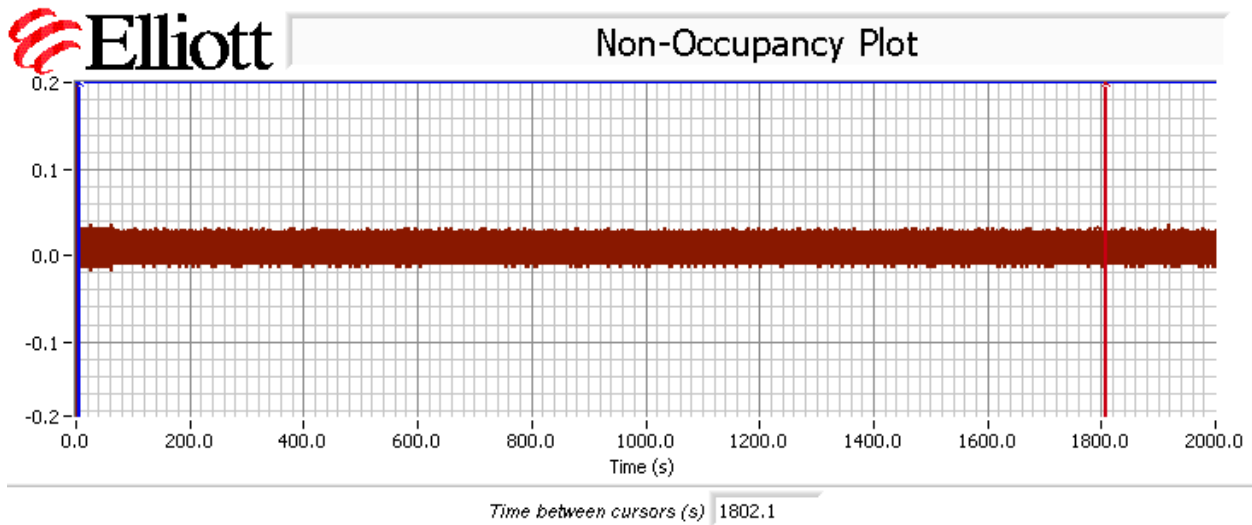


Figure 10 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar



5550 MHz monitored immediately before, during and for a minimum of 30 minutes following the channel move. Plot shows channel traffic prior to channel move and no traffic on the vacated channel after the channel move.

Figure 11 Radar Channel Non-Occupancy Plot – 40 MHz mode

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.

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 60 seconds before the first transmission as indicated by the green cursor line.



Timing Plots - Channel Availability Check

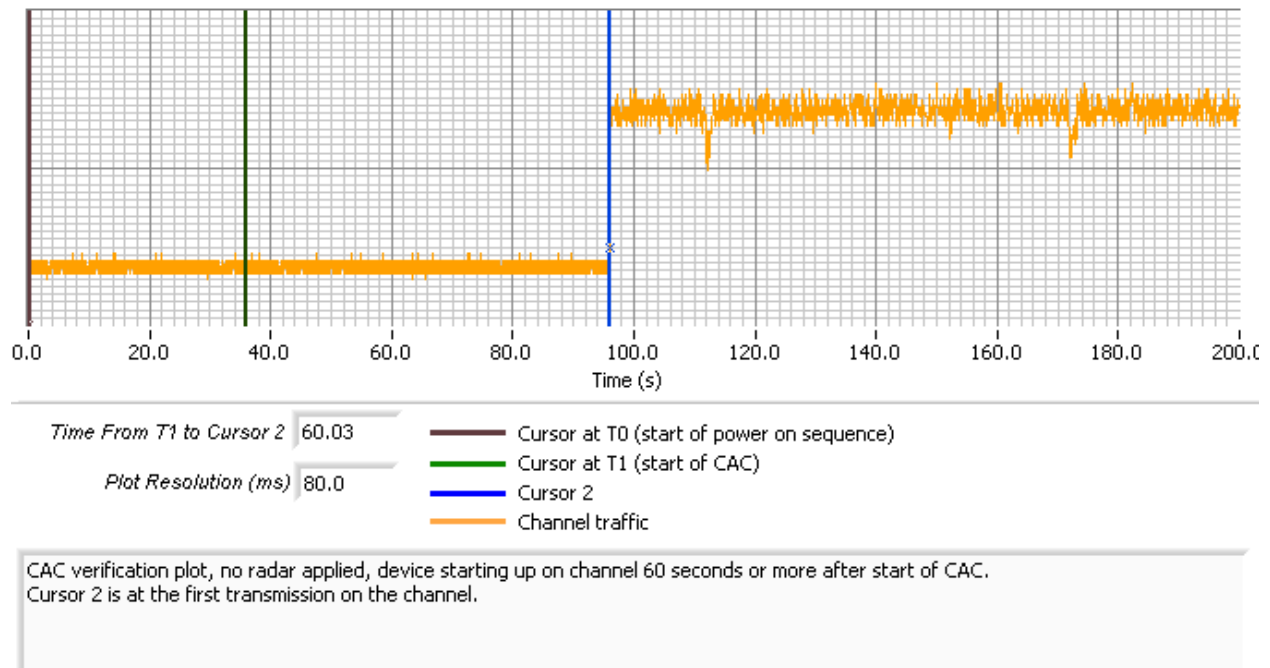


Figure 12 Plot of EUT Start-Up After CAC

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 -63dBm. Measurements were made on channel 108 (5540 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

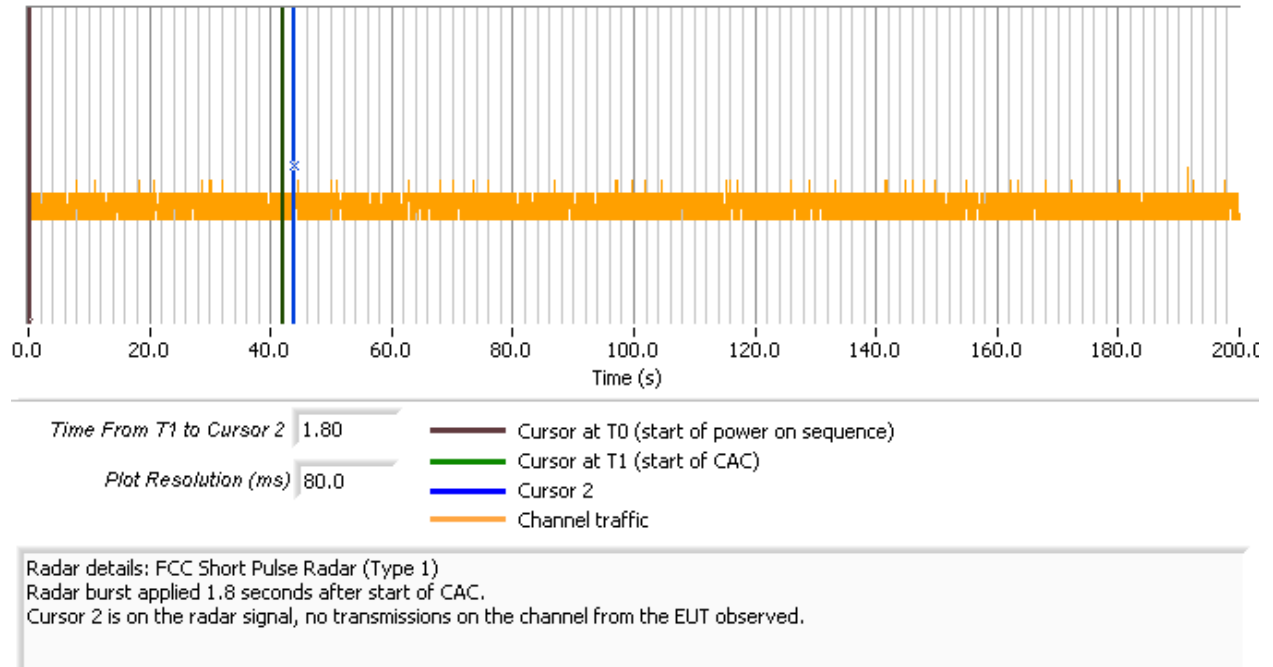


Figure 13 Radar Applied At Start of CAC



Timing Plots - Channel Availability Check

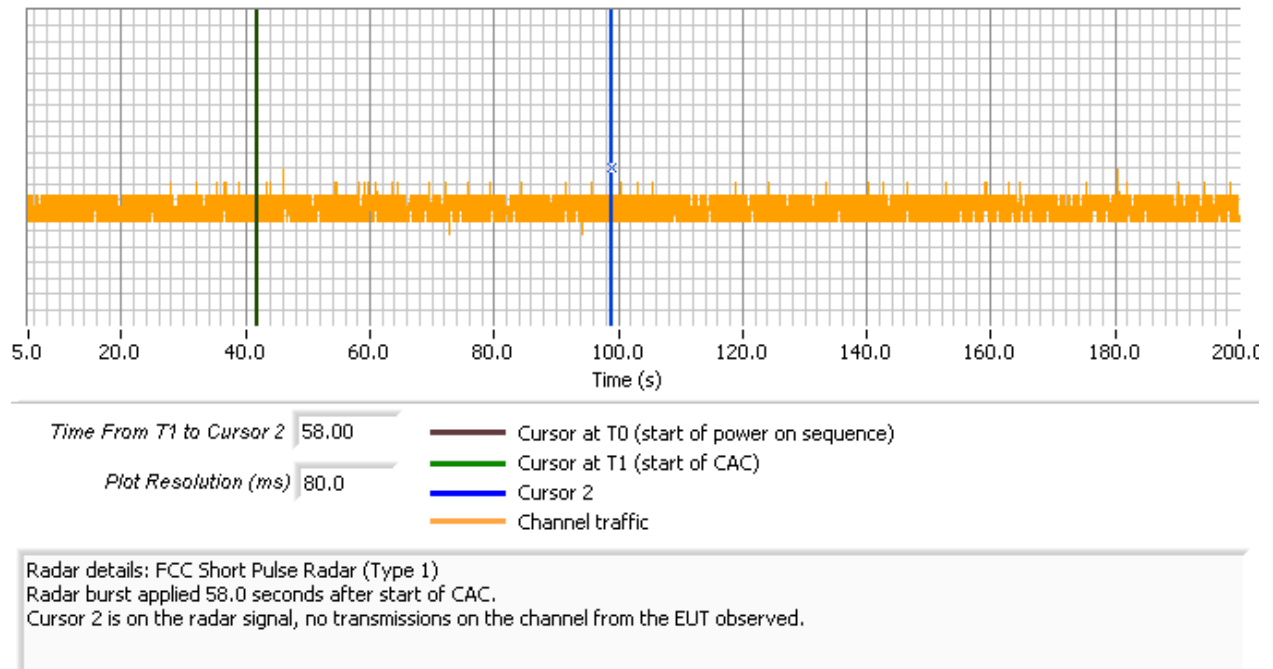


Figure 14 Radar Applied At End of CAC

Appendix E Antenna Specification Sheet

- Frequency: 2.4 – 2.485 and 4.9 – 5.9 GHz.
- Gain: <6 dBi Max
- VSWR: <2.5:1
- Polarization: Linear
- Power: 2 watts Max
- Impedance: 50 ohms (typical)
- Cables: 6X 1.13 diam.
- Connectors: 6X reverse SMA or equivalent
- Temperature: +65°C operating and storage

Overall Peak Gain

Freq MHz	Gain dBi
5850	3.02
5725	2.59
5500	3.05
5350	2.03
5150	3.41
4900	2.05
2483	2.62
2440	2.91
2400	2.87

Appendix F Test Configuration Photographs



