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TEST REPORT

Covering the
DYNAMIC FREQUENCY SELECTION (DFS)
REQUIREMENTS
OF

FCC Part 15 Subpart E (UNII), RSS-210 Annex 9

Cambium Networks
Model(s): C058900P112A (FCC) / C050900P011A (IC)

COMPANY:	Cambium Networks 3800 Golf Road Suite #360 Rolling Meadows, IL, 60008
TEST SITE:	National Technical Systems - Silicon Valley 41039 Boyce Road Fremont, CA 94538
REPORT DATE:	August 20, 2013
FINAL TEST DATE:	July 23, 24, 29, 2013
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ACCREDITED
Testing Cert #0214.26

REVISION HISTORY

Rev #	Date	Comments	Modified By
-	08-20-2013	Initial Release	-

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

SCOPE

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

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

Tests were performed in accordance with these standards together with the current published versions of the basic standards referenced therein including FCC KDB 848637 and the appendix to FCC 06-96 MO&O as outlined in NTS Silicon Valley test procedures. The test results recorded herein are based on a single type test of the Cambium Networks model C058900P112A (FCC) / C050900P011A (IC) and therefore apply only to the tested sample. The sample was selected and prepared by Steve Payne of Cambium Networks.

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 Cambium Networks model C058900P112A (FCC) / C050900P011A (IC) complied with the DFS requirements of FCC Part 15.407(h)(2), RSS-210 Annex 9.3.

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

DEVIATIONS FROM THE STANDARD

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

TEST RESULTS

TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE

Table 1 - FCC Part 15 Subpart E Master Device Test Result Summary

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5550MHz	67s	≥ 60s	Appendix D	Pass
CAC Detection Threshold	Type 1	5550MHz	-64 dBm (note 2)	-64dBm (See note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5550MHz	-64 dBm (note 2)	-64dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Varies	+/-8 MHz	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5550MHz	0ms 0ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5550MHz	8ms 0ms	≤ 10s	Appendix C	Pass
Non-occupancy period	-	5550MHz	1800sec	> 30 minutes	Appendix C	Pass
Uniform Loading		-	-	Uniform Loading	Refer to operational description	N/A

1) Tests were performed using the conducted test method with re-checks of In-Service Monitoring using the radiated test method.
2) The measured detection threshold is based on the master device having an antenna gain of 16 dBi. 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 16 dBi. The limit is based on an eirp of more than 23 dBm.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.

TEST RESULTS SUMMARY – FCC Part 15, CLIENT DEVICE

Table 2 - FCC Part 15 Subpart E Client Device Test Result Summary

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel closing transmission time	Type 1	5550MHz	0 ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1	5550MHz	14ms	≤ 10s	Appendix C	Pass
Non-occupancy period - associated	Type 1	5550MHz	1800sec	> 30 minutes	Appendix C	Pass
Passive Scanning	N/A	N/A	Refer to manufacturer attestation			

1) Tests were performed using the conducted test method.
2) Channel availability check, detection threshold and non-occupancy period are not applicable to client devices.

MEASUREMENT UNCERTAINTIES

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

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

EQUIPMENT UNDER TEST (EUT) DETAILS

GENERAL

The Cambium Networks model C058900P112A (FCC) / C050900P011A (IC) is an enhance Point to Multipoint 802.11 frame based wireless radio.

The sample was received on July 23, 2013 and tested on July 23, 24, 29, 2013. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Mac Address
Cambium Networks	C058900P112A (FCC) / C050900P011A (ROW)	Access Point FCC: Z8H89FT0006 / IC:109W-0006	000456C005EC
Cambium Networks	C058900P112A (FCC) / C050900P011A (ROW)	Slave Radio FCC: Z8H89FT0006 / IC:109W-0006	000456C00726

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

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

☒ Master Device 5250-5350 MHz

☒ Master Device 5470-5725 MHz (excluding 5600-5650 MHz)

☒ Client Device (no In Service Monitoring, no Ad-Hoc mode)

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

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	16	16
Highest Antenna Gain (dBi)	16	16
EIRP Output Power (dBm)	30	30

☒ Power can exceed 200mW eirp

Channel Protocol

☐ IP Based

☒ Frame Based

ENCLOSURE

The EUT enclosure measures approximately 8.5 by 22 by 3.5 centimeters. It is primarily constructed of aluminum and uncoated plastic.

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
Cambrium Networks	*C058900P112A*	*Slave Radio(for conducted mode)*	*000456C00726*	*Z8H89FT0006*
Cambrium Networks	*C058900P032A*	*Slave Radio(for radiated mode)*	*000456C0094A*	*Z8H89FT0005*
Motorola	HK 1322	Laptop computer	3433JC0021	DoC
Dell	PP02X	Laptop computer	42707742661	DoC

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 or Unshielded	Length (m)
Ethernet (EUT)	POE Injector	CAT5	Shielded	10.0
Data Ethernet (POE Injector)	Motorola Laptop	CAT5	Unshielded	1.0
Ethernet (Slave)	POE Injector	CAT5	Unshielded	10.0
Data Ethernet (POE Injector)	Dell Laptop	CAT5	Unshielded	1.0

EUT OPERATION

The EUT was operating with the following software. The software is secured by digital software signature, anti-cloning mechanism and hardware security bits so no software or user can change power, frequency or disable the DFS function.

Master Device: 0.11.10-RC1

Client Device: 0.11.10-RC1

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 38.4 seconds after power on of radio.

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

Data stream is Framebased, and configured with 75/25 downlink/uplink traffic.

RADAR WAVEFORMS

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

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

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

DFS TEST METHODS

RADIATED TEST METHOD

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

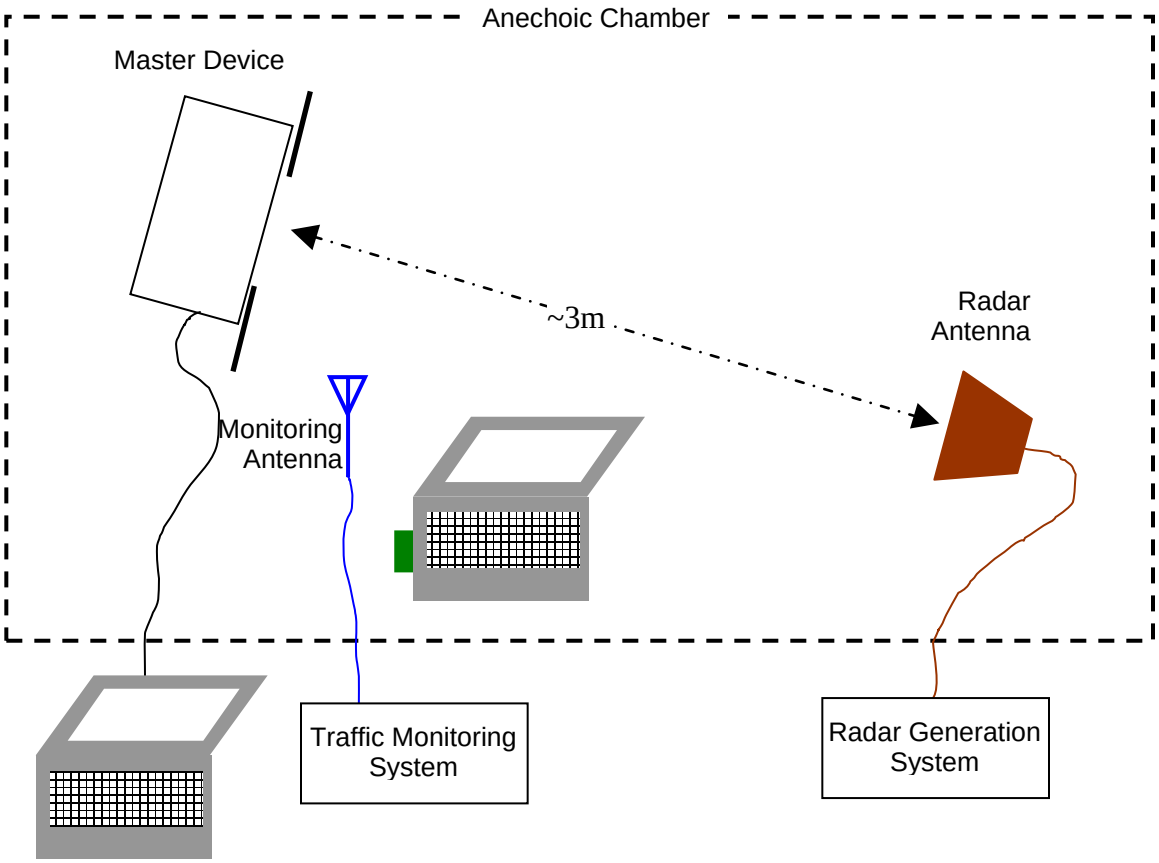


Figure 1 Test Configuration for radiated Measurement Method

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

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

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

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

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

CONDUCTED TEST METHOD

The combination of master and slave devices is located in an anechoic chamber. The simulated radar waveform is coupled into the unit performing the radar detection (radar detection device, RDD) via couplers and attenuators.

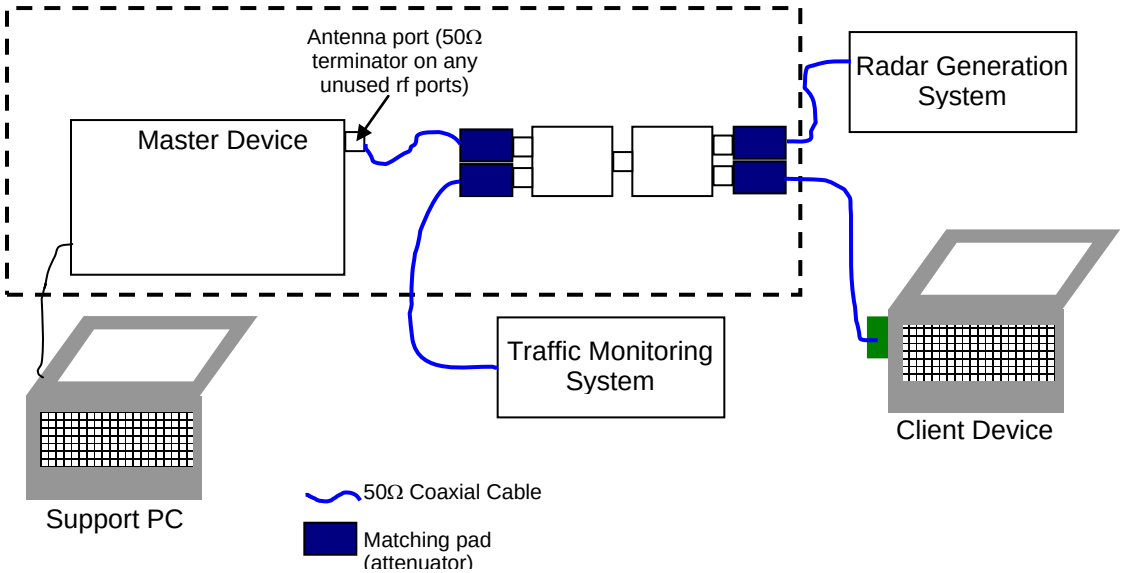


Figure 2 Test Configuration for Conducted Measurement Method

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 signal level is verified by measuring the CW signal level at the coupling point to the RDD antenna port. The radar signal level is calculated from the measured level, R (dBm) and the lowest gain antenna assembly intended for use with the RDD, G_{RDD} (dBi):

Applied level (dBm) = R - G_{RDD}

If both master and client devices have radar detection capability then 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 NTS Silicon Valley custom software to produce the required waveforms, with the capability to produce both un-modulated 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 1000ms.

DFS – CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING

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

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

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 67 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 65 and 67 seconds after the start of CAC when evaluating a 67-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

Manufacturer	Description	Model #	Asset #	Cal Due
Hewlett Packard	EMC Spectrum Analyzer, 9 kHz - 6.5 GHz	8595EM	787	28-Aug-13
Agilent Technologies	PSG Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	05-Jun-14
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052B	2118	22-Oct-13
EMCO	Antenna, Horn, 1-18 GHz (SA40-Purple). Used for Chamber 6	3115	1779	17-Apr-14

Appendix B Test Data Tables for Radar Detection Probability

The plot below shows the channel loading during testing as evaluated over a 1 second period. The traffic was generated by FCC Movie.

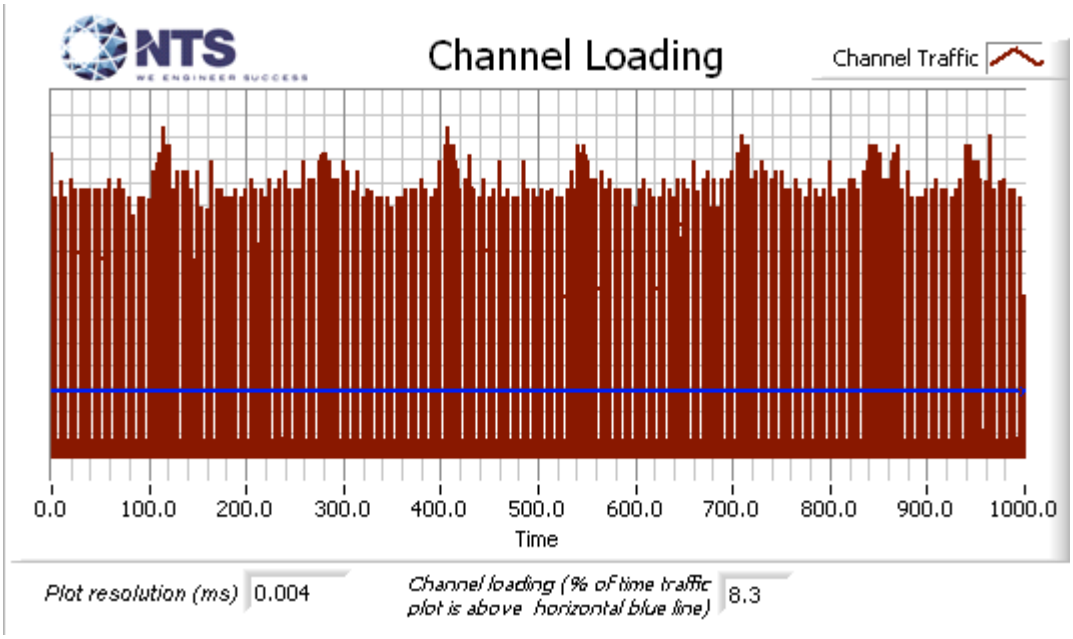


Figure 3 Channel Utilization During In-Service Detection Measurements

Table 6 - Detection Bandwidth Measurements (Bandwidth: +8MHz /-8MHz) 20MHz					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5541.00 MHz	0	3	0
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5542.00 MHz	9	1	90
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5543.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5544.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5545.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5546.00 MHz	9	1	90
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5547.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5548.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5549.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5550.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5551.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5552.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5553.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5554.00 MHz	9	1	90
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5555.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5556.00 MHz	9	1	90
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5557.00 MHz	10	0	100
5550.00 MHz	FCC Short Pulse Radar	5558.00 MHz	10	0	100

Table 6 - Detection Bandwidth Measurements (Bandwidth: +8MHz /-8MHz) 20MHz					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
	(Type 1)				
5550.00 MHz	FCC Short Pulse Radar (Type 1)	5559.00 MHz	4	3	57

20MHz Channel at 5550MHz, Conducted Method

Table 7 - Summary of All Results 20MHz_Conducted				
Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	31	PASSED
FCC Short Pulse Radar (Type 2)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	76.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	80.0 %	60.0 %	30	PASSED
Aggregate of above results	87.5 %	80.0 %	121	PASSED
Long Sequence	100.0 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	34	PASSED

Table 8 - FCC Short Pulse Radar (Type 1) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 12:57:29 PM)
2	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 01:02:57 PM)
3	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 01:05:15 PM)
4	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 01:08:13 PM)
5	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 01:09:30 PM)
6	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 01:10:34 PM)
7	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 01:12:30 PM)
8	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 01:13:54 PM)
9	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 01:15:38 PM)
10	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 01:16:56 PM)
11	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 01:18:11 PM)
12	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 01:20:05 PM)
13	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 01:21:31 PM)
14	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 01:24:40 PM)
15	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 01:26:21 PM)
16	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 01:27:35 PM)
17	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 01:29:00 PM)
18	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 01:30:13 PM)
19	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 01:31:44 PM)

Table 8 - FCC Short Pulse Radar (Type 1) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
20	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 01:33:27 PM)
21	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 01:35:09 PM)
22	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 01:37:48 PM)
23	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 01:39:10 PM)
24	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 01:40:23 PM)
25	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 01:41:30 PM)
26	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 01:44:07 PM)
27	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 01:46:02 PM)
28	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 01:48:13 PM)
29	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 01:50:27 PM)
30	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 01:51:57 PM)
31	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 01:54:05 PM)

Table 9 - FCC Short Pulse Radar (Type 2) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	24	3.6	170.0	No	5550.0MHz, -64.0dBm	Single burst (07/23/2013 02:34:57 PM)
2	23	3.1	180.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 02:36:01 PM)
3	26	3.1	164.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 02:37:06 PM)
4	29	2.3	202.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 02:39:20 PM)
5	25	3.1	178.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 02:40:46 PM)
6	27	2.9	188.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 02:42:07 PM)
7	26	3.7	204.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 02:43:18 PM)
8	29	4.0	222.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 02:44:41 PM)
9	28	1.7	161.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 02:46:13 PM)
10	24	1.8	212.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 02:47:52 PM)
11	27	3.6	190.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 02:49:53 PM)
12	23	4.7	164.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 02:51:10 PM)
13	24	2.9	167.0	Yes	5550.0MHz,	Single burst (07/23/2013 02:52:44

Table 9 - FCC Short Pulse Radar (Type 2) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	PM)
14	26	3.6	190.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 02:54:12 PM)
15	24	2.2	166.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 02:55:26 PM)
16	29	3.8	224.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 02:56:43 PM)
17	26	4.0	181.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 02:57:59 PM)
18	26	3.8	186.0	No	5555.0MHz, -64.0dBm	Single burst (07/23/2013 02:59:05 PM)
19	26	3.4	211.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 02:59:22 PM)
20	27	2.9	216.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:00:36 PM)
21	28	3.5	153.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:01:42 PM)
22	28	4.1	226.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:02:54 PM)
23	27	1.1	213.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:03:51 PM)
24	28	4.6	220.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:05:07 PM)
25	25	4.9	219.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:06:55 PM)
26	25	4.3	198.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:08:03 PM)
27	27	2.9	222.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:09:21 PM)
28	25	1.7	208.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:10:37 PM)
29	28	1.6	214.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:12:00 PM)
30	24	3.3	206.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:13:23 PM)

Table 10 - FCC Short Pulse Radar (Type 3) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	7.1	227.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:15:20 PM)
2	16	8.2	226.0	No	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:24:22 PM)
3	16	9.8	473.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:24:44 PM)
4	18	7.1	458.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:26:25 PM)
5	16	8.3	462.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:27:52 PM)
6	18	8.5	345.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:29:22 PM)
7	16	9.2	430.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:30:42 PM)

Table 10 - FCC Short Pulse Radar (Type 3) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	17	9.4	227.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:32:04 PM)
9	17	6.1	383.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:33:48 PM)
10	18	8.3	371.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:34:49 PM)
11	17	9.4	448.0	No	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:36:05 PM)
12	17	6.1	267.0	No	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:36:20 PM)
13	16	8.8	338.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:36:34 PM)
14	18	7.3	445.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:38:16 PM)
15	18	9.6	241.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:40:26 PM)
16	16	8.9	466.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:42:41 PM)
17	16	8.5	405.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:43:59 PM)
18	17	7.1	497.0	No	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:45:34 PM)
19	18	9.4	429.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:45:59 PM)
20	16	7.8	209.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:53:26 PM)
21	17	7.0	453.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:54:42 PM)
22	18	6.9	262.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:56:03 PM)
23	16	7.7	475.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 03:57:05 PM)
24	17	6.3	336.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 03:58:14 PM)
25	18	7.9	214.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 03:59:39 PM)
26	17	7.6	473.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:00:57 PM)
27	18	6.7	482.0	No	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:04:22 PM)
28	18	9.9	350.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:04:41 PM)
29	16	9.0	434.0	No	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:06:20 PM)
30	16	8.6	244.0	No	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:06:43 PM)

Table 11 - FCC Short Pulse Radar (Type 4) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	14	16.9	334.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:08:19 PM)

Table 11 - FCC Short Pulse Radar (Type 4) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
2	16	18.0	400.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:11:55 PM)
3	16	19.2	416.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:13:25 PM)
4	13	18.6	381.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:14:47 PM)
5	15	12.0	280.0	No	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:16:56 PM)
6	13	17.2	473.0	No	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:17:35 PM)
7	13	16.7	390.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:18:30 PM)
8	12	18.0	324.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:21:36 PM)
9	16	14.0	469.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:23:12 PM)
10	14	16.1	246.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:24:24 PM)
11	16	17.8	403.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:25:40 PM)
12	15	15.5	437.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:26:42 PM)
13	14	11.5	402.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:27:59 PM)
14	13	17.1	399.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:29:45 PM)
15	13	18.8	286.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:31:15 PM)
16	14	12.6	225.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:33:18 PM)
17	12	18.4	409.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:34:28 PM)
18	16	15.4	255.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:35:46 PM)
19	14	11.8	275.0	No	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:37:52 PM)
20	15	11.4	306.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:38:11 PM)
21	14	18.1	251.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:39:30 PM)
22	13	19.4	314.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:40:34 PM)
23	16	18.0	298.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:41:38 PM)
24	13	16.0	401.0	No	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:42:50 PM)
25	14	17.0	290.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:43:05 PM)
26	12	19.9	382.0	No	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:44:49 PM)
27	14	19.8	392.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:45:09 PM)
28	15	13.6	319.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/23/2013 04:46:30 PM)

Table 11 - FCC Short Pulse Radar (Type 4) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
29	12	17.6	487.0	No	5545.0MHz, -64.0dBm	Single burst (07/23/2013 04:48:02 PM)
30	12	18.1	296.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/23/2013 04:48:26 PM)

Table 12 - Long Sequence Waveform Summary 20MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5550.0MHz, -64.0dBm
Trial #2	Detected	5545.0MHz, -64.0dBm
Trial #3	Detected	5555.0MHz, -64.0dBm
Trial #4	Detected	5550.0MHz, -64.0dBm
Trial #5	Detected	5545.0MHz, -64.0dBm
Trial #6	Detected	5555.0MHz, -64.0dBm
Trial #7	Detected	5550.0MHz, -64.0dBm
Trial #8	Detected	5545.0MHz, -64.0dBm
Trial #9	Detected	5555.0MHz, -64.0dBm
Trial #10	Detected	5550.0MHz, -64.0dBm
Trial #11	Detected	5545.0MHz, -64.0dBm
Trial #12	Detected	5555.0MHz, -64.0dBm
Trial #13	Detected	5550.0MHz, -64.0dBm
Trial #14	Detected	5545.0MHz, -64.0dBm
Trial #15	Detected	5555.0MHz, -64.0dBm
Trial #16	Detected	5550.0MHz, -64.0dBm
Trial #17	Detected	5545.0MHz, -64.0dBm
Trial #18	Detected	5555.0MHz, -64.0dBm
Trial #19	Detected	5550.0MHz, -64.0dBm
Trial #20	Detected	5545.0MHz, -64.0dBm
Trial #21	Detected	5555.0MHz, -64.0dBm
Trial #22	Detected	5550.0MHz, -64.0dBm

Table 12 - Long Sequence Waveform Summary 20MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #23	Detected	5545.0MHz, -64.0dBm
Trial #24	Detected	5555.0MHz, -64.0dBm
Trial #25	Detected	5550.0MHz, -64.0dBm
Trial #26	Detected	5545.0MHz, -64.0dBm
Trial #27	Detected	5555.0MHz, -64.0dBm
Trial #28	Detected	5550.0MHz, -64.0dBm
Trial #29	Detected	5545.0MHz, -64.0dBm
Trial #30	Detected	5555.0MHz, -64.0dBm

Table 13 - Long Sequence Waveform Trial#1 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	79.0	6	1404.0	-	0.832863
2	1	51.6	18	-	-	1.536065
3	1	72.7	20	-	-	2.494035
4	1	75.7	13	-	-	3.369091
5	1	96.2	13	-	-	4.133564
6	2	90.9	6	1505.0	-	5.320952
7	3	64.7	9	1962.0	1438.0	5.801397
8	2	83.6	10	1854.0	-	7.286565
9	2	57.3	9	1367.0	-	7.890301
10	3	87.9	9	1519.0	1842.0	8.897970
11	1	67.7	12	-	-	9.327575
12	3	88.9	15	1898.0	1384.0	10.897264
13	2	86.8	10	1029.0	-	11.768436

Table 14 - Long Sequence Waveform Trial#2 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	90.3	15	1129.0	1957.0	0.543400
2	2	99.9	7	1740.0	-	1.161827
3	2	67.4	15	1216.0	-	1.674789
4	2	55.1	7	1388.0	-	2.612679
5	2	94.1	12	1654.0	-	3.627909
6	3	57.6	13	1268.0	1463.0	4.438667
7	2	59.5	7	1004.0	-	4.912342
8	1	83.7	16	-	-	5.558333
9	2	68.9	17	1959.0	-	6.045986
10	2	52.1	18	1103.0	-	7.315198
11	1	85.7	15	-	-	8.146326
12	2	52.8	18	1454.0	-	8.333393
13	3	61.9	9	1994.0	1241.0	9.188511
14	2	64.0	20	1616.0	-	9.808083
15	2	92.9	17	1470.0	-	11.030301

Table 14 - Long Sequence Waveform Trial#2 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
16	2	89.9	6	1768.0	-	11.855827

Table 15 - Long Sequence Waveform Trial#3 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	73.8	6	1662.0	-	0.636678
2	1	69.5	11	-	-	1.315456
3	2	58.0	6	1948.0	-	1.961967
4	2	97.8	18	1019.0	-	2.546971
5	3	87.1	9	1233.0	1281.0	3.505567
6	2	72.2	11	1708.0	-	4.004558
7	2	67.7	7	1384.0	-	4.716245
8	2	56.1	16	1002.0	-	5.347994
9	2	82.6	19	1581.0	-	6.245821
10	2	94.6	10	1709.0	-	7.259427
11	2	59.1	8	1518.0	-	7.713656
12	2	99.9	15	1336.0	-	8.269108
13	2	69.6	8	1668.0	-	9.633378
14	1	97.8	14	-	-	9.973266
15	1	85.2	12	-	-	11.110606
16	2	99.3	17	1219.0	-	11.587761

Table 16 - Long Sequence Waveform Trial#4 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	76.0	19	1385.0	-	0.434523
2	2	83.9	19	1356.0	-	1.214729
3	2	98.8	10	1944.0	-	1.556796
4	3	95.6	9	1615.0	1505.0	2.004178
5	2	81.0	15	1128.0	-	2.865697
6	2	96.3	18	1330.0	-	3.159560
7	2	75.6	6	1696.0	-	4.052661
8	2	92.2	17	1304.0	-	4.505757
9	3	69.0	19	1821.0	1442.0	5.546494
10	2	86.3	13	1731.0	-	6.154732
11	1	55.3	16	-	-	6.877317
12	3	50.9	19	1256.0	1193.0	7.364081
13	3	82.3	14	1891.0	1046.0	8.070457
14	1	97.6	6	-	-	8.708230
15	3	84.5	13	1543.0	1419.0	9.238091
16	1	96.1	17	-	-	9.551445
17	3	76.6	17	1312.0	1899.0	10.441416
18	1	55.6	16	-	-	11.339622
19	3	58.9	14	1433.0	1529.0	11.665083

Table 17 - Long Sequence Waveform Trial#5 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.1	14	1106.0	-	0.233247

Table 17 - Long Sequence Waveform Trial#5 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
2	2	55.1	19	1397.0	-	1.036979
3	2	78.9	14	1466.0	-	1.831781
4	2	94.8	6	1169.0	-	2.267201
5	1	71.1	11	-	-	3.442523
6	1	67.9	8	-	-	4.103867
7	2	54.7	13	1211.0	-	5.246480
8	2	82.6	19	1718.0	-	5.635812
9	2	59.4	13	1813.0	-	6.733055
10	2	63.9	11	1452.0	-	7.174962
11	1	66.0	17	-	-	7.755090
12	1	69.6	16	-	-	8.944673
13	3	65.2	16	1250.0	1529.0	9.214398
14	3	50.5	11	1060.0	1846.0	10.002407
15	1	59.4	8	-	-	10.821165
16	3	50.6	12	1915.0	1810.0	11.502668

Table 18 - Long Sequence Waveform Trial#6 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	73.8	16	1438.0	-	0.151591
2	3	95.3	17	1613.0	1828.0	0.853209
3	2	57.7	20	1925.0	-	1.654248
4	3	88.5	10	1433.0	1825.0	2.378460
5	1	81.3	14	-	-	2.439983
6	1	67.3	16	-	-	3.489692
7	1	96.3	14	-	-	3.754396
8	3	63.3	18	1630.0	1345.0	4.755525
9	2	72.4	18	1755.0	-	5.387349
10	2	98.5	9	1016.0	-	5.991647
11	2	68.9	19	1415.0	-	6.104811
12	2	67.1	5	1056.0	-	6.802628
13	2	74.6	8	1741.0	-	7.505778
14	1	81.4	16	-	-	8.319524
15	1	89.1	8	-	-	8.625495
16	2	71.3	8	1729.0	-	9.183069
17	1	93.2	14	-	-	9.852428
18	1	79.6	14	-	-	10.208887
19	2	53.5	18	1413.0	-	11.100445
20	2	91.5	10	1264.0	-	11.659085

Table 19 - Long Sequence Waveform Trial#7 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	84.8	10	1389.0	-	0.485820
2	1	60.9	6	-	-	1.074981
3	2	50.3	8	1587.0	-	1.776283
4	2	64.1	16	1185.0	-	2.601962
5	3	70.9	10	1100.0	1664.0	3.037602
6	2	63.0	10	1029.0	-	3.862414
7	2	65.6	11	1510.0	-	5.041094

Table 19 - Long Sequence Waveform Trial#7 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	2	55.1	11	1032.0	-	5.328427
9	2	70.1	12	1830.0	-	6.737300
10	2	53.9	20	1409.0	-	6.756103
11	1	86.1	13	-	-	8.188137
12	2	72.4	11	1433.0	-	8.745297
13	2	84.9	8	1816.0	-	9.531818
14	2	55.6	10	1991.0	-	10.174753
15	2	97.0	20	1383.0	-	10.762329
16	1	80.1	18	-	-	11.818801

Table 20 - Long Sequence Waveform Trial#8 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.9	16	1314.0	-	0.749391
2	1	51.9	17	-	-	2.217822
3	2	75.8	13	1879.0	-	4.245297
4	2	55.7	9	1478.0	-	5.531791
5	2	87.9	12	1932.0	-	7.449482
6	2	90.5	16	1837.0	-	7.671490
7	1	74.6	18	-	-	9.176694
8	1	62.7	9	-	-	11.289980

Table 21 - Long Sequence Waveform Trial#9 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	89.8	16	1415.0	-	0.303212
2	2	71.9	9	1173.0	-	1.494055
3	2	53.9	6	1415.0	-	2.376688
4	1	78.2	20	-	-	2.747068
5	1	54.3	16	-	-	3.427587
6	2	90.4	19	1721.0	-	4.608392
7	3	71.3	6	1861.0	1625.0	5.518439
8	2	92.4	11	1160.0	-	5.853931
9	3	82.2	12	1879.0	1417.0	7.060229
10	3	79.8	18	1064.0	1169.0	7.693099
11	3	51.6	13	1003.0	1821.0	8.574248
12	1	52.2	20	-	-	9.025115
13	2	61.7	12	1153.0	-	9.917685
14	1	95.4	9	-	-	10.808170
15	2	64.7	13	1845.0	-	11.279648

Table 22 - Long Sequence Waveform Trial#10 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	63.5	14	1076.0	-	0.089118
2	3	97.1	8	1746.0	1008.0	1.067901
3	3	83.5	7	1209.0	1733.0	1.679406
4	1	85.7	7	-	-	2.563604
5	2	63.9	12	1967.0	-	2.707123

Table 22 - Long Sequence Waveform Trial#10 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
6	1	77.0	8	-	-	3.986636
7	1	59.3	16	-	-	4.607627
8	2	88.2	12	1457.0	-	4.918516
9	2	99.4	15	1597.0	-	5.906038
10	2	72.2	12	1333.0	-	6.206683
11	3	90.4	7	1041.0	2000.0	7.263051
12	2	86.7	6	1263.0	-	7.347234
13	2	63.7	17	1157.0	-	8.556991
14	3	74.6	15	1754.0	1101.0	8.900126
15	1	63.5	7	-	-	9.845134
16	2	96.7	9	1000.0	-	10.059885
17	1	67.1	10	-	-	10.702979
18	2	88.2	17	1119.0	-	11.403580

Table 23 - Long Sequence Waveform Trial#11 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	80.1	13	1668.0	-	0.329736
2	1	60.4	6	-	-	1.565503
3	3	70.0	20	1516.0	1455.0	2.627521
4	2	90.1	12	1608.0	-	3.121661
5	1	68.6	11	-	-	4.699172
6	2	92.3	12	1577.0	-	5.143126
7	3	80.9	8	1247.0	1889.0	6.460932
8	2	52.9	8	1078.0	-	7.238306
9	1	91.1	9	-	-	8.443977
10	1	51.6	5	-	-	9.939665
11	1	88.0	19	-	-	10.311628
12	2	91.7	12	1120.0	-	11.235300

Table 24 - Long Sequence Waveform Trial#12 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	91.3	14	1436.0	1540.0	0.046163
2	1	60.2	7	-	-	1.218478
3	2	53.2	12	1379.0	-	1.641634
4	1	56.7	12	-	-	2.544015
5	2	98.0	17	1859.0	-	3.327462
6	3	54.3	7	1670.0	1549.0	3.514448
7	3	64.8	13	1451.0	1027.0	4.163979
8	2	63.7	7	1084.0	-	4.876618
9	2	71.9	19	1509.0	-	5.558658
10	2	89.9	20	1646.0	-	6.563593
11	3	76.1	6	1123.0	1369.0	7.136033
12	2	86.4	5	1356.0	-	7.578288
13	2	63.8	13	1225.0	-	8.485839
14	1	75.9	18	-	-	9.057811
15	2	75.4	10	1524.0	-	9.688247
16	1	58.4	16	-	-	10.142051
17	2	67.2	10	1299.0	-	10.825420

Table 24 - Long Sequence Waveform Trial#12 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
18	1	82.7	6	-	-	11.995276

Table 25 - Long Sequence Waveform Trial#13 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	50.8	5	-	-	0.756774
2	2	68.9	17	1951.0	-	1.132545
3	3	88.9	8	1567.0	1064.0	2.034775
4	3	53.3	10	1707.0	1366.0	3.135288
5	3	66.5	20	1744.0	1379.0	3.776912
6	1	98.3	6	-	-	4.115194
7	3	78.2	8	1060.0	1468.0	5.343822
8	1	66.2	19	-	-	5.880102
9	2	78.1	13	1581.0	-	6.997301
10	1	74.4	7	-	-	7.290172
11	1	85.7	20	-	-	8.095169
12	2	78.7	10	1222.0	-	9.452993
13	2	58.1	15	1611.0	-	9.972277
14	3	76.8	10	1349.0	1923.0	11.059940
15	1	70.1	10	-	-	11.734119

Table 26 - Long Sequence Waveform Trial#14 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	83.5	18	-	-	0.425597
2	2	95.0	8	1643.0	-	1.618019
3	3	62.8	15	1980.0	1968.0	2.446998
4	3	84.8	11	1389.0	1063.0	3.033970
5	3	54.7	8	1033.0	1300.0	4.917698
6	2	73.2	15	1550.0	-	5.670284
7	2	87.3	9	1526.0	-	6.684212
8	1	70.7	7	-	-	7.968065
9	3	69.3	17	1476.0	1710.0	8.150420
10	3	80.6	17	1087.0	1994.0	9.235841
11	2	89.9	12	1626.0	-	10.424875
12	3	72.3	16	1195.0	1088.0	11.249953

Table 27 - Long Sequence Waveform Trial#15 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	67.9	8	-	-	0.157808
2	3	93.5	8	1622.0	1712.0	1.629340
3	2	61.1	19	1867.0	-	1.944271
4	1	54.4	14	-	-	3.311131
5	2	94.3	11	1811.0	-	3.674218
6	3	80.7	6	1290.0	1461.0	4.465820
7	1	81.2	17	-	-	5.592760
8	2	95.7	11	1649.0	-	6.338659
9	3	52.9	9	1587.0	1330.0	7.400817

Table 27 - Long Sequence Waveform Trial#15 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
10	1	64.2	8	-	-	8.255232
11	1	88.4	9	-	-	8.995557
12	2	73.5	9	1538.0	-	9.671081
13	2	59.9	12	1710.0	-	11.072666
14	2	84.1	11	1851.0	-	11.565603

Table 28 - Long Sequence Waveform Trial#16 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	93.9	9	1636.0	-	1.016877
2	1	71.1	16	-	-	1.700195
3	2	55.6	19	1806.0	-	3.521590
4	2	56.8	14	1618.0	-	4.197917
5	2	79.6	14	1925.0	-	5.095909
6	2	84.5	7	1320.0	-	6.042753
7	2	52.1	14	1063.0	-	7.431289
8	3	70.1	9	1630.0	1284.0	9.155944
9	2	65.4	6	1588.0	-	10.471259
10	1	64.7	8	-	-	10.809463

Table 29 - Long Sequence Waveform Trial#17 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	58.1	7	1156.0	1935.0	0.470830
2	3	97.3	8	1760.0	1735.0	0.855193
3	2	73.0	16	1862.0	-	1.525892
4	3	56.3	10	1334.0	1531.0	2.471101
5	1	77.3	9	-	-	3.130487
6	2	91.6	5	1906.0	-	3.989313
7	2	86.0	6	1292.0	-	4.516004
8	1	86.0	9	-	-	5.314091
9	2	98.5	13	1076.0	-	6.163114
10	3	86.2	8	1487.0	1430.0	6.429024
11	1	98.9	12	-	-	7.405900
12	1	95.9	14	-	-	8.175498
13	1	52.5	13	-	-	9.073790
14	1	57.0	15	-	-	9.685004
15	1	80.7	8	-	-	10.427714
16	2	86.6	15	1050.0	-	10.589101
17	2	54.4	18	1223.0	-	11.445603

Table 30 - Long Sequence Waveform Trial#18 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	57.7	6	-	-	0.308691
2	2	70.9	8	1815.0	-	1.123729
3	3	66.4	9	1358.0	1472.0	1.513058
4	2	80.1	15	1591.0	-	2.123714
5	3	76.1	7	1781.0	1370.0	2.853603

Table 30 - Long Sequence Waveform Trial#18 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
6	1	87.7	20	-	-	3.585036
7	2	58.8	20	1663.0	-	3.829875
8	3	51.9	12	1989.0	1078.0	4.878370
9	1	89.8	9	-	-	5.357780
10	2	96.5	11	1742.0	-	5.924479
11	2	65.3	6	1715.0	-	6.785225
12	2	82.5	8	1951.0	-	7.522149
13	3	96.2	10	1052.0	1301.0	7.723282
14	1	96.8	8	-	-	8.249957
15	2	98.5	17	1567.0	-	8.987170
16	3	94.3	14	1163.0	1017.0	9.977359
17	2	85.2	12	1885.0	-	10.659054
18	2	79.1	12	1118.0	-	11.230939
19	3	98.3	14	1945.0	1663.0	11.733458

Table 31 - Long Sequence Waveform Trial#19 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	78.5	14	-	-	0.683494
2	3	90.1	15	1269.0	1737.0	1.046276
3	3	57.1	12	1262.0	1203.0	2.218707
4	3	64.2	7	1086.0	1651.0	3.018175
5	2	95.4	6	1525.0	-	3.262485
6	1	99.5	7	-	-	4.104170
7	1	83.6	12	-	-	4.930587
8	2	54.1	17	1423.0	-	6.048617
9	2	65.7	20	1182.0	-	6.715651
10	2	72.1	16	1822.0	-	7.493101
11	2	71.8	6	1255.0	-	8.221266
12	1	73.7	16	-	-	8.896167
13	2	92.0	18	1437.0	-	9.727593
14	1	78.0	8	-	-	10.674285
15	1	74.7	12	-	-	11.213125

Table 32 - Long Sequence Waveform Trial#20 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	69.4	19	1196.0	-	0.191609
2	2	65.0	9	1029.0	-	1.234134
3	3	56.5	5	1165.0	1050.0	1.897646
4	2	69.1	8	1708.0	-	2.727968
5	3	53.9	16	1486.0	1692.0	3.605745
6	3	79.1	18	1133.0	1563.0	4.448839
7	1	77.4	6	-	-	5.005521
8	3	93.1	13	1900.0	1121.0	5.989281
9	2	68.1	10	1028.0	-	6.131005
10	2	69.4	8	1913.0	-	7.172096
11	3	66.6	12	1903.0	1924.0	7.952880
12	1	53.3	19	-	-	8.899294
13	2	79.1	10	1109.0	-	9.105260

Table 32 - Long Sequence Waveform Trial#20 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
14	2	67.0	18	1340.0	-	9.787561
15	2	71.8	8	1248.0	-	10.658786
16	2	60.6	13	1296.0	-	11.337440

Table 33 - Long Sequence Waveform Trial#21 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	87.0	15	1193.0	-	0.118472
2	2	91.6	14	1397.0	-	2.526738
3	2	54.2	6	1052.0	-	3.165143
4	2	71.1	11	1781.0	-	4.664188
5	2	73.4	12	1304.0	-	5.682797
6	1	56.6	8	-	-	7.228474
7	2	56.2	19	1291.0	-	9.224322
8	2	97.0	8	1446.0	-	9.732399
9	1	86.4	13	-	-	10.812396

Table 34 - Long Sequence Waveform Trial#22 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	63.0	10	1405.0	-	1.356626
2	2	75.1	6	1725.0	-	2.006620
3	1	96.6	16	-	-	3.260696
4	2	78.3	6	1106.0	-	5.145609
5	2	57.2	18	1800.0	-	7.245835
6	1	83.4	14	-	-	8.473465
7	3	98.9	20	1277.0	1279.0	9.652276
8	2	62.9	15	1863.0	-	10.868245

Table 35 - Long Sequence Waveform Trial#23 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	73.0	15	1232.0	1179.0	0.116133
2	2	82.1	16	1591.0	-	0.733468
3	2	57.1	14	1691.0	-	1.556484
4	3	83.4	8	1627.0	1250.0	1.917191
5	3	92.1	17	1495.0	1103.0	2.564201
6	1	55.7	8	-	-	3.545207
7	3	99.4	19	1327.0	1409.0	3.816830
8	3	92.8	17	1337.0	1643.0	4.775104
9	2	95.0	19	1484.0	-	5.180326
10	1	70.8	17	-	-	6.315308
11	2	83.9	8	1790.0	-	6.879195
12	2	76.4	16	1667.0	-	7.565277
13	2	78.7	10	1848.0	-	7.693501
14	3	67.2	6	1129.0	1572.0	8.687274
15	2	82.8	16	1089.0	-	9.091456
16	1	65.9	14	-	-	9.649720
17	2	94.5	18	1024.0	-	10.441861

Table 35 - Long Sequence Waveform Trial#23 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
18	1	50.6	8	-	-	11.185133
19	3	62.7	11	1262.0	1833.0	11.896558

Table 36 - Long Sequence Waveform Trial#24 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	81.9	6	-	-	0.388172
2	2	67.0	6	1073.0	-	1.055080
3	2	95.2	9	1779.0	-	1.875463
4	3	72.0	19	1186.0	1089.0	3.475022
5	1	57.8	18	-	-	4.541959
6	1	98.6	18	-	-	4.927777
7	1	61.3	9	-	-	5.850291
8	1	57.5	13	-	-	7.032315
9	2	74.9	12	1530.0	-	8.253815
10	2	52.4	14	1464.0	-	8.414805
11	2	91.9	12	1870.0	-	9.378665
12	2	57.0	20	1516.0	-	10.475903
13	2	55.9	8	1327.0	-	11.413618

Table 37 - Long Sequence Waveform Trial#25 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	50.4	15	-	-	0.255472
2	3	56.0	17	1756.0	1199.0	1.297952
3	1	60.0	14	-	-	2.141879
4	2	71.5	18	1735.0	-	3.629928
5	2	87.6	7	1082.0	-	3.956459
6	2	54.3	6	1780.0	-	5.445037
7	2	98.3	7	1273.0	-	5.829324
8	2	56.3	12	1489.0	-	6.756793
9	1	94.1	16	-	-	8.072866
10	2	61.5	7	1244.0	-	8.954241
11	1	66.5	18	-	-	9.328354
12	1	85.9	8	-	-	10.750471
13	2	65.3	16	1918.0	-	11.832082

Table 38 - Long Sequence Waveform Trial#26 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	51.8	8	1886.0	-	0.728296
2	2	77.3	16	1413.0	-	1.591057
3	3	77.8	8	1075.0	1405.0	3.105170
4	2	74.2	15	1813.0	-	3.646875
5	2	51.7	13	1236.0	-	5.979022
6	3	89.8	6	1781.0	1933.0	6.855968
7	3	82.1	19	1485.0	1970.0	7.578747
8	2	63.5	9	1922.0	-	8.955256
9	2	71.4	19	1541.0	-	10.490326

Table 38 - Long Sequence Waveform Trial#26 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
10	2	58.2	17	1803.0	-	11.977459

Table 39 - Long Sequence Waveform Trial#27 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	54.0	15	1180.0	-	0.299087
2	3	64.8	9	1672.0	1123.0	1.270857
3	3	89.8	10	1920.0	1821.0	1.549724
4	2	57.6	18	1847.0	-	2.442189
5	2	87.6	13	1791.0	-	3.072459
6	2	52.7	16	1896.0	-	3.993606
7	3	52.2	10	1963.0	1422.0	4.860285
8	2	82.8	17	1902.0	-	4.958536
9	2	78.9	9	1792.0	-	6.109697
10	3	64.4	11	1573.0	1150.0	6.577228
11	2	65.8	10	1589.0	-	7.652410
12	2	89.6	8	1107.0	-	7.991540
13	3	50.8	19	1159.0	1532.0	8.824114
14	2	79.9	13	1581.0	-	9.426427
15	2	52.6	19	1807.0	-	10.220781
16	2	88.1	16	1064.0	-	11.059260
17	1	85.0	11	-	-	11.660792

Table 40 - Long Sequence Waveform Trial#28 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.3	8	1148.0	-	0.118797
2	3	88.8	11	1495.0	1080.0	1.121879
3	3	82.3	9	1185.0	1154.0	2.182127
4	2	82.8	7	1947.0	-	3.602784
5	2	89.8	16	1245.0	-	4.000876
6	1	70.0	16	-	-	5.026080
7	2	68.3	14	1233.0	-	6.413993
8	1	79.3	19	-	-	7.521714
9	3	89.5	8	1020.0	1642.0	8.075382
10	3	99.4	19	1908.0	1250.0	9.075708
11	2	92.1	16	1891.0	-	10.004646
12	3	54.1	10	1694.0	1045.0	11.023780

Table 41 - Long Sequence Waveform Trial#29 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	68.4	12	1258.0	-	0.631917
2	1	52.1	13	-	-	1.098325
3	3	84.2	7	1931.0	1084.0	1.901429
4	2	82.2	17	1029.0	-	2.902879
5	1	100.0	13	-	-	3.498700
6	1	81.3	18	-	-	4.220433
7	1	71.0	5	-	-	4.839990

Table 41 - Long Sequence Waveform Trial#29 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	2	64.2	14	1976.0	-	5.951919
9	2	62.3	5	1339.0	-	6.069696
10	2	51.9	15	1839.0	-	7.106984
11	2	57.4	19	1669.0	-	8.202521
12	1	55.4	17	-	-	8.598261
13	3	87.7	16	1897.0	1309.0	9.537075
14	1	96.9	19	-	-	10.058881
15	3	76.7	9	1860.0	1048.0	11.139714
16	3	51.1	9	1167.0	1389.0	11.845242

Table 42 - Long Sequence Waveform Trial#30 (Detected) 20MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.5	7	1936.0	-	0.559165
2	1	95.2	16	-	-	1.671723
3	1	56.3	8	-	-	2.428502
4	2	68.8	14	1111.0	-	3.555724
5	2	56.1	8	1094.0	-	4.902961
6	1	80.5	10	-	-	5.707644
7	1	61.7	12	-	-	6.570356
8	2	68.3	8	1794.0	-	7.192587
9	2	53.0	16	1471.0	-	8.812123
10	3	64.9	10	1026.0	1859.0	9.696646
11	2	56.8	16	1782.0	-	10.887698
12	2	67.9	5	1044.0	-	11.840397

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5557.0MHz, -64.0dBm	Hop sequence: 5471, 5697, 5349, 5445, 5308, 5284, 5523, 5470, 5485, 5396, 5279, 5718, 5663, 5706, 5593, 5265, 5509, 5270, 5379, 5373, 5394, 5319, 5416, 5277, 5278, 5369, 5450, 5360, 5690, 5392, 5554, 5514, 5385, 5306, 5578, 5513, 5340, 5656, 5410, 5687, 5294, 5325, 5276, 5501, 5409, 5381, 5457, 5378, 5441, 5631, 5362, 5256, 5603, 5343, 5377, 5666, 5646, 5689, 5365, 5577, 5395, 5367, 5642, 5518, 5460, 5399, 5332, 5668, 5629, 5561, 5645, 5326, 5576, 5496, 5412, 5289, 5607, 5302, 5380, 5512, 5443, 5315, 5648, 5327, 5658, 5336, 5649, 5654, 5255, 5710, 5333, 5672, 5427, 5474, 5374, 5608, 5635, 5463, 5440, 5510 (1 hits) (07/24/2013 10:58:37 AM)
2	9	1.0	333.0	Yes	5558.0MHz, -64.0dBm	Hop sequence: 5472, 5360, 5359, 5329, 5298, 5586, 5505, 5507, 5481, 5624, 5423, 5393, 5356, 5674, 5383, 5362, 5572, 5476, 5697, 5389, 5619, 5580, 5590, 5374, 5693, 5428, 5322, 5569, 5528, 5660, 5666, 5613, 5679, 5312, 5595, 5444, 5434, 5391, 5514, 5645, 5594, 5672, 5456, 5474, 5630, 5361, 5689, 5626, 5401, 5424, 5467, 5421, 5654, 5367, 5349, 5394, 5293, 5540, 5395, 5651, 5358, 5287, 5542, 5341, 5375, 5352, 5279, 5455, 5690, 5493, 5334, 5254, 5460, 5325, 5441, 5623, 5649, 5390, 5426, 5258, 5527, 5364, 5508, 5610, 5600, 5288, 5272, 5631, 5640, 5469, 5477, 5583, 5648, 5323, 5315, 5284, 5708, 5450, 5574, 5568 (1 hits) (07/24/2013 11:00:28 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5542.0MHz, -64.0dBm	Hop sequence: 5698, 5641, 5375, 5596, 5693, 5319, 5611, 5401, 5655, 5390, 5681, 5291, 5352, 5582, 5264, 5696, 5437, 5279, 5481, 5610, 5517, 5261, 5595, 5259, 5357, 5497, 5434, 5374, 5560, 5705, 5459, 5487, 5547, 5426, 5561, 5335, 5296, 5625, 5502, 5418, 5347, 5308, 5494, 5644, 5615, 5350, 5462, 5659, 5689, 5589, 5273, 5411, 5676, 5637, 5301, 5454, 5306, 5656, 5268, 5694, 5540, 5674, 5302, 5677, 5664, 5368, 5447, 5341, 5428, 5537, 5305, 5365, 5251, 5309, 5578, 5569, 5333, 5420, 5300, 5329, 5584, 5359, 5344, 5405, 5460, 5639, 5666, 5622, 5654, 5533, 5384, 5702, 5725, 5483, 5293, 5269, 5410, 5559, 5524, 5479 (1 hits) (07/24/2013 11:01:44 AM)
4	9	1.0	333.0	Yes	5543.0MHz, -64.0dBm	Hop sequence: 5328, 5374, 5258, 5368, 5558, 5340, 5537, 5678, 5658, 5588, 5329, 5648, 5665, 5512, 5509, 5691, 5685, 5555, 5457, 5617, 5469, 5492, 5644, 5548, 5550, 5452, 5427, 5535, 5384, 5299, 5275, 5587, 5284, 5264, 5298, 5624, 5346, 5610, 5633, 5461, 5319, 5554, 5403, 5282, 5543, 5378, 5641, 5272, 5413, 5631, 5404, 5723, 5440, 5418, 5504, 5266, 5606, 5429, 5467, 5575, 5506, 5306, 5677, 5416, 5654, 5424, 5498, 5482, 5682, 5485, 5518, 5415, 5541, 5455, 5411, 5396, 5433, 5542, 5540, 5370, 5285, 5473, 5625, 5629, 5348, 5556, 5712, 5286, 5557, 5680, 5471, 5619, 5716, 5591, 5690, 5407, 5355, 5315, 5630, 5651 (9 hits) (07/24/2013 11:03:32 AM)
5	9	1.0	333.0	Yes	5544.0MHz, -64.0dBm	Hop sequence: 5559, 5505, 5399, 5294, 5547, 5648, 5479, 5340, 5291, 5491, 5391, 5653, 5257, 5362, 5432, 5365, 5376, 5667, 5525, 5335, 5608, 5632, 5293, 5299, 5631, 5454, 5518, 5418, 5425, 5435, 5361, 5663, 5577, 5414, 5552, 5372, 5329, 5467, 5499, 5343, 5574, 5458, 5507, 5593, 5535, 5538, 5285, 5708, 5471, 5265, 5566, 5628, 5256,

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
						5303, 5366, 5529, 5561, 5583, 5702, 5563, 5339, 5396, 5304, 5567, 5588, 5352, 5504, 5536, 5444, 5326, 5549, 5478, 5387, 5305, 5415, 5380, 5542, 5465, 5408, 5439, 5597, 5526, 5683, 5691, 5307, 5516, 5338, 5690, 5495, 5635, 5720, 5434, 5719, 5520, 5609, 5645, 5656, 5350, 5533, 5565 (4 hits) (07/24/2013 11:06:08 AM)
6	9	1.0	333.0	Yes	5545.0MHz, -64.0dBm	Hop sequence: 5308, 5360, 5586, 5505, 5303, 5710, 5399, 5681, 5694, 5496, 5310, 5351, 5724, 5511, 5271, 5349, 5377, 5275, 5256, 5623, 5589, 5546, 5658, 5624, 5324, 5625, 5334, 5260, 5344, 5687, 5411, 5583, 5276, 5705, 5494, 5373, 5676, 5656, 5493, 5465, 5412, 5719, 5596, 5504, 5647, 5420, 5325, 5491, 5392, 5577, 5380, 5263, 5525, 5488, 5560, 5382, 5386, 5607, 5706, 5726, 5588, 5721, 5666, 5701, 5544, 5529, 5287, 5457, 5407, 5473, 5704, 5646, 5253, 5640, 5289, 5384, 5690, 5293, 5652, 5535, 5450, 5437, 5665, 5559, 5584, 5332, 5497, 5495, 5689, 5404, 5433, 5700, 5519, 5639, 5366, 5668, 5715, 5290, 5630, 5490 (2 hits) (07/24/2013 11:07:46 AM)
7	9	1.0	333.0	Yes	5546.0MHz, -64.0dBm	Hop sequence: 5514, 5689, 5484, 5720, 5505, 5355, 5504, 5578, 5618, 5449, 5581, 5540, 5510, 5585, 5401, 5450, 5466, 5600, 5529, 5334, 5262, 5654, 5519, 5344, 5300, 5611, 5602, 5250, 5532, 5284, 5328, 5577, 5272, 5351, 5583, 5383, 5616, 5318, 5324, 5683, 5255, 5476, 5673, 5580, 5402, 5545, 5393, 5496, 5281, 5271, 5336, 5405, 5327, 5552, 5445, 5481, 5564, 5557, 5462, 5350, 5458, 5560, 5457, 5672, 5575, 5513, 5622, 5536, 5495, 5718, 5699, 5340, 5621, 5446, 5558, 5719, 5280, 5298, 5378, 5439, 5485, 5455, 5544, 5323, 5316, 5534, 5256, 5429, 5362, 5411, 5447, 5656, 5677, 5664, 5635, 5709, 5566, 5582, 5530, 5502 (5 hits) (07/24/2013 11:08:52 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	9	1.0	333.0	Yes	5547.0MHz, -64.0dBm	Hop sequence: 5444, 5492, 5468, 5386, 5344, 5273, 5458, 5337, 5534, 5412, 5363, 5266, 5684, 5697, 5689, 5603, 5433, 5533, 5632, 5440, 5609, 5698, 5361, 5490, 5554, 5445, 5293, 5343, 5394, 5621, 5448, 5587, 5378, 5275, 5308, 5477, 5255, 5699, 5535, 5679, 5325, 5583, 5278, 5577, 5599, 5419, 5542, 5280, 5438, 5479, 5329, 5449, 5367, 5722, 5686, 5582, 5415, 5606, 5272, 5680, 5390, 5548, 5287, 5398, 5316, 5437, 5401, 5678, 5380, 5560, 5265, 5466, 5342, 5425, 5526, 5528, 5500, 5663, 5336, 5382, 5667, 5403, 5624, 5326, 5299, 5252, 5546, 5472, 5338, 5496, 5705, 5410, 5718, 5525, 5409, 5286, 5486, 5279, 5644, 5274 (4 hits) (07/24/2013 11:10:44 AM)
9	9	1.0	333.0	Yes	5548.0MHz, -64.0dBm	Hop sequence: 5256, 5370, 5643, 5466, 5634, 5373, 5327, 5489, 5698, 5705, 5396, 5529, 5638, 5444, 5337, 5421, 5568, 5315, 5349, 5307, 5550, 5625, 5722, 5506, 5500, 5695, 5660, 5345, 5451, 5662, 5577, 5471, 5273, 5422, 5681, 5458, 5555, 5564, 5700, 5470, 5620, 5655, 5335, 5305, 5487, 5703, 5517, 5572, 5538, 5343, 5710, 5677, 5557, 5299, 5360, 5362, 5291, 5535, 5566, 5464, 5472, 5497, 5484, 5531, 5693, 5687, 5469, 5493, 5453, 5543, 5561, 5672, 5298, 5626, 5716, 5709, 5526, 5501, 5608, 5530, 5599, 5297, 5482, 5718, 5282, 5683, 5548, 5649, 5717, 5514, 5711, 5544, 5680, 5682, 5669, 5267, 5480, 5322, 5288, 5341 (6 hits) (07/24/2013 11:12:19 AM)
10	9	1.0	333.0	Yes	5549.0MHz, -64.0dBm	Hop sequence: 5645, 5500, 5637, 5595, 5563, 5260, 5308, 5437, 5670, 5421, 5271, 5488, 5345, 5682, 5479, 5621, 5326, 5364, 5615, 5610, 5428, 5484, 5379, 5350, 5281, 5270, 5655, 5543, 5429, 5583, 5702, 5508, 5538, 5325, 5489, 5391, 5586, 5471, 5353, 5373, 5427, 5639, 5475, 5524, 5598, 5328, 5286, 5658, 5431, 5689, 5631, 5368, 5461,

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
						5375, 5613, 5620, 5393, 5582, 5356, 5311, 5542, 5257, 5605, 5699, 5515, 5450, 5512, 5483, 5335, 5503, 5721, 5700, 5340, 5372, 5604, 5459, 5584, 5534, 5619, 5380, 5296, 5540, 5347, 5346, 5320, 5447, 5688, 5468, 5433, 5547, 5624, 5622, 5455, 5398, 5708, 5533, 5297, 5571, 5558, 5272 (4 hits) (07/24/2013 11:13:36 AM)
11	9	1.0	333.0	Yes	5550.0MHz, -64.0dBm	Hop sequence: 5617, 5269, 5456, 5403, 5443, 5507, 5535, 5254, 5418, 5327, 5594, 5560, 5576, 5382, 5428, 5525, 5342, 5265, 5436, 5601, 5577, 5694, 5431, 5419, 5438, 5685, 5338, 5416, 5359, 5252, 5278, 5529, 5462, 5423, 5513, 5340, 5484, 5722, 5682, 5394, 5314, 5533, 5360, 5619, 5634, 5388, 5271, 5557, 5714, 5626, 5356, 5666, 5624, 5319, 5702, 5663, 5481, 5531, 5717, 5346, 5374, 5681, 5284, 5496, 5526, 5457, 5709, 5347, 5503, 5603, 5649, 5701, 5448, 5485, 5540, 5488, 5565, 5413, 5566, 5409, 5514, 5486, 5320, 5695, 5711, 5664, 5530, 5683, 5445, 5324, 5537, 5325, 5323, 5512, 5442, 5552, 5421, 5611, 5653, 5511 (2 hits) (07/24/2013 11:15:00 AM)
12	9	1.0	333.0	Yes	5551.0MHz, -64.0dBm	Hop sequence: 5612, 5652, 5518, 5391, 5642, 5583, 5624, 5623, 5263, 5626, 5464, 5526, 5342, 5257, 5475, 5533, 5436, 5316, 5324, 5545, 5604, 5711, 5723, 5369, 5365, 5381, 5407, 5373, 5529, 5404, 5528, 5522, 5428, 5415, 5692, 5493, 5678, 5310, 5375, 5532, 5615, 5704, 5298, 5427, 5376, 5708, 5465, 5593, 5517, 5421, 5502, 5333, 5327, 5680, 5462, 5620, 5357, 5253, 5322, 5682, 5614, 5713, 5379, 5487, 5368, 5666, 5695, 5691, 5603, 5602, 5573, 5556, 5495, 5308, 5592, 5637, 5426, 5303, 5571, 5621, 5569, 5355, 5433, 5380, 5531, 5405, 5352, 5440, 5530, 5673, 5501, 5267, 5478, 5663, 5402, 5437, 5706, 5605, 5677, 5309 (2 hits) (07/24/2013 11:16:15 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5552.0MHz, -64.0dBm	Hop sequence: 5455, 5330, 5565, 5700, 5535, 5299, 5718, 5386, 5528, 5312, 5354, 5670, 5481, 5267, 5333, 5672, 5306, 5522, 5472, 5595, 5374, 5283, 5480, 5573, 5667, 5305, 5307, 5544, 5460, 5292, 5478, 5505, 5417, 5651, 5375, 5272, 5459, 5324, 5298, 5686, 5636, 5545, 5564, 5388, 5634, 5656, 5597, 5484, 5448, 5698, 5269, 5437, 5532, 5589, 5303, 5339, 5702, 5665, 5696, 5392, 5676, 5295, 5541, 5692, 5265, 5561, 5551, 5501, 5632, 5383, 5471, 5630, 5336, 5724, 5356, 5552, 5488, 5323, 5714, 5557, 5349, 5397, 5492, 5497, 5334, 5403, 5345, 5326, 5276, 5725, 5592, 5599, 5445, 5507, 5263, 5594, 5608, 5444, 5577, 5550 (6 hits) (07/24/2013 11:17:41 AM)
14	9	1.0	333.0	Yes	5553.0MHz, -64.0dBm	Hop sequence: 5365, 5706, 5695, 5436, 5422, 5459, 5383, 5569, 5661, 5665, 5484, 5296, 5415, 5297, 5539, 5476, 5382, 5613, 5454, 5417, 5458, 5299, 5320, 5647, 5359, 5552, 5603, 5367, 5310, 5516, 5307, 5580, 5373, 5486, 5522, 5434, 5304, 5395, 5681, 5472, 5362, 5273, 5295, 5444, 5316, 5672, 5696, 5502, 5541, 5574, 5326, 5408, 5252, 5489, 5478, 5693, 5657, 5512, 5535, 5534, 5621, 5591, 5551, 5560, 5389, 5361, 5324, 5509, 5464, 5536, 5514, 5581, 5598, 5372, 5630, 5494, 5497, 5642, 5333, 5461, 5292, 5649, 5271, 5602, 5555, 5445, 5544, 5496, 5640, 5413, 5653, 5369, 5450, 5593, 5470, 5491, 5500, 5440, 5351, 5495 (4 hits) (07/24/2013 11:27:55 AM)
15	9	1.0	333.0	Yes	5554.0MHz, -64.0dBm	Hop sequence: 5722, 5487, 5374, 5720, 5726, 5718, 5400, 5401, 5479, 5448, 5478, 5385, 5422, 5436, 5468, 5306, 5431, 5442, 5311, 5466, 5288, 5528, 5440, 5656, 5297, 5563, 5610, 5252, 5373, 5325, 5716, 5654, 5602, 5277, 5307, 5331, 5429, 5509, 5675, 5278, 5424, 5608, 5706, 5270, 5519, 5368, 5546, 5526, 5578, 5263, 5332, 5570, 5588,

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
						5451, 5419, 5465, 5668, 5420, 5551, 5305, 5286, 5579, 5725, 5361, 5458, 5553, 5335, 5382, 5443, 5696, 5710, 5536, 5464, 5280, 5660, 5640, 5376, 5301, 5495, 5414, 5303, 5568, 5367, 5387, 5566, 5333, 5680, 5688, 5338, 5702, 5490, 5647, 5597, 5389, 5711, 5339, 5403, 5416, 5628, 5632 (3 hits) (07/24/2013 11:29:31 AM)
16	9	1.0	333.0	Yes	5555.0MHz, -64.0dBm	Hop sequence: 5544, 5270, 5380, 5331, 5573, 5448, 5527, 5359, 5282, 5387, 5509, 5614, 5431, 5423, 5303, 5612, 5350, 5334, 5706, 5688, 5340, 5392, 5351, 5610, 5559, 5409, 5504, 5433, 5325, 5454, 5515, 5309, 5438, 5361, 5561, 5623, 5389, 5635, 5584, 5335, 5567, 5252, 5577, 5677, 5396, 5498, 5401, 5526, 5479, 5420, 5385, 5377, 5496, 5338, 5304, 5653, 5295, 5726, 5324, 5485, 5370, 5398, 5320, 5302, 5523, 5354, 5555, 5474, 5711, 5263, 5669, 5670, 5592, 5572, 5681, 5531, 5524, 5716, 5697, 5643, 5511, 5300, 5517, 5444, 5427, 5600, 5708, 5357, 5566, 5333, 5368, 5353, 5704, 5262, 5650, 5593, 5483, 5306, 5663, 5599 (2 hits) (07/24/2013 11:34:21 AM)
17	9	1.0	333.0	Yes	5556.0MHz, -64.0dBm	Hop sequence: 5550, 5477, 5445, 5571, 5478, 5634, 5544, 5496, 5369, 5702, 5306, 5471, 5689, 5340, 5330, 5534, 5622, 5331, 5646, 5303, 5396, 5264, 5378, 5255, 5276, 5284, 5322, 5635, 5379, 5724, 5717, 5458, 5621, 5641, 5613, 5718, 5277, 5574, 5491, 5687, 5602, 5615, 5372, 5695, 5657, 5416, 5608, 5638, 5604, 5541, 5650, 5670, 5643, 5520, 5317, 5424, 5361, 5426, 5386, 5297, 5427, 5357, 5653, 5266, 5282, 5311, 5665, 5312, 5569, 5707, 5536, 5511, 5410, 5432, 5398, 5437, 5428, 5593, 5696, 5572, 5716, 5381, 5470, 5583, 5508, 5452, 5599, 5366, 5555, 5515, 5268, 5283, 5595, 5397, 5270, 5353, 5459, 5294, 5667, 5457 (3 hits) (07/24/2013 11:35:21 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
18	9	1.0	333.0	Yes	5557.0MHz, -64.0dBm	Hop sequence: 5616, 5520, 5650, 5332, 5537, 5315, 5430, 5692, 5305, 5431, 5666, 5489, 5525, 5335, 5682, 5515, 5560, 5269, 5311, 5413, 5536, 5300, 5357, 5299, 5705, 5596, 5485, 5348, 5563, 5674, 5611, 5456, 5289, 5314, 5295, 5342, 5303, 5260, 5496, 5266, 5445, 5558, 5262, 5691, 5256, 5652, 5614, 5302, 5707, 5572, 5720, 5511, 5414, 5428, 5638, 5700, 5559, 5278, 5405, 5597, 5510, 5281, 5608, 5458, 5603, 5265, 5367, 5443, 5719, 5644, 5512, 5527, 5310, 5709, 5258, 5524, 5507, 5553, 5694, 5545, 5253, 5255, 5353, 5502, 5647, 5304, 5380, 5636, 5695, 5288, 5641, 5529, 5571, 5492, 5454, 5678, 5714, 5659, 5711, 5386 (3 hits) (07/24/2013 11:36:25 AM)
19	9	1.0	333.0	Yes	5558.0MHz, -64.0dBm	Hop sequence: 5276, 5354, 5592, 5314, 5376, 5507, 5663, 5693, 5336, 5594, 5597, 5500, 5305, 5363, 5294, 5412, 5266, 5330, 5661, 5288, 5658, 5390, 5357, 5713, 5656, 5516, 5296, 5319, 5572, 5329, 5335, 5583, 5715, 5375, 5717, 5491, 5602, 5413, 5668, 5487, 5673, 5604, 5554, 5322, 5257, 5651, 5438, 5671, 5278, 5341, 5253, 5509, 5596, 5389, 5701, 5344, 5719, 5262, 5723, 5573, 5566, 5359, 5424, 5355, 5612, 5581, 5615, 5620, 5340, 5485, 5674, 5644, 5444, 5523, 5481, 5528, 5519, 5625, 5718, 5268, 5577, 5548, 5483, 5692, 5712, 5698, 5549, 5559, 5264, 5427, 5530, 5391, 5515, 5610, 5452, 5272, 5646, 5510, 5571, 5505 (3 hits) (07/24/2013 11:37:27 AM)
20	9	1.0	333.0	Yes	5542.0MHz, -64.0dBm	Hop sequence: 5302, 5500, 5704, 5598, 5380, 5427, 5503, 5654, 5658, 5619, 5484, 5338, 5306, 5367, 5445, 5425, 5483, 5275, 5420, 5519, 5550, 5482, 5606, 5422, 5383, 5575, 5264, 5343, 5604, 5320, 5342, 5480, 5326, 5504, 5310, 5562, 5552, 5360, 5434, 5674, 5277, 5587, 5700, 5633, 5547, 5579, 5648, 5574, 5413, 5351, 5335, 5313, 5447,

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
						5668, 5468, 5573, 5385, 5530, 5357, 5646, 5664, 5638, 5618, 5564, 5406, 5440, 5271, 5682, 5522, 5656, 5449, 5518, 5368, 5580, 5714, 5443, 5456, 5370, 5470, 5323, 5577, 5636, 5570, 5525, 5719, 5472, 5437, 5426, 5457, 5715, 5526, 5397, 5355, 5479, 5452, 5268, 5461, 5494, 5635, 5377 (3 hits) (07/24/2013 11:38:52 AM)
21	9	1.0	333.0	Yes	5543.0MHz, -64.0dBm	Hop sequence: 5407, 5554, 5271, 5368, 5438, 5575, 5547, 5576, 5431, 5564, 5296, 5643, 5357, 5655, 5657, 5541, 5277, 5318, 5542, 5380, 5443, 5314, 5423, 5611, 5416, 5419, 5441, 5719, 5303, 5269, 5504, 5724, 5387, 5560, 5391, 5709, 5687, 5278, 5679, 5671, 5550, 5555, 5343, 5399, 5519, 5344, 5606, 5454, 5319, 5334, 5488, 5332, 5593, 5684, 5354, 5465, 5363, 5639, 5329, 5323, 5250, 5601, 5531, 5463, 5590, 5470, 5600, 5348, 5361, 5705, 5602, 5316, 5505, 5390, 5614, 5666, 5466, 5293, 5544, 5584, 5482, 5506, 5546, 5287, 5367, 5450, 5625, 5252, 5615, 5672, 5613, 5272, 5377, 5485, 5624, 5394, 5690, 5716, 5621, 5257 (7 hits) (07/24/2013 11:40:13 AM)
22	9	1.0	333.0	Yes	5544.0MHz, -64.0dBm	Hop sequence: 5452, 5493, 5549, 5360, 5302, 5705, 5571, 5704, 5706, 5380, 5710, 5489, 5599, 5416, 5260, 5474, 5712, 5403, 5304, 5444, 5472, 5351, 5332, 5517, 5456, 5532, 5567, 5417, 5596, 5621, 5460, 5440, 5400, 5619, 5420, 5649, 5615, 5468, 5519, 5572, 5589, 5500, 5406, 5280, 5269, 5711, 5282, 5376, 5677, 5449, 5684, 5518, 5510, 5476, 5521, 5431, 5356, 5526, 5715, 5387, 5699, 5331, 5412, 5480, 5457, 5576, 5594, 5582, 5550, 5359, 5482, 5501, 5479, 5361, 5689, 5494, 5552, 5492, 5265, 5533, 5345, 5293, 5578, 5726, 5422, 5573, 5642, 5701, 5647, 5584, 5495, 5267, 5553, 5399, 5683, 5696, 5349, 5591, 5680, 5271 (4 hits) (07/24/2013 11:41:53 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5545.0MHz, -64.0dBm	Hop sequence: 5659, 5563, 5346, 5469, 5369, 5656, 5361, 5319, 5433, 5329, 5440, 5419, 5367, 5270, 5501, 5581, 5660, 5302, 5524, 5666, 5587, 5604, 5500, 5252, 5503, 5544, 5256, 5554, 5458, 5276, 5692, 5504, 5479, 5685, 5442, 5531, 5253, 5403, 5374, 5673, 5414, 5283, 5322, 5631, 5427, 5376, 5623, 5447, 5308, 5543, 5609, 5516, 5280, 5355, 5304, 5467, 5411, 5549, 5429, 5310, 5547, 5630, 5470, 5513, 5594, 5719, 5472, 5576, 5674, 5359, 5327, 5481, 5282, 5257, 5274, 5345, 5263, 5330, 5288, 5409, 5527, 5303, 5451, 5680, 5684, 5693, 5610, 5294, 5418, 5542, 5592, 5608, 5550, 5718, 5437, 5261, 5605, 5260, 5297, 5286 (7 hits) (07/24/2013 11:43:30 AM)
24	9	1.0	333.0	Yes	5546.0MHz, -64.0dBm	Hop sequence: 5665, 5308, 5334, 5438, 5327, 5600, 5366, 5365, 5622, 5439, 5288, 5348, 5409, 5372, 5454, 5489, 5701, 5342, 5582, 5553, 5280, 5617, 5262, 5270, 5592, 5255, 5363, 5260, 5531, 5530, 5321, 5672, 5628, 5561, 5458, 5381, 5619, 5411, 5560, 5502, 5679, 5289, 5472, 5535, 5359, 5614, 5593, 5583, 5465, 5380, 5597, 5362, 5443, 5527, 5390, 5607, 5717, 5605, 5452, 5421, 5514, 5320, 5538, 5360, 5300, 5596, 5683, 5351, 5481, 5379, 5536, 5310, 5407, 5567, 5676, 5445, 5341, 5467, 5461, 5261, 5281, 5637, 5278, 5305, 5258, 5550, 5304, 5598, 5464, 5495, 5661, 5640, 5466, 5423, 5639, 5713, 5528, 5290, 5663, 5482 (2 hits) (07/24/2013 11:44:44 AM)
25	9	1.0	333.0	Yes	5547.0MHz, -64.0dBm	Hop sequence: 5522, 5549, 5317, 5407, 5557, 5281, 5297, 5584, 5485, 5652, 5509, 5471, 5605, 5572, 5478, 5596, 5676, 5345, 5593, 5672, 5424, 5372, 5561, 5721, 5413, 5617, 5663, 5386, 5669, 5438, 5427, 5355, 5457, 5484, 5468, 5679, 5307, 5612, 5398, 5421, 5618, 5542, 5367, 5359, 5483, 5603, 5261, 5707, 5711, 5328, 5412, 5504, 5335,

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
						5548, 5275, 5431, 5680, 5543, 5696, 5622, 5346, 5594, 5435, 5670, 5587, 5473, 5623, 5516, 5691, 5491, 5597, 5725, 5704, 5397, 5501, 5285, 5674, 5327, 5462, 5718, 5361, 5280, 5688, 5313, 5425, 5266, 5255, 5526, 5552, 5312, 5305, 5571, 5409, 5528, 5530, 5460, 5715, 5503, 5318, 5449 (6 hits) (07/24/2013 11:46:11 AM)
26	9	1.0	333.0	Yes	5548.0MHz, -64.0dBm	Hop sequence: 5440, 5388, 5661, 5466, 5659, 5338, 5334, 5647, 5262, 5450, 5366, 5692, 5282, 5357, 5562, 5267, 5448, 5570, 5451, 5719, 5433, 5408, 5623, 5463, 5529, 5372, 5474, 5386, 5507, 5317, 5483, 5506, 5410, 5577, 5558, 5566, 5646, 5540, 5528, 5284, 5671, 5665, 5270, 5402, 5524, 5631, 5493, 5521, 5373, 5621, 5384, 5616, 5639, 5393, 5554, 5650, 5335, 5442, 5648, 5640, 5461, 5689, 5610, 5505, 5470, 5391, 5576, 5427, 5688, 5634, 5307, 5539, 5543, 5349, 5641, 5538, 5594, 5417, 5614, 5403, 5383, 5399, 5477, 5355, 5677, 5490, 5628, 5322, 5722, 5375, 5469, 5336, 5574, 5581, 5632, 5595, 5573, 5714, 5423, 5288 (3 hits) (07/24/2013 11:47:30 AM)
27	9	1.0	333.0	Yes	5549.0MHz, -64.0dBm	Hop sequence: 5579, 5511, 5659, 5575, 5401, 5533, 5317, 5685, 5632, 5707, 5300, 5334, 5524, 5298, 5667, 5722, 5519, 5451, 5357, 5363, 5348, 5589, 5550, 5539, 5478, 5276, 5367, 5375, 5304, 5569, 5605, 5329, 5456, 5488, 5406, 5259, 5333, 5556, 5315, 5466, 5641, 5376, 5661, 5634, 5481, 5391, 5672, 5251, 5344, 5709, 5643, 5504, 5346, 5564, 5368, 5508, 5576, 5299, 5681, 5340, 5513, 5677, 5574, 5265, 5349, 5423, 5553, 5557, 5570, 5568, 5444, 5440, 5250, 5380, 5306, 5566, 5642, 5660, 5693, 5398, 5542, 5473, 5695, 5330, 5397, 5582, 5388, 5436, 5313, 5318, 5449, 5706, 5720, 5577, 5664, 5596, 5692, 5497, 5580, 5673 (5 hits) (07/24/2013 11:48:51 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	9	1.0	333.0	Yes	5550.0MHz, -64.0dBm	Hop sequence: 5699, 5267, 5284, 5562, 5546, 5266, 5655, 5307, 5497, 5321, 5301, 5482, 5290, 5522, 5654, 5332, 5258, 5541, 5309, 5383, 5323, 5696, 5465, 5427, 5495, 5695, 5296, 5536, 5574, 5594, 5462, 5631, 5678, 5282, 5350, 5270, 5467, 5701, 5633, 5439, 5486, 5645, 5572, 5624, 5647, 5684, 5304, 5550, 5540, 5511, 5513, 5349, 5381, 5256, 5380, 5520, 5336, 5724, 5361, 5485, 5662, 5406, 5689, 5416, 5494, 5626, 5558, 5340, 5705, 5432, 5711, 5687, 5490, 5584, 5668, 5539, 5553, 5351, 5335, 5501, 5605, 5387, 5414, 5431, 5325, 5666, 5561, 5651, 5464, 5514, 5377, 5390, 5398, 5629, 5364, 5250, 5358, 5322, 5591, 5359 (4 hits) (07/24/2013 11:49:55 AM)
29	9	1.0	333.0	Yes	5551.0MHz, -64.0dBm	Hop sequence: 5383, 5679, 5374, 5308, 5351, 5430, 5508, 5285, 5469, 5372, 5268, 5390, 5536, 5293, 5529, 5342, 5652, 5677, 5352, 5648, 5424, 5516, 5589, 5706, 5666, 5590, 5450, 5412, 5659, 5687, 5425, 5643, 5461, 5551, 5522, 5377, 5466, 5399, 5622, 5558, 5434, 5528, 5327, 5416, 5557, 5365, 5626, 5655, 5597, 5674, 5442, 5432, 5295, 5332, 5384, 5361, 5571, 5472, 5492, 5596, 5468, 5657, 5717, 5298, 5359, 5703, 5584, 5698, 5366, 5650, 5503, 5464, 5354, 5387, 5329, 5587, 5624, 5482, 5569, 5316, 5368, 5406, 5563, 5479, 5310, 5610, 5573, 5629, 5615, 5525, 5370, 5476, 5579, 5362, 5409, 5470, 5538, 5428, 5537, 5600 (3 hits) (07/24/2013 11:51:15 AM)
30	9	1.0	333.0	Yes	5552.0MHz, -64.0dBm	Hop sequence: 5540, 5566, 5602, 5556, 5659, 5514, 5608, 5432, 5723, 5473, 5520, 5415, 5442, 5343, 5255, 5664, 5437, 5582, 5584, 5515, 5720, 5595, 5333, 5403, 5482, 5412, 5311, 5537, 5318, 5702, 5652, 5450, 5683, 5426, 5335, 5344, 5614, 5444, 5626, 5289, 5599, 5617, 5625, 5506, 5460, 5721, 5623, 5261, 5690, 5345, 5550, 5559, 5385,

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
						5457, 5637, 5277, 5310, 5708, 5580, 5627, 5619, 5571, 5305, 5295, 5523, 5535, 5392, 5700, 5491, 5355, 5420, 5670, 5388, 5665, 5598, 5725, 5679, 5636, 5370, 5684, 5332, 5593, 5527, 5431, 5337, 5298, 5713, 5299, 5423, 5276, 5505, 5624, 5635, 5292, 5677, 5377, 5646, 5597, 5429, 5518 (2 hits) (07/24/2013 11:58:01 AM)
31	9	1.0	333.0	Yes	5553.0MHz, -64.0dBm	Hop sequence: 5441, 5496, 5504, 5314, 5260, 5410, 5374, 5708, 5458, 5662, 5266, 5515, 5482, 5526, 5390, 5550, 5699, 5387, 5273, 5367, 5453, 5621, 5286, 5691, 5435, 5602, 5438, 5649, 5562, 5660, 5521, 5399, 5293, 5600, 5328, 5624, 5713, 5676, 5267, 5300, 5298, 5352, 5508, 5455, 5498, 5647, 5431, 5639, 5327, 5679, 5369, 5535, 5304, 5348, 5440, 5485, 5292, 5723, 5400, 5680, 5467, 5454, 5488, 5290, 5347, 5698, 5460, 5416, 5389, 5666, 5695, 5349, 5321, 5489, 5308, 5497, 5538, 5542, 5584, 5671, 5572, 5579, 5637, 5388, 5590, 5424, 5258, 5307, 5362, 5339, 5491, 5593, 5391, 5565, 5342, 5530, 5316, 5636, 5329, 5549 (3 hits) (07/24/2013 11:59:42 AM)
32	9	1.0	333.0	Yes	5554.0MHz, -64.0dBm	Hop sequence: 5501, 5526, 5559, 5571, 5635, 5631, 5396, 5452, 5652, 5422, 5450, 5474, 5574, 5511, 5464, 5342, 5512, 5653, 5558, 5372, 5605, 5369, 5668, 5696, 5351, 5434, 5593, 5693, 5663, 5612, 5399, 5552, 5674, 5697, 5641, 5340, 5557, 5577, 5319, 5550, 5686, 5314, 5680, 5407, 5541, 5726, 5669, 5463, 5646, 5618, 5315, 5607, 5473, 5586, 5283, 5637, 5264, 5447, 5597, 5483, 5704, 5517, 5446, 5627, 5563, 5485, 5291, 5719, 5711, 5406, 5588, 5549, 5313, 5402, 5408, 5528, 5323, 5715, 5683, 5424, 5490, 5633, 5277, 5667, 5658, 5670, 5381, 5311, 5651, 5703, 5472, 5505, 5328, 5352, 5285, 5393, 5488, 5643, 5359, 5679 (5 hits) (07/24/2013 12:02:21 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
33	9	1.0	333.0	Yes	5555.0MHz, -64.0dBm	Hop sequence: 5355, 5314, 5698, 5340, 5693, 5418, 5493, 5547, 5572, 5311, 5558, 5647, 5632, 5699, 5276, 5487, 5612, 5316, 5628, 5504, 5587, 5344, 5543, 5651, 5571, 5266, 5251, 5330, 5433, 5694, 5521, 5388, 5461, 5384, 5463, 5361, 5718, 5636, 5261, 5503, 5368, 5505, 5263, 5456, 5383, 5614, 5260, 5269, 5272, 5484, 5576, 5482, 5485, 5267, 5389, 5575, 5430, 5332, 5606, 5428, 5365, 5557, 5395, 5690, 5720, 5443, 5623, 5458, 5452, 5476, 5597, 5502, 5375, 5371, 5509, 5338, 5532, 5620, 5510, 5579, 5577, 5407, 5302, 5603, 5282, 5402, 5352, 5381, 5519, 5607, 5353, 5478, 5653, 5719, 5531, 5483, 5580, 5323, 5591, 5475 (4 hits) (07/24/2013 12:03:35 PM)
34	9	1.0	333.0	Yes	5556.0MHz, -64.0dBm	Hop sequence: 5436, 5369, 5483, 5578, 5692, 5428, 5658, 5475, 5511, 5715, 5702, 5516, 5280, 5415, 5346, 5319, 5555, 5341, 5393, 5559, 5618, 5546, 5574, 5423, 5311, 5663, 5725, 5537, 5482, 5628, 5497, 5671, 5287, 5464, 5470, 5292, 5410, 5595, 5712, 5659, 5597, 5446, 5569, 5606, 5350, 5632, 5329, 5621, 5361, 5600, 5613, 5642, 5352, 5527, 5535, 5520, 5463, 5377, 5316, 5716, 5348, 5690, 5484, 5365, 5585, 5421, 5472, 5598, 5577, 5614, 5609, 5657, 5588, 5252, 5641, 5305, 5648, 5651, 5274, 5561, 5477, 5286, 5448, 5681, 5285, 5514, 5264, 5359, 5529, 5645, 5521, 5524, 5375, 5695, 5705, 5337, 5492, 5587, 5661, 5501 (2 hits) (07/24/2013 12:04:51 PM)

20MHz Channel at 5550MHz, Radiated Method Spot Check

Table 44 - Summary of All Results AP_20MHz_Radiated				
Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	76.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	90.0 %	60.0 %	30	PASSED
Aggregate of above results	88.3 %	80.0 %	120	PASSED
Long Sequence	93.3 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	97.1 %	70.0 %	34	PASSED

Table 45 - FCC Short Pulse Radar (Type 1) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 09:52:41 AM)
2	18	1.0	1428.0	No	5550.0MHz, -64.0dBm	Single burst (07/29/2013 10:04:44 AM)
3	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 10:05:16 AM)
4	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 10:06:37 AM)
5	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 10:07:54 AM)
6	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 10:10:43 AM)
7	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 10:11:55 AM)
8	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 10:13:25 AM)
9	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 10:14:48 AM)
10	18	1.0	1428.0	No	5555.0MHz, -64.0dBm	Single burst (07/29/2013 10:16:08 AM)
11	18	1.0	1428.0	No	5550.0MHz, -64.0dBm	Single burst (07/29/2013 10:16:23 AM)
12	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 10:16:39 AM)
13	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 10:17:41 AM)
14	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 10:18:21 AM)
15	18	1.0	1428.0	No	5545.0MHz, -64.0dBm	Single burst (07/29/2013 10:19:18 AM)
16	18	1.0	1428.0	No	5555.0MHz, -64.0dBm	Single burst (07/29/2013 10:19:30 AM)
17	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 10:19:42 AM)
18	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 10:20:49 AM)
19	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 10:22:55 AM)

Table 45 - FCC Short Pulse Radar (Type 1) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
20	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 10:24:33 AM)
21	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 10:26:01 AM)
22	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 10:27:54 AM)
23	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 10:29:12 AM)
24	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 10:30:36 AM)
25	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 10:31:58 AM)
26	18	1.0	1428.0	No	5550.0MHz, -64.0dBm	Single burst (07/29/2013 10:33:05 AM)
27	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 10:33:27 AM)
28	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 10:34:39 AM)
29	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 10:36:00 AM)
30	18	1.0	1428.0	No	5545.0MHz, -64.0dBm	Single burst (07/29/2013 10:37:26 AM)

Table 46 - FCC Short Pulse Radar (Type 2) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	27	3.6	159.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 02:58:14 PM)
2	26	2.6	209.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 03:01:21 PM)
3	23	2.3	204.0	No	5555.0MHz, -64.0dBm	Single burst (07/29/2013 03:02:40 PM)
4	25	4.1	154.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 03:02:54 PM)
5	26	1.3	153.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 03:03:58 PM)
6	24	3.8	165.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 03:05:15 PM)
7	25	4.4	206.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 03:06:20 PM)
8	28	2.4	195.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 03:07:32 PM)
9	27	1.6	198.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 03:09:48 PM)
10	27	3.5	207.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 03:11:16 PM)
11	28	4.9	194.0	No	5545.0MHz, -64.0dBm	Single burst (07/29/2013 03:12:29 PM)
12	25	4.1	217.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 03:12:40 PM)

Table 46 - FCC Short Pulse Radar (Type 2) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	27	2.9	169.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 03:14:09 PM)
14	27	2.1	220.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 03:15:26 PM)
15	28	1.4	183.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 03:16:56 PM)
16	25	4.5	208.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 03:18:09 PM)
17	26	4.5	164.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 03:19:28 PM)
18	27	2.0	183.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 03:20:32 PM)
19	24	4.1	174.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 03:21:44 PM)
20	27	4.7	214.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 03:22:43 PM)
21	25	2.9	170.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 03:24:04 PM)
22	25	4.1	161.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 03:24:59 PM)
23	26	1.3	207.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 03:26:15 PM)
24	28	1.6	218.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 03:27:23 PM)
25	24	3.6	215.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 03:28:23 PM)
26	26	2.4	203.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 03:31:18 PM)
27	29	3.7	214.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 03:33:08 PM)
28	24	2.9	176.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 03:34:41 PM)
29	27	2.5	172.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 03:36:19 PM)
30	23	1.1	178.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 03:37:44 PM)

Table 47 - FCC Short Pulse Radar (Type 3) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	7.1	291.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:18:58 PM)
2	17	9.7	307.0	No	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:21:34 PM)
3	16	6.7	207.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:21:51 PM)
4	17	8.6	454.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:23:50 PM)
5	18	6.1	376.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:25:13 PM)

Table 47 - FCC Short Pulse Radar (Type 3) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
6	17	9.2	279.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:26:17 PM)
7	17	9.7	205.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:27:29 PM)
8	17	8.3	208.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:28:41 PM)
9	17	7.8	409.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:30:01 PM)
10	17	9.9	205.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:31:23 PM)
11	18	7.1	460.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:32:44 PM)
12	16	9.1	382.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:33:51 PM)
13	16	9.1	415.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:34:49 PM)
14	18	9.7	318.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:36:17 PM)
15	18	9.0	321.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:37:39 PM)
16	17	9.6	333.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:40:01 PM)
17	17	8.9	356.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:41:33 PM)
18	17	9.8	400.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:43:12 PM)
19	16	7.0	317.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:45:05 PM)
20	17	9.0	329.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:46:25 PM)
21	16	9.0	474.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:47:50 PM)
22	17	7.5	470.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:49:23 PM)
23	17	6.3	382.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:50:21 PM)
24	17	8.7	221.0	No	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:51:32 PM)
25	18	7.9	236.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:51:59 PM)
26	18	6.7	315.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:52:28 PM)
27	18	9.9	244.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:53:46 PM)
28	17	9.5	452.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:54:59 PM)
29	18	7.1	358.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:56:41 PM)
30	17	7.8	467.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:58:21 PM)

Table 48 - FCC Short Pulse Radar (Type 4) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	13	18.0	442.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 11:53:06 AM)
2	13	16.6	337.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 11:56:29 AM)
3	13	18.0	385.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 11:57:48 AM)
4	12	14.7	465.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 11:59:15 AM)
5	13	19.8	479.0	No	5545.0MHz, -64.0dBm	Single burst (07/29/2013 12:00:30 PM)
6	15	18.6	236.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 12:00:55 PM)
7	12	19.5	234.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 12:02:00 PM)
8	14	12.3	463.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 12:43:09 PM)
9	15	17.2	357.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 12:44:14 PM)
10	15	11.5	496.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 12:45:48 PM)
11	14	11.8	454.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 12:47:32 PM)
12	13	19.8	468.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 12:48:32 PM)
13	15	16.6	230.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 12:49:53 PM)
14	14	16.0	398.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 12:51:05 PM)
15	14	12.1	297.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 12:52:41 PM)
16	16	17.1	330.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 12:53:52 PM)
17	13	16.4	341.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 12:55:09 PM)
18	15	15.8	347.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 12:56:32 PM)
19	15	11.7	406.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 12:57:47 PM)
20	13	18.5	247.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 12:59:11 PM)
21	12	14.7	328.0	No	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:00:24 PM)
22	14	17.2	325.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:00:37 PM)
23	13	12.8	377.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:02:15 PM)
24	14	13.4	337.0	No	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:03:27 PM)
25	13	14.2	348.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:03:35 PM)
26	15	19.0	325.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:04:46 PM)
27	16	16.9	400.0	Yes	5555.0MHz,	Single burst (07/29/2013 01:06:14

Table 48 - FCC Short Pulse Radar (Type 4) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	PM)
28	13	17.3	378.0	Yes	5550.0MHz, -64.0dBm	Single burst (07/29/2013 01:07:52 PM)
29	15	19.3	377.0	Yes	5545.0MHz, -64.0dBm	Single burst (07/29/2013 01:10:17 PM)
30	12	17.0	459.0	Yes	5555.0MHz, -64.0dBm	Single burst (07/29/2013 01:11:49 PM)

Table 49 - Long Sequence Waveform Summary AP_20MHz_Radiated		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5550.0MHz, -64.0dBm
Trial #2	Detected	5545.0MHz, -64.0dBm
Trial #3	Detected	5555.0MHz, -64.0dBm
Trial #4	Detected	5550.0MHz, -64.0dBm
Trial #5	Detected	5545.0MHz, -64.0dBm
Trial #6	Detected	5555.0MHz, -64.0dBm
Trial #7	Detected	5550.0MHz, -64.0dBm
Trial #8	Detected	5545.0MHz, -64.0dBm
Trial #9	Detected	5555.0MHz, -64.0dBm
Trial #10	Detected	5550.0MHz, -64.0dBm
Trial #11	Detected	5545.0MHz, -64.0dBm
Trial #12	Detected	5555.0MHz, -64.0dBm
Trial #13	Detected	5550.0MHz, -64.0dBm
Trial #14	Detected	5545.0MHz, -64.0dBm
Trial #15	Detected	5555.0MHz, -64.0dBm
Trial #16	Detected	5550.0MHz, -64.0dBm
Trial #17	NOT Detected	5545.0MHz, -64.0dBm
Trial #18	Detected	5555.0MHz, -64.0dBm
Trial #19	Detected	5550.0MHz, -64.0dBm
Trial #20	Detected	5545.0MHz, -64.0dBm

Table 49 - Long Sequence Waveform Summary AP_20MHz_Radiated		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #21	Detected	5555.0MHz, -64.0dBm
Trial #22	Detected	5550.0MHz, -64.0dBm
Trial #23	NOT Detected	5545.0MHz, -64.0dBm
Trial #24	Detected	5555.0MHz, -64.0dBm
Trial #25	Detected	5550.0MHz, -64.0dBm
Trial #26	Detected	5545.0MHz, -64.0dBm
Trial #27	Detected	5555.0MHz, -64.0dBm
Trial #28	Detected	5550.0MHz, -64.0dBm
Trial #29	Detected	5545.0MHz, -64.0dBm
Trial #30	Detected	5555.0MHz, -64.0dBm

Table 50 - Long Sequence Waveform Trial#1 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	57.4	16	1072.0	1081.0	0.867809
2	1	71.3	19	-	-	2.044596
3	1	59.4	9	-	-	3.390529
4	2	90.3	7	1334.0	-	4.660752
5	2	79.9	9	1270.0	-	5.545941
6	1	82.6	19	-	-	6.936033
7	1	90.1	10	-	-	8.230927
8	2	54.5	17	1247.0	-	10.398330
9	2	68.7	8	1702.0	-	11.995055

Table 51 - Long Sequence Waveform Trial#2 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	82.8	9	-	-	0.243159
2	2	69.7	16	1719.0	-	1.579731
3	1	91.0	19	-	-	2.178641
4	2	99.0	6	1580.0	-	2.437164
5	2	65.0	13	1079.0	-	3.491058
6	3	53.3	6	1673.0	1300.0	4.207361
7	1	62.4	12	-	-	5.271310
8	3	53.6	19	1486.0	1451.0	6.180987
9	1	97.0	7	-	-	7.042037
10	2	60.2	11	1016.0	-	7.402185
11	3	88.0	12	1451.0	1808.0	8.573955
12	1	54.3	18	-	-	9.234261
13	2	90.7	17	1579.0	-	9.909138
14	2	97.3	7	1023.0	-	10.942770
15	2	84.4	17	1693.0	-	11.678027

Table 52 - Long Sequence Waveform Trial#3 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	56.0	8	1902.0	-	0.090425
2	2	94.2	5	1547.0	-	1.183828
3	1	75.5	19	-	-	1.756347
4	3	77.8	7	1891.0	1388.0	2.373203
5	2	89.6	14	1537.0	-	3.070445
6	1	93.9	15	-	-	3.992968
7	2	80.7	12	1746.0	-	4.561592
8	2	64.3	14	1587.0	-	4.991134
9	3	87.9	9	1956.0	1365.0	5.360264
10	2	80.3	19	1781.0	-	6.530375
11	1	80.0	15	-	-	6.887905
12	3	81.2	15	1257.0	1439.0	7.733844
13	2	63.2	10	1394.0	-	8.380197
14	2	75.9	14	1523.0	-	9.319797
15	3	59.6	12	1494.0	1860.0	9.355116
16	3	58.1	12	1807.0	1219.0	10.029030
17	2	56.7	5	1646.0	-	11.024865
18	2	95.1	9	1114.0	-	11.489394

Table 53 - Long Sequence Waveform Trial#4 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	85.1	17	-	-	0.589848
2	2	64.6	18	1050.0	-	1.023399
3	3	74.6	9	1010.0	1648.0	2.059956
4	1	52.8	8	-	-	2.421079
5	3	50.1	16	1593.0	1877.0	3.363712
6	2	95.2	19	1411.0	-	4.334045
7	2	77.1	18	1608.0	-	5.238242
8	2	68.0	19	1218.0	-	5.849769
9	3	80.9	15	1140.0	1509.0	6.270924
10	3	87.6	10	1854.0	1175.0	7.029705
11	2	54.9	12	1673.0	-	7.813988
12	2	90.6	9	1372.0	-	8.996505
13	1	87.3	17	-	-	9.492141
14	1	86.8	12	-	-	9.803612
15	1	53.6	15	-	-	11.160266
16	2	79.5	15	1693.0	-	11.928666

Table 54 - Long Sequence Waveform Trial#5 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	76.5	5	1889.0	1938.0	0.363428
2	2	68.4	12	1879.0	-	1.796959
3	1	85.7	19	-	-	2.420284
4	2	80.8	9	1325.0	-	3.807847
5	3	54.7	17	1371.0	1882.0	5.429313
6	1	60.7	6	-	-	6.427223
7	3	50.6	19	1601.0	1801.0	6.640092

Table 54 - Long Sequence Waveform Trial#5 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	3	75.3	8	1660.0	1794.0	7.830355
9	2	77.9	5	1214.0	-	9.309563
10	2	86.7	6	1180.0	-	10.782638
11	3	86.7	8	1869.0	1104.0	10.916946

Table 55 - Long Sequence Waveform Trial#6 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	96.4	7	1709.0	1288.0	0.336373
2	1	86.2	16	-	-	0.971326
3	2	64.3	7	1631.0	-	1.433073
4	3	70.9	13	1870.0	1436.0	2.251792
5	2	91.5	8	1257.0	-	2.670508
6	1	89.8	17	-	-	3.218451
7	2	69.4	16	1671.0	-	4.345621
8	1	91.7	14	-	-	4.864930
9	2	66.8	17	1054.0	-	5.101018
10	2	95.3	7	1635.0	-	5.902927
11	3	77.5	16	1125.0	1353.0	6.593191
12	2	79.6	11	1801.0	-	7.466335
13	2	70.9	17	1614.0	-	7.853380
14	2	69.3	7	1801.0	-	8.747246
15	2	94.1	19	1896.0	-	9.171202
16	3	67.7	8	1104.0	1728.0	9.713994
17	2	71.6	14	1201.0	-	10.704964
18	2	84.9	20	1571.0	-	10.944595
19	1	71.4	17	-	-	11.871122

Table 56 - Long Sequence Waveform Trial#7 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	85.0	8	-	-	0.496521
2	3	75.3	17	1754.0	1722.0	0.744951
3	2	80.3	7	1763.0	-	2.019472
4	2	68.6	12	1051.0	-	2.605119
5	1	88.9	11	-	-	3.478303
6	2	69.7	6	1007.0	-	4.032406
7	1	59.0	12	-	-	4.775516
8	2	87.9	12	1818.0	-	5.169688
9	3	55.5	16	1891.0	1975.0	5.841654
10	1	60.4	12	-	-	6.763608
11	3	74.6	8	1264.0	1132.0	7.554498
12	2	73.4	13	1185.0	-	8.353627
13	2	68.0	6	1061.0	-	8.507448
14	2	92.2	12	1343.0	-	9.775037
15	1	84.2	12	-	-	10.442365
16	1	68.0	14	-	-	11.251278
17	2	65.9	18	1901.0	-	11.878297

Table 57 - Long Sequence Waveform Trial#8 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	96.6	17	1686.0	-	0.081640
2	3	96.9	14	1666.0	1946.0	1.959334
3	3	60.1	14	1609.0	1300.0	2.747387
4	2	87.6	14	1292.0	-	3.920725
5	2	51.0	15	1311.0	-	5.225860
6	1	75.8	12	-	-	5.521948
7	2	80.0	20	1887.0	-	7.490506
8	3	53.2	12	1955.0	1854.0	8.260885
9	3	78.2	17	1596.0	1448.0	9.077061
10	3	96.7	14	1524.0	1037.0	10.692362
11	1	92.8	19	-	-	10.945255

Table 58 - Long Sequence Waveform Trial#9 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	51.2	8	1236.0	-	1.043440
2	2	62.2	17	1014.0	-	1.707750
3	2	98.4	17	1776.0	-	2.805675
4	3	57.8	5	1743.0	1165.0	3.917319
5	1	97.9	10	-	-	4.928149
6	1	65.5	19	-	-	6.331412
7	1	63.9	7	-	-	7.849315
8	2	97.8	16	1405.0	-	8.590819
9	2	62.0	13	1486.0	-	10.373647
10	2	69.4	6	1623.0	-	11.009673

Table 59 - Long Sequence Waveform Trial#10 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	67.6	6	-	-	0.204979
2	2	93.7	18	1269.0	-	1.620093
3	2	74.3	18	1035.0	-	2.231199
4	1	55.0	11	-	-	2.809078
5	3	55.7	7	1823.0	1107.0	3.598786
6	2	86.2	12	1731.0	-	4.551975
7	2	82.2	13	1642.0	-	5.348941
8	3	74.4	19	1140.0	1547.0	6.286715
9	1	69.0	8	-	-	7.354222
10	2	86.0	12	1975.0	-	7.730033
11	2	65.3	11	1451.0	-	9.112794
12	1	56.7	7	-	-	9.701934
13	2	90.9	15	1445.0	-	10.851787
14	3	99.4	9	1798.0	1945.0	11.898647

Table 60 - Long Sequence Waveform Trial#11 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	92.4	11	1696.0	-	0.456594
2	2	55.6	10	1236.0	-	1.337927

Table 60 - Long Sequence Waveform Trial#11 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
3	2	90.0	17	1779.0	-	2.523222
4	2	54.8	15	1437.0	-	3.111716
5	2	68.5	16	1990.0	-	3.845392
6	1	60.8	6	-	-	4.886642
7	2	68.8	19	1022.0	-	5.743030
8	2	51.9	16	1244.0	-	6.579793
9	3	88.3	5	1887.0	1776.0	7.627072
10	3	56.4	13	1766.0	1962.0	8.036972
11	2	75.5	13	1556.0	-	8.774724
12	3	86.9	8	1173.0	1252.0	9.780271
13	2	66.9	19	1976.0	-	10.409955
14	1	98.5	15	-	-	11.894456

Table 61 - Long Sequence Waveform Trial#12 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	50.4	14	1179.0	1633.0	0.252815
2	2	98.7	5	1360.0	-	1.081122
3	2	68.1	16	1842.0	-	1.638957
4	1	77.6	8	-	-	2.376500
5	1	62.2	17	-	-	2.808001
6	2	85.4	12	1778.0	-	3.481638
7	3	53.5	18	1647.0	1911.0	3.790630
8	2	72.5	9	1495.0	-	4.445893
9	3	54.4	11	1486.0	1390.0	5.411225
10	1	74.8	18	-	-	5.798236
11	1	67.5	10	-	-	6.603270
12	1	82.0	8	-	-	6.986037
13	1	88.9	13	-	-	7.640656
14	3	93.4	10	1751.0	1784.0	8.324475
15	1	68.6	16	-	-	8.896612
16	2	96.5	10	1115.0	-	10.074260
17	1	80.8	11	-	-	10.718587
18	2	62.2	14	1024.0	-	10.761893
19	1	70.1	19	-	-	11.894946

Table 62 - Long Sequence Waveform Trial#13 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	69.2	6	-	-	0.268418
2	2	69.8	12	1657.0	-	0.957920
3	2	70.7	8	1329.0	-	1.785855
4	3	91.8	12	1908.0	1072.0	2.617890
5	2	58.1	16	1239.0	-	3.327312
6	2	86.3	17	1354.0	-	3.560360
7	2	62.4	20	1498.0	-	4.551218
8	3	58.7	20	1391.0	1768.0	5.208196
9	2	92.8	10	1783.0	-	6.035865
10	2	63.8	17	1339.0	-	6.745955
11	2	59.7	14	1756.0	-	7.212912

Table 62 - Long Sequence Waveform Trial#13 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
12	2	78.3	15	1338.0	-	7.930582
13	1	74.0	12	-	-	8.963737
14	2	96.6	10	1737.0	-	9.666733
15	2	81.9	8	1072.0	-	9.884300
16	3	53.8	9	1370.0	1448.0	11.117790
17	2	54.4	15	1218.0	-	11.524491

Table 63 - Long Sequence Waveform Trial#14 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	62.9	5	1301.0	-	0.478655
2	3	89.8	9	1775.0	1381.0	1.460097
3	2	56.9	14	1583.0	-	2.637724
4	2	61.5	7	1915.0	-	4.234297
5	2	78.2	11	1687.0	-	5.084879
6	1	50.2	17	-	-	5.914088
7	1	59.3	20	-	-	6.724762
8	2	69.3	12	1205.0	-	8.108290
9	1	95.3	11	-	-	9.135021
10	3	70.0	7	1160.0	1428.0	9.999860
11	2	65.8	13	1864.0	-	11.111806

Table 64 - Long Sequence Waveform Trial#15 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	94.9	19	1882.0	-	0.245894
2	3	81.2	9	1615.0	1556.0	1.144604
3	2	70.3	5	1497.0	-	2.663581
4	2	51.1	6	1735.0	-	3.372322
5	3	98.1	5	1818.0	1271.0	5.167737
6	3	80.2	6	1067.0	1844.0	5.928178
7	2	54.6	19	1999.0	-	6.582940
8	2	83.2	10	1882.0	-	8.164556
9	1	88.6	8	-	-	8.871281
10	2	87.1	13	1652.0	-	10.561904
11	2	85.0	7	1619.0	-	10.982668

Table 65 - Long Sequence Waveform Trial#16 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.3	7	1853.0	-	0.561783
2	1	86.2	9	-	-	1.350290
3	2	74.3	10	1448.0	-	3.083170
4	3	77.6	12	1305.0	1974.0	4.751113
5	1	62.3	10	-	-	5.585916
6	3	58.8	7	1428.0	1848.0	6.779009
7	1	94.4	16	-	-	7.481128
8	1	85.7	10	-	-	8.730018
9	2	58.1	14	1296.0	-	9.671737

Table 65 - Long Sequence Waveform Trial#16 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
10	1	69.2	14	-	-	11.714166

Table 66 - Long Sequence Waveform Trial#17 (NOT Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	86.0	17	-	-	0.189844
2	3	91.5	18	1924.0	1092.0	1.134035
3	2	60.5	17	1394.0	-	2.549199
4	3	67.7	12	1747.0	1324.0	3.270677
5	3	73.3	17	1654.0	1830.0	4.187471
6	3	88.5	16	1479.0	1297.0	4.816106
7	2	67.0	18	1314.0	-	6.108753
8	2	97.9	8	1710.0	-	7.311692
9	1	82.0	18	-	-	7.592761
10	2	96.0	18	1056.0	-	8.720843
11	2	65.7	20	1288.0	-	9.858056
12	1	76.3	13	-	-	10.525964
13	2	89.5	12	1912.0	-	11.169889

Table 67 - Long Sequence Waveform Trial#18 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.0	7	1934.0	-	0.333368
2	2	73.8	15	1641.0	-	1.079855
3	2	78.0	20	1430.0	-	2.337490
4	1	66.6	6	-	-	2.925428
5	2	79.4	15	1776.0	-	3.450037
6	1	65.6	18	-	-	4.014376
7	3	94.7	14	1895.0	1746.0	5.152632
8	2	68.3	11	1877.0	-	5.749575
9	2	60.1	8	1496.0	-	6.992612
10	1	64.3	9	-	-	7.346691
11	2	86.3	9	1490.0	-	8.419627
12	3	98.3	11	1889.0	1331.0	8.982418
13	1	52.1	9	-	-	10.135549
14	1	81.8	9	-	-	11.065134
15	2	51.1	12	1834.0	-	11.803532

Table 68 - Long Sequence Waveform Trial#19 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	69.0	11	1099.0	-	0.205267
2	1	90.9	14	-	-	1.156838
3	1	72.1	17	-	-	1.647048
4	2	68.1	17	1816.0	-	2.476727
5	1	59.1	7	-	-	2.618653
6	1	57.4	17	-	-	3.283009
7	2	77.0	5	1425.0	-	4.352597
8	2	53.1	20	1870.0	-	4.727842

Table 68 - Long Sequence Waveform Trial#19 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
9	3	55.6	11	1331.0	1603.0	5.431205
10	1	68.9	10	-	-	5.688347
11	1	72.6	19	-	-	6.596199
12	2	79.0	9	1448.0	-	7.550148
13	3	70.8	17	1040.0	1744.0	8.036559
14	1	67.1	17	-	-	8.411867
15	3	85.8	11	1925.0	1077.0	9.043697
16	3	89.4	13	1614.0	1964.0	9.525541
17	1	97.1	10	-	-	10.273828
18	2	65.9	11	1002.0	-	10.794228
19	1	83.7	8	-	-	11.851056

Table 69 - Long Sequence Waveform Trial#20 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	92.6	13	1180.0	1496.0	0.668301
2	2	88.0	13	1169.0	-	1.058693
3	3	98.9	17	1031.0	1518.0	2.009818
4	3	87.5	5	1880.0	1607.0	2.753312
5	2	95.4	6	1856.0	-	3.442302
6	3	90.4	12	1761.0	1126.0	4.102432
7	1	99.3	11	-	-	5.232960
8	3	55.6	8	1698.0	1753.0	5.777353
9	3	57.4	14	1952.0	1627.0	6.331482
10	3	57.7	12	1205.0	1753.0	6.950959
11	2	62.1	19	1146.0	-	8.032912
12	2	58.0	5	1791.0	-	8.338379
13	2	89.9	20	1044.0	-	9.401399
14	3	75.2	10	1752.0	1098.0	10.466966
15	3	57.8	8	1153.0	1186.0	11.192524
16	2	72.2	8	1688.0	-	11.834044

Table 70 - Long Sequence Waveform Trial#21 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	94.4	13	1219.0	1175.0	0.007269
2	1	81.5	13	-	-	1.534577
3	3	80.8	14	1881.0	1705.0	3.535518
4	1	55.6	14	-	-	3.653866
5	1	77.2	13	-	-	5.686356
6	1	94.9	15	-	-	6.840042
7	2	80.0	13	1507.0	-	8.189096
8	2	78.3	14	1321.0	-	8.855750
9	2	74.5	6	1693.0	-	10.428915
10	2	52.3	7	1665.0	-	10.803401

Table 71 - Long Sequence Waveform Trial#22 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)

Table 71 - Long Sequence Waveform Trial#22 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	83.2	8	1169.0	1109.0	0.351505
2	2	88.9	18	1655.0	-	0.683818
3	1	54.3	15	-	-	1.406190
4	2	57.7	20	1525.0	-	2.262951
5	3	73.2	15	1247.0	1225.0	3.141466
6	2	95.7	10	1772.0	-	3.175905
7	2	53.0	10	1242.0	-	4.245200
8	1	88.0	16	-	-	4.782875
9	2	73.6	6	1563.0	-	5.455939
10	3	74.8	11	1866.0	1025.0	5.877615
11	1	99.5	17	-	-	6.934008
12	2	81.6	12	1454.0	-	7.118227
13	2	59.1	20	1027.0	-	8.000483
14	2	80.2	18	1907.0	-	8.807110
15	2	78.7	19	1141.0	-	9.056877
16	2	53.6	19	1580.0	-	9.601538
17	1	63.0	18	-	-	10.586485
18	1	94.6	7	-	-	11.261958
19	3	90.0	7	1396.0	1940.0	11.399264

Table 72 - Long Sequence Waveform Trial#23 (NOT Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	91.7	13	1064.0	-	0.796233
2	3	77.4	20	1221.0	1481.0	1.852604
3	1	76.0	18	-	-	2.831804
4	2	86.8	10	1460.0	-	3.829288
5	3	82.8	19	1082.0	1156.0	5.825924
6	2	70.8	7	1858.0	-	6.039330
7	2	77.8	9	1356.0	-	7.582582
8	2	81.7	10	1992.0	-	8.476711
9	3	63.0	15	1202.0	1700.0	9.997757
10	1	96.4	17	-	-	11.867158

Table 73 - Long Sequence Waveform Trial#24 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	56.6	18	1804.0	1010.0	0.273766
2	1	97.9	8	-	-	0.747185
3	3	83.7	12	1285.0	1513.0	1.661866
4	2	91.1	11	1278.0	-	1.826916
5	3	90.9	9	1068.0	1478.0	2.896473
6	2	72.2	16	1655.0	-	3.138137
7	1	79.4	20	-	-	3.905053
8	2	62.9	10	1928.0	-	4.668751
9	2	99.6	6	1470.0	-	5.261849
10	1	89.4	13	-	-	5.464508
11	1	88.9	13	-	-	6.071889
12	1	99.7	18	-	-	6.916498
13	2	65.2	14	1084.0	-	7.678503

Table 73 - Long Sequence Waveform Trial#24 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
14	2	88.0	17	1969.0	-	8.175533
15	1	94.2	9	-	-	8.862664
16	3	99.5	12	1409.0	1813.0	9.002387
17	1	67.7	12	-	-	10.159974
18	3	77.8	7	1750.0	1439.0	10.736533
19	2	60.8	14	1948.0	-	10.888296
20	2	86.5	9	1202.0	-	11.770897

Table 74 - Long Sequence Waveform Trial#25 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	57.0	9	1615.0	1025.0	0.154916
2	1	59.4	9	-	-	1.275080
3	1	69.2	18	-	-	2.698832
4	1	50.0	13	-	-	2.841902
5	3	71.7	14	1278.0	1365.0	3.933309
6	3	78.7	13	1155.0	1421.0	4.944368
7	3	88.0	14	1488.0	1635.0	6.076142
8	2	68.4	10	1830.0	-	6.666623
9	3	96.2	15	1736.0	1168.0	7.540167
10	2	51.3	16	1767.0	-	8.675918
11	2	65.4	8	1502.0	-	9.330183
12	1	62.7	5	-	-	10.804961
13	3	71.3	16	1687.0	1873.0	11.213477

Table 75 - Long Sequence Waveform Trial#26 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	67.5	10	1731.0	1374.0	0.596435
2	2	54.1	12	1253.0	-	1.585159
3	3	53.6	9	1492.0	1291.0	2.754778
4	3	55.8	10	1587.0	1088.0	3.986402
5	1	67.7	20	-	-	4.752144
6	1	68.4	10	-	-	5.766908
7	1	80.7	15	-	-	7.488135
8	2	54.1	7	1991.0	-	8.299179
9	3	60.8	14	1251.0	1570.0	9.244105
10	1	95.7	18	-	-	10.663184
11	1	87.1	18	-	-	11.491526

Table 76 - Long Sequence Waveform Trial#27 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	87.1	19	-	-	0.228464
2	2	69.5	5	1544.0	-	1.931506
3	2	97.6	13	1988.0	-	2.404164
4	2	71.5	12	1928.0	-	3.659295
5	2	84.1	19	1493.0	-	5.339634
6	2	78.4	18	1215.0	-	5.619350

Table 76 - Long Sequence Waveform Trial#27 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
7	2	69.0	10	1687.0	-	7.625866
8	2	71.8	19	1644.0	-	8.113081
9	2	84.0	12	1741.0	-	8.792136
10	2	64.7	12	1383.0	-	10.550892
11	1	73.4	16	-	-	11.524774

Table 77 - Long Sequence Waveform Trial#28 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	89.5	16	1078.0	1772.0	0.435215
2	2	76.4	15	1229.0	-	2.240821
3	3	91.7	12	1518.0	1805.0	3.495408
4	2	68.6	18	1368.0	-	4.403660
5	2	90.0	7	1849.0	-	5.333875
6	2	97.1	17	1800.0	-	7.102561
7	2	81.3	7	1812.0	-	9.061257
8	2	67.2	19	1657.0	-	10.624031
9	2	75.8	16	1279.0	-	11.344934

Table 78 - Long Sequence Waveform Trial#29 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	63.7	10	-	-	1.122740
2	2	93.4	18	1712.0	-	2.385740
3	3	87.0	17	1391.0	1218.0	3.065241
4	2	97.8	13	1000.0	-	3.851784
5	3	96.2	9	1323.0	1507.0	5.528853
6	3	65.1	20	1689.0	1881.0	6.078502
7	2	84.3	18	1352.0	-	7.344527
8	2	77.1	6	1974.0	-	8.913515
9	1	62.3	13	-	-	10.588545
10	2	73.0	9	1434.0	-	10.967084

Table 79 - Long Sequence Waveform Trial#30 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	68.4	14	1919.0	-	0.534243
2	1	52.7	9	-	-	1.266011
3	2	78.4	13	1872.0	-	1.464262
4	2	91.4	12	1763.0	-	2.259385
5	1	77.3	7	-	-	3.007791
6	3	76.1	10	1082.0	1880.0	3.362054
7	3	81.2	10	1794.0	1531.0	4.598037
8	3	68.3	8	1566.0	1214.0	5.037233
9	2	73.7	20	1878.0	-	5.637156
10	2	55.2	17	1009.0	-	6.105646
11	2	75.0	19	1861.0	-	7.014997
12	2	76.8	17	1586.0	-	7.405570
13	1	53.1	18	-	-	8.180390

Table 79 - Long Sequence Waveform Trial#30 (Detected) AP_20MHz_Radiated						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
14	2	97.4	7	1094.0	-	8.672185
15	2	55.8	9	1420.0	-	9.711746
16	3	92.7	12	1514.0	1122.0	10.310942
17	2	89.3	8	1336.0	-	10.703367
18	2	72.8	11	1218.0	-	11.441124

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5557.0MHz, -64.0dBm	Hop sequence: 5633, 5681, 5350, 5308, 5488, 5262, 5266, 5320, 5661, 5328, 5610, 5341, 5361, 5597, 5693, 5636, 5639, 5538, 5585, 5714, 5409, 5339, 5306, 5302, 5591, 5584, 5578, 5363, 5278, 5290, 5617, 5426, 5646, 5437, 5705, 5527, 5487, 5333, 5510, 5651, 5600, 5526, 5444, 5716, 5495, 5479, 5474, 5654, 5455, 5392, 5629, 5292, 5415, 5569, 5628, 5359, 5684, 5599, 5644, 5718, 5720, 5319, 5323, 5283, 5658, 5375, 5711, 5269, 5552, 5259, 5470, 5562, 5570, 5417, 5374, 5499, 5348, 5295, 5268, 5441, 5452, 5623, 5659, 5576, 5294, 5431, 5255, 5285, 5673, 5367, 5563, 5425, 5626, 5377, 5296, 5276, 5349, 5579, 5522, 5383 (1 hits) (07/29/2013 01:59:45 PM)
2	9	1.0	333.0	Yes	5558.0MHz, -64.0dBm	Hop sequence: 5309, 5719, 5343, 5354, 5295, 5324, 5646, 5492, 5391, 5661, 5707, 5701, 5442, 5706, 5325, 5363, 5557, 5668, 5416, 5407, 5470, 5440, 5424, 5454, 5640, 5642, 5367, 5333, 5307, 5499, 5421, 5608, 5614, 5629, 5271, 5715, 5443, 5380, 5376, 5592, 5536, 5575, 5691, 5455, 5550, 5660, 5562, 5722, 5573, 5704, 5366, 5467, 5636, 5387, 5667, 5297, 5510, 5579, 5336, 5417, 5429, 5370, 5696, 5705, 5373, 5337, 5618, 5472, 5594, 5485, 5377, 5717, 5616, 5681, 5256, 5314, 5448, 5582, 5308, 5710, 5571, 5291, 5529, 5431, 5526, 5634, 5542, 5266, 5276, 5658, 5565, 5425, 5611, 5569, 5326, 5312, 5384, 5348, 5369, 5364 (3 hits) (07/29/2013 02:02:16 PM)

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5542.0MHz, -64.0dBm	Hop sequence: 5307, 5275, 5279, 5274, 5483, 5633, 5457, 5602, 5612, 5272, 5396, 5419, 5449, 5560, 5713, 5320, 5383, 5643, 5446, 5253, 5671, 5301, 5563, 5288, 5513, 5724, 5715, 5698, 5268, 5514, 5263, 5624, 5682, 5478, 5375, 5394, 5362, 5398, 5663, 5576, 5330, 5405, 5290, 5411, 5363, 5282, 5500, 5305, 5623, 5533, 5725, 5595, 5443, 5425, 5448, 5385, 5490, 5609, 5584, 5628, 5355, 5540, 5701, 5539, 5702, 5703, 5550, 5677, 5315, 5339, 5537, 5292, 5506, 5632, 5389, 5408, 5471, 5415, 5549, 5638, 5723, 5424, 5509, 5556, 5694, 5571, 5706, 5294, 5678, 5444, 5720, 5304, 5322, 5658, 5660, 5662, 5352, 5416, 5661, 5599 (3 hits) (07/29/2013 02:03:26 PM)
4	9	1.0	333.0	Yes	5543.0MHz, -64.0dBm	Hop sequence: 5537, 5593, 5300, 5390, 5609, 5571, 5659, 5269, 5465, 5505, 5372, 5614, 5712, 5385, 5363, 5416, 5641, 5364, 5661, 5469, 5615, 5669, 5629, 5549, 5250, 5667, 5573, 5452, 5526, 5359, 5660, 5705, 5299, 5707, 5563, 5418, 5355, 5487, 5688, 5448, 5252, 5716, 5419, 5375, 5541, 5320, 5267, 5699, 5367, 5554, 5437, 5627, 5662, 5532, 5283, 5308, 5403, 5298, 5525, 5378, 5553, 5445, 5400, 5604, 5433, 5679, 5693, 5646, 5634, 5257, 5677, 5492, 5550, 5586, 5683, 5587, 5488, 5496, 5467, 5610, 5435, 5444, 5561, 5397, 5432, 5350, 5529, 5439, 5535, 5457, 5288, 5251, 5262, 5353, 5377, 5618, 5401, 5454, 5657, 5341 (4 hits) (07/29/2013 02:04:35 PM)
5	9	1.0	333.0	Yes	5544.0MHz, -64.0dBm	Hop sequence: 5446, 5658, 5636, 5583, 5304, 5705, 5622, 5725, 5547, 5714, 5313, 5699, 5512, 5338, 5674, 5278, 5569, 5595, 5458, 5417, 5362, 5653, 5683, 5666, 5346, 5482, 5326, 5454, 5723, 5704, 5461, 5508, 5570, 5463, 5498, 5473, 5553, 5604, 5656, 5502, 5518, 5334, 5581, 5491, 5606, 5360, 5281, 5426, 5598, 5340, 5331, 5568, 5306,

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5438, 5609, 5460, 5381, 5651, 5565, 5261, 5543, 5689, 5514, 5679, 5634, 5447, 5530, 5277, 5499, 5680, 5484, 5388, 5648, 5357, 5366, 5314, 5324, 5435, 5621, 5400, 5650, 5393, 5465, 5712, 5577, 5386, 5661, 5721, 5293, 5623, 5312, 5497, 5412, 5280, 5398, 5605, 5303, 5526, 5478, 5688 (3 hits) (07/29/2013 02:05:55 PM)
6	9	1.0	333.0	Yes	5545.0MHz, -64.0dBm	Hop sequence: 5371, 5691, 5490, 5372, 5584, 5459, 5450, 5468, 5520, 5646, 5719, 5547, 5426, 5635, 5694, 5357, 5507, 5411, 5353, 5319, 5375, 5680, 5548, 5563, 5499, 5475, 5351, 5428, 5581, 5524, 5655, 5396, 5456, 5279, 5369, 5299, 5386, 5313, 5442, 5686, 5523, 5318, 5387, 5302, 5400, 5341, 5684, 5282, 5628, 5413, 5277, 5297, 5526, 5276, 5578, 5325, 5274, 5506, 5663, 5281, 5472, 5365, 5640, 5674, 5437, 5389, 5608, 5482, 5575, 5632, 5539, 5607, 5498, 5416, 5712, 5610, 5314, 5409, 5504, 5620, 5564, 5496, 5398, 5631, 5463, 5558, 5606, 5623, 5391, 5670, 5261, 5678, 5339, 5275, 5433, 5473, 5491, 5306, 5698, 5287 (3 hits) (07/29/2013 02:06:58 PM)
7	9	1.0	333.0	Yes	5546.0MHz, -64.0dBm	Hop sequence: 5409, 5540, 5421, 5508, 5648, 5350, 5700, 5527, 5286, 5328, 5613, 5403, 5453, 5669, 5445, 5288, 5257, 5298, 5652, 5258, 5455, 5574, 5703, 5425, 5483, 5426, 5440, 5660, 5423, 5497, 5501, 5297, 5616, 5578, 5555, 5597, 5524, 5580, 5496, 5522, 5491, 5468, 5704, 5665, 5545, 5477, 5563, 5523, 5367, 5454, 5333, 5385, 5472, 5300, 5436, 5431, 5383, 5253, 5589, 5724, 5325, 5673, 5686, 5678, 5561, 5683, 5269, 5661, 5418, 5544, 5721, 5305, 5609, 5390, 5539, 5674, 5434, 5713, 5372, 5283, 5582, 5603, 5462, 5583, 5529, 5552, 5287, 5506, 5487, 5560, 5586, 5498, 5265, 5726, 5396, 5461, 5263, 5467, 5682, 5327 (4 hits) (07/29/2013 02:08:16 PM)

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	9	1.0	333.0	Yes	5547.0MHz, -64.0dBm	Hop sequence: 5430, 5285, 5591, 5568, 5410, 5337, 5336, 5636, 5260, 5253, 5476, 5524, 5274, 5513, 5291, 5377, 5350, 5575, 5459, 5256, 5710, 5278, 5385, 5679, 5585, 5660, 5315, 5310, 5365, 5486, 5690, 5546, 5537, 5370, 5482, 5622, 5700, 5528, 5474, 5654, 5544, 5427, 5394, 5374, 5409, 5523, 5688, 5704, 5432, 5506, 5296, 5714, 5535, 5407, 5325, 5485, 5715, 5451, 5596, 5611, 5533, 5635, 5725, 5549, 5610, 5347, 5466, 5536, 5252, 5264, 5392, 5299, 5620, 5452, 5423, 5426, 5574, 5615, 5702, 5413, 5693, 5512, 5653, 5646, 5724, 5366, 5441, 5588, 5425, 5541, 5447, 5531, 5303, 5618, 5645, 5263, 5497, 5258, 5609, 5436 (3 hits) (07/29/2013 02:09:43 PM)
9	9	1.0	333.0	Yes	5548.0MHz, -64.0dBm	Hop sequence: 5680, 5354, 5534, 5333, 5725, 5361, 5578, 5329, 5648, 5383, 5558, 5340, 5548, 5667, 5647, 5419, 5598, 5543, 5266, 5262, 5712, 5571, 5601, 5623, 5511, 5498, 5409, 5426, 5382, 5642, 5675, 5338, 5495, 5299, 5323, 5322, 5325, 5439, 5622, 5380, 5273, 5516, 5486, 5621, 5512, 5500, 5368, 5425, 5412, 5288, 5575, 5289, 5339, 5546, 5528, 5284, 5544, 5644, 5668, 5602, 5581, 5576, 5252, 5515, 5257, 5650, 5653, 5722, 5478, 5633, 5719, 5637, 5673, 5369, 5255, 5311, 5707, 5455, 5331, 5312, 5414, 5256, 5351, 5393, 5272, 5670, 5357, 5661, 5265, 5386, 5541, 5434, 5551, 5607, 5683, 5326, 5537, 5408, 5560, 5397 (6 hits) (07/29/2013 02:11:07 PM)
10	9	1.0	333.0	Yes	5549.0MHz, -64.0dBm	Hop sequence: 5266, 5612, 5481, 5713, 5315, 5704, 5330, 5587, 5702, 5382, 5563, 5722, 5358, 5682, 5278, 5349, 5317, 5516, 5623, 5619, 5470, 5492, 5327, 5652, 5396, 5263, 5491, 5708, 5259, 5618, 5398, 5649, 5495, 5700, 5505, 5597, 5479, 5542, 5615, 5585, 5721, 5548, 5578, 5323, 5533, 5385, 5689, 5484, 5251, 5507, 5646, 5487, 5613,

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5630, 5321, 5617, 5483, 5449, 5416, 5644, 5544, 5547, 5498, 5318, 5294, 5311, 5367, 5664, 5381, 5710, 5308, 5346, 5625, 5437, 5531, 5573, 5430, 5463, 5363, 5577, 5265, 5614, 5293, 5506, 5296, 5515, 5300, 5281, 5583, 5641, 5471, 5316, 5421, 5566, 5424, 5640, 5304, 5301, 5273, 5568 (4 hits) (07/29/2013 02:12:29 PM)
11	9	1.0	333.0	No	5550.0MHz, -64.0dBm	Hop sequence: 5298, 5250, 5635, 5634, 5466, 5479, 5396, 5591, 5439, 5345, 5508, 5636, 5694, 5671, 5253, 5438, 5364, 5717, 5318, 5424, 5451, 5296, 5465, 5332, 5581, 5568, 5471, 5338, 5705, 5275, 5308, 5498, 5408, 5477, 5584, 5687, 5463, 5460, 5719, 5659, 5274, 5611, 5573, 5662, 5363, 5475, 5464, 5425, 5706, 5507, 5610, 5570, 5349, 5721, 5346, 5324, 5319, 5373, 5521, 5302, 5454, 5668, 5447, 5481, 5472, 5487, 5579, 5450, 5462, 5293, 5516, 5723, 5526, 5301, 5515, 5383, 5692, 5587, 5540, 5589, 5514, 5440, 5606, 5263, 5693, 5331, 5259, 5317, 5602, 5679, 5646, 5647, 5509, 5640, 5310, 5583, 5437, 5501, 5718, 5550 (1 hits) (07/29/2013 02:13:42 PM)
12	9	1.0	333.0	Yes	5551.0MHz, -64.0dBm	Hop sequence: 5314, 5410, 5272, 5261, 5659, 5452, 5394, 5269, 5649, 5532, 5496, 5673, 5504, 5590, 5675, 5252, 5354, 5634, 5555, 5414, 5562, 5336, 5259, 5478, 5692, 5527, 5476, 5672, 5411, 5447, 5359, 5369, 5388, 5582, 5501, 5290, 5275, 5305, 5702, 5443, 5552, 5418, 5298, 5653, 5427, 5294, 5262, 5620, 5254, 5382, 5438, 5274, 5547, 5312, 5473, 5470, 5608, 5674, 5446, 5654, 5700, 5286, 5326, 5349, 5624, 5607, 5477, 5600, 5637, 5471, 5453, 5622, 5614, 5451, 5705, 5379, 5563, 5639, 5355, 5467, 5458, 5387, 5699, 5707, 5260, 5280, 5352, 5450, 5343, 5335, 5633, 5711, 5347, 5279, 5513, 5288, 5724, 5586, 5529, 5396 (3 hits) (07/29/2013 02:13:54 PM)

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5552.0MHz, -64.0dBm	Hop sequence: 5503, 5470, 5670, 5439, 5356, 5573, 5560, 5559, 5515, 5435, 5473, 5453, 5454, 5297, 5566, 5582, 5669, 5554, 5276, 5552, 5477, 5367, 5711, 5565, 5307, 5648, 5376, 5375, 5614, 5526, 5594, 5675, 5395, 5605, 5639, 5502, 5606, 5510, 5325, 5583, 5387, 5555, 5579, 5478, 5283, 5685, 5327, 5335, 5703, 5403, 5705, 5420, 5576, 5535, 5660, 5592, 5295, 5320, 5704, 5463, 5318, 5545, 5542, 5553, 5430, 5516, 5337, 5434, 5441, 5625, 5404, 5600, 5486, 5725, 5671, 5531, 5538, 5448, 5408, 5253, 5433, 5462, 5509, 5468, 5720, 5628, 5306, 5442, 5290, 5349, 5401, 5461, 5257, 5328, 5698, 5452, 5623, 5716, 5569, 5702 (6 hits) (07/29/2013 02:15:06 PM)
14	9	1.0	333.0	Yes	5553.0MHz, -64.0dBm	Hop sequence: 5431, 5514, 5572, 5340, 5562, 5584, 5383, 5671, 5271, 5571, 5259, 5276, 5258, 5637, 5582, 5269, 5346, 5660, 5626, 5593, 5399, 5369, 5666, 5503, 5706, 5652, 5542, 5612, 5587, 5334, 5704, 5651, 5348, 5581, 5710, 5669, 5464, 5590, 5522, 5306, 5338, 5471, 5628, 5524, 5456, 5354, 5419, 5699, 5650, 5692, 5255, 5290, 5438, 5375, 5523, 5689, 5607, 5547, 5408, 5316, 5498, 5632, 5350, 5277, 5609, 5544, 5642, 5557, 5693, 5292, 5344, 5680, 5265, 5409, 5630, 5396, 5623, 5371, 5585, 5596, 5481, 5565, 5654, 5360, 5401, 5537, 5307, 5434, 5655, 5564, 5386, 5332, 5380, 5273, 5437, 5695, 5633, 5262, 5525, 5428 (4 hits) (07/29/2013 02:16:30 PM)
15	9	1.0	333.0	Yes	5554.0MHz, -64.0dBm	Hop sequence: 5407, 5599, 5498, 5629, 5290, 5428, 5419, 5551, 5579, 5684, 5286, 5258, 5378, 5639, 5330, 5444, 5393, 5614, 5549, 5526, 5531, 5581, 5710, 5680, 5400, 5389, 5380, 5686, 5492, 5520, 5674, 5281, 5449, 5692, 5603, 5636, 5347, 5662, 5423, 5412, 5420, 5650, 5318, 5295, 5707, 5265, 5316, 5509, 5470, 5687, 5708, 5505, 5658,

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5279, 5529, 5373, 5371, 5659, 5278, 5553, 5723, 5446, 5294, 5718, 5268, 5277, 5319, 5602, 5583, 5548, 5267, 5306, 5374, 5572, 5352, 5592, 5395, 5254, 5369, 5361, 5724, 5586, 5641, 5346, 5469, 5611, 5326, 5328, 5487, 5693, 5544, 5709, 5545, 5628, 5414, 5462, 5343, 5677, 5712, 5429 (6 hits) (07/29/2013 02:17:24 PM)
16	9	1.0	333.0	Yes	5555.0MHz, -64.0dBm	Hop sequence: 5251, 5390, 5393, 5671, 5534, 5683, 5382, 5642, 5602, 5507, 5563, 5276, 5494, 5477, 5412, 5569, 5680, 5458, 5475, 5461, 5600, 5409, 5346, 5260, 5691, 5254, 5401, 5432, 5307, 5367, 5705, 5706, 5353, 5497, 5604, 5648, 5453, 5433, 5553, 5323, 5443, 5561, 5363, 5380, 5677, 5557, 5416, 5425, 5608, 5442, 5655, 5581, 5531, 5621, 5556, 5366, 5721, 5376, 5678, 5513, 5690, 5360, 5256, 5487, 5339, 5478, 5281, 5282, 5699, 5297, 5529, 5349, 5549, 5479, 5565, 5698, 5644, 5325, 5266, 5559, 5279, 5668, 5469, 5539, 5310, 5422, 5327, 5590, 5586, 5709, 5350, 5330, 5373, 5708, 5267, 5681, 5623, 5455, 5319, 5722 (4 hits) (07/29/2013 02:18:31 PM)
17	9	1.0	333.0	Yes	5556.0MHz, -64.0dBm	Hop sequence: 5290, 5630, 5410, 5697, 5413, 5325, 5645, 5635, 5583, 5315, 5356, 5636, 5495, 5662, 5601, 5499, 5396, 5663, 5426, 5618, 5258, 5309, 5665, 5703, 5265, 5477, 5328, 5510, 5532, 5404, 5472, 5310, 5424, 5613, 5541, 5474, 5504, 5463, 5459, 5689, 5620, 5266, 5584, 5492, 5269, 5445, 5391, 5313, 5713, 5641, 5384, 5603, 5710, 5345, 5624, 5615, 5674, 5486, 5555, 5354, 5427, 5655, 5523, 5374, 5375, 5698, 5314, 5575, 5257, 5271, 5362, 5684, 5316, 5372, 5342, 5721, 5429, 5357, 5521, 5640, 5460, 5628, 5264, 5406, 5650, 5282, 5507, 5720, 5712, 5466, 5693, 5428, 5548, 5602, 5702, 5536, 5343, 5447, 5378, 5634 (2 hits) (07/29/2013 02:19:45 PM)

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
18	9	1.0	333.0	Yes	5557.0MHz, -64.0dBm	Hop sequence: 5491, 5594, 5423, 5355, 5435, 5667, 5589, 5360, 5529, 5613, 5349, 5390, 5415, 5436, 5597, 5525, 5332, 5680, 5475, 5330, 5726, 5456, 5370, 5418, 5324, 5388, 5274, 5476, 5615, 5252, 5310, 5365, 5354, 5517, 5585, 5553, 5453, 5495, 5698, 5326, 5353, 5425, 5605, 5386, 5262, 5439, 5696, 5701, 5708, 5684, 5631, 5409, 5522, 5278, 5382, 5393, 5459, 5508, 5466, 5272, 5329, 5641, 5691, 5494, 5697, 5315, 5700, 5661, 5633, 5578, 5478, 5325, 5429, 5300, 5336, 5321, 5432, 5504, 5450, 5557, 5548, 5414, 5520, 5559, 5281, 5564, 5482, 5552, 5358, 5644, 5465, 5492, 5598, 5554, 5523, 5682, 5383, 5455, 5622, 5672 (5 hits) (07/29/2013 02:20:51 PM)
19	9	1.0	333.0	Yes	5558.0MHz, -64.0dBm	Hop sequence: 5709, 5510, 5618, 5686, 5339, 5454, 5449, 5386, 5393, 5529, 5442, 5321, 5278, 5663, 5532, 5701, 5622, 5544, 5541, 5338, 5556, 5285, 5540, 5688, 5392, 5539, 5302, 5412, 5483, 5517, 5494, 5358, 5435, 5492, 5538, 5707, 5270, 5699, 5646, 5429, 5355, 5421, 5341, 5525, 5404, 5323, 5722, 5654, 5433, 5472, 5271, 5280, 5500, 5598, 5411, 5479, 5352, 5712, 5490, 5294, 5632, 5342, 5474, 5561, 5645, 5417, 5574, 5508, 5291, 5387, 5528, 5272, 5678, 5406, 5390, 5366, 5644, 5400, 5669, 5467, 5456, 5327, 5334, 5298, 5680, 5250, 5553, 5601, 5522, 5478, 5713, 5326, 5512, 5726, 5279, 5405, 5457, 5252, 5466, 5613 (3 hits) (07/29/2013 02:22:04 PM)
20	9	1.0	333.0	Yes	5542.0MHz, -64.0dBm	Hop sequence: 5372, 5551, 5440, 5529, 5252, 5695, 5296, 5607, 5570, 5422, 5675, 5575, 5283, 5485, 5403, 5404, 5686, 5305, 5339, 5693, 5639, 5472, 5679, 5623, 5517, 5259, 5653, 5438, 5581, 5391, 5398, 5646, 5426, 5605, 5301, 5660, 5610, 5484, 5262, 5497, 5580, 5634, 5261, 5476, 5303, 5564, 5583, 5282, 5670, 5618, 5622, 5699, 5467,

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5722, 5632, 5269, 5444, 5617, 5718, 5556, 5350, 5524, 5519, 5509, 5621, 5668, 5678, 5399, 5432, 5725, 5362, 5419, 5365, 5532, 5433, 5528, 5414, 5326, 5352, 5455, 5685, 5627, 5337, 5449, 5370, 5395, 5495, 5342, 5389, 5258, 5462, 5603, 5374, 5635, 5320, 5599, 5387, 5400, 5354, 5256 (2 hits) (07/29/2013 02:23:28 PM)
21	9	1.0	333.0	Yes	5543.0MHz, -64.0dBm	Hop sequence: 5504, 5442, 5513, 5659, 5711, 5591, 5589, 5452, 5458, 5718, 5434, 5632, 5473, 5451, 5719, 5690, 5459, 5619, 5290, 5538, 5710, 5660, 5493, 5618, 5545, 5465, 5386, 5629, 5583, 5382, 5703, 5482, 5526, 5331, 5295, 5277, 5354, 5418, 5501, 5522, 5643, 5664, 5476, 5449, 5489, 5571, 5649, 5668, 5359, 5483, 5285, 5684, 5469, 5485, 5631, 5412, 5431, 5612, 5667, 5330, 5392, 5499, 5634, 5417, 5570, 5528, 5627, 5389, 5375, 5486, 5637, 5698, 5460, 5462, 5391, 5644, 5360, 5507, 5292, 5448, 5358, 5335, 5699, 5447, 5596, 5264, 5303, 5682, 5297, 5349, 5520, 5274, 5437, 5461, 5319, 5353, 5511, 5328, 5474, 5463 (1 hits) (07/29/2013 02:24:24 PM)
22	9	1.0	333.0	Yes	5544.0MHz, -64.0dBm	Hop sequence: 5669, 5342, 5699, 5317, 5514, 5430, 5544, 5411, 5330, 5399, 5550, 5511, 5371, 5620, 5527, 5615, 5709, 5316, 5697, 5408, 5326, 5540, 5470, 5389, 5645, 5417, 5311, 5253, 5395, 5676, 5422, 5630, 5664, 5481, 5643, 5696, 5726, 5310, 5409, 5689, 5635, 5295, 5705, 5475, 5609, 5503, 5320, 5573, 5661, 5283, 5596, 5572, 5272, 5655, 5377, 5510, 5269, 5381, 5369, 5520, 5281, 5441, 5706, 5659, 5489, 5670, 5619, 5467, 5695, 5547, 5276, 5294, 5355, 5419, 5548, 5300, 5280, 5337, 5353, 5372, 5348, 5590, 5552, 5341, 5543, 5460, 5678, 5679, 5356, 5496, 5505, 5684, 5402, 5542, 5490, 5455, 5477, 5325, 5429, 5267 (7 hits) (07/29/2013 02:25:56 PM)

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5545.0MHz, -64.0dBm	Hop sequence: 5596, 5609, 5336, 5259, 5328, 5636, 5468, 5705, 5473, 5257, 5658, 5577, 5573, 5657, 5308, 5494, 5296, 5453, 5416, 5610, 5517, 5725, 5378, 5641, 5685, 5559, 5522, 5407, 5688, 5684, 5411, 5600, 5319, 5380, 5446, 5512, 5635, 5706, 5427, 5252, 5451, 5649, 5420, 5452, 5424, 5397, 5704, 5337, 5334, 5469, 5629, 5650, 5663, 5556, 5525, 5286, 5428, 5484, 5716, 5676, 5399, 5724, 5491, 5547, 5455, 5549, 5454, 5333, 5686, 5604, 5476, 5598, 5272, 5585, 5668, 5540, 5267, 5318, 5445, 5570, 5534, 5555, 5607, 5723, 5709, 5421, 5396, 5507, 5590, 5391, 5561, 5303, 5601, 5406, 5674, 5633, 5583, 5279, 5327, 5293 (4 hits) (07/29/2013 02:27:08 PM)
24	9	1.0	333.0	Yes	5546.0MHz, -64.0dBm	Hop sequence: 5281, 5516, 5407, 5723, 5273, 5705, 5519, 5376, 5406, 5503, 5696, 5517, 5420, 5633, 5632, 5630, 5493, 5469, 5291, 5525, 5548, 5427, 5631, 5377, 5501, 5269, 5423, 5297, 5686, 5613, 5592, 5466, 5378, 5365, 5480, 5476, 5622, 5306, 5403, 5707, 5717, 5706, 5385, 5430, 5669, 5380, 5496, 5665, 5500, 5290, 5583, 5698, 5513, 5432, 5428, 5561, 5419, 5512, 5687, 5449, 5489, 5462, 5316, 5507, 5576, 5495, 5570, 5678, 5356, 5724, 5324, 5465, 5374, 5650, 5463, 5572, 5652, 5531, 5526, 5360, 5456, 5367, 5643, 5267, 5657, 5680, 5627, 5282, 5562, 5286, 5581, 5624, 5596, 5661, 5461, 5429, 5610, 5564, 5535, 5266 (1 hits) (07/29/2013 02:28:15 PM)
25	9	1.0	333.0	Yes	5547.0MHz, -64.0dBm	Hop sequence: 5609, 5268, 5323, 5630, 5463, 5612, 5695, 5648, 5662, 5533, 5313, 5578, 5666, 5350, 5513, 5614, 5297, 5505, 5458, 5448, 5349, 5619, 5274, 5704, 5637, 5285, 5651, 5543, 5557, 5363, 5413, 5586, 5588, 5554, 5306, 5574, 5613, 5375, 5276, 5364, 5576, 5265, 5319, 5686, 5404, 5301, 5608, 5538, 5382, 5433, 5515, 5566, 5339,

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5650, 5371, 5717, 5490, 5401, 5351, 5280, 5644, 5527, 5469, 5498, 5491, 5589, 5611, 5536, 5365, 5716, 5530, 5615, 5373, 5494, 5675, 5522, 5518, 5334, 5423, 5480, 5539, 5502, 5553, 5596, 5598, 5684, 5471, 5703, 5294, 5379, 5524, 5352, 5326, 5400, 5273, 5446, 5283, 5369, 5403, 5387 (4 hits) (07/29/2013 02:29:16 PM)
26	9	1.0	333.0	Yes	5548.0MHz, -64.0dBm	Hop sequence: 5257, 5719, 5409, 5397, 5440, 5372, 5267, 5322, 5337, 5572, 5539, 5700, 5634, 5707, 5704, 5277, 5439, 5326, 5624, 5472, 5381, 5600, 5378, 5623, 5408, 5269, 5256, 5345, 5404, 5271, 5630, 5341, 5681, 5370, 5275, 5382, 5666, 5599, 5426, 5342, 5596, 5535, 5252, 5687, 5396, 5583, 5476, 5494, 5313, 5585, 5276, 5537, 5639, 5581, 5645, 5458, 5457, 5454, 5650, 5428, 5321, 5417, 5415, 5456, 5435, 5319, 5492, 5642, 5515, 5678, 5374, 5604, 5351, 5659, 5307, 5578, 5602, 5496, 5298, 5557, 5660, 5328, 5621, 5652, 5445, 5420, 5407, 5706, 5478, 5638, 5518, 5588, 5375, 5573, 5608, 5379, 5444, 5618, 5389, 5607 (1 hits) (07/29/2013 02:30:29 PM)
27	9	1.0	333.0	Yes	5549.0MHz, -64.0dBm	Hop sequence: 5345, 5284, 5488, 5565, 5320, 5484, 5683, 5540, 5700, 5419, 5273, 5562, 5614, 5665, 5624, 5463, 5389, 5414, 5342, 5554, 5577, 5613, 5534, 5709, 5630, 5574, 5309, 5471, 5627, 5274, 5430, 5429, 5417, 5357, 5494, 5585, 5362, 5536, 5326, 5361, 5418, 5404, 5644, 5450, 5341, 5437, 5466, 5697, 5646, 5713, 5653, 5719, 5428, 5516, 5363, 5319, 5541, 5276, 5706, 5659, 5299, 5558, 5716, 5642, 5660, 5432, 5667, 5256, 5572, 5348, 5310, 5251, 5615, 5344, 5514, 5493, 5298, 5586, 5498, 5259, 5340, 5477, 5553, 5332, 5692, 5507, 5411, 5599, 5272, 5517, 5423, 5470, 5547, 5641, 5701, 5643, 5480, 5280, 5350, 5416 (4 hits) (07/29/2013 02:31:35 PM)

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	9	1.0	333.0	Yes	5550.0MHz, -64.0dBm	Hop sequence: 5448, 5658, 5390, 5325, 5459, 5549, 5634, 5419, 5257, 5672, 5350, 5327, 5725, 5391, 5576, 5647, 5668, 5664, 5317, 5406, 5426, 5472, 5271, 5616, 5678, 5720, 5329, 5557, 5545, 5359, 5402, 5333, 5677, 5256, 5291, 5387, 5515, 5547, 5251, 5337, 5534, 5502, 5300, 5698, 5537, 5528, 5481, 5400, 5439, 5612, 5389, 5553, 5587, 5521, 5469, 5418, 5490, 5294, 5629, 5275, 5377, 5694, 5676, 5383, 5717, 5345, 5573, 5423, 5354, 5399, 5338, 5466, 5474, 5542, 5695, 5623, 5493, 5274, 5691, 5304, 5702, 5363, 5395, 5382, 5655, 5589, 5360, 5665, 5529, 5689, 5479, 5268, 5305, 5449, 5575, 5590, 5457, 5631, 5263, 5519 (6 hits) (07/29/2013 02:32:36 PM)
29	9	1.0	333.0	Yes	5551.0MHz, -64.0dBm	Hop sequence: 5692, 5363, 5465, 5479, 5725, 5559, 5486, 5533, 5347, 5399, 5641, 5303, 5388, 5391, 5281, 5346, 5580, 5395, 5417, 5512, 5574, 5532, 5390, 5687, 5343, 5473, 5571, 5476, 5256, 5323, 5507, 5298, 5673, 5336, 5292, 5516, 5400, 5624, 5715, 5564, 5338, 5287, 5515, 5445, 5699, 5587, 5675, 5356, 5341, 5362, 5688, 5505, 5448, 5612, 5297, 5697, 5668, 5633, 5589, 5579, 5536, 5573, 5657, 5632, 5331, 5320, 5550, 5301, 5299, 5631, 5645, 5544, 5577, 5584, 5315, 5549, 5710, 5511, 5265, 5458, 5524, 5665, 5353, 5623, 5502, 5726, 5264, 5294, 5368, 5709, 5613, 5427, 5670, 5276, 5560, 5411, 5671, 5654, 5674, 5372 (3 hits) (07/29/2013 02:35:21 PM)
30	9	1.0	333.0	Yes	5552.0MHz, -64.0dBm	Hop sequence: 5645, 5338, 5268, 5395, 5303, 5337, 5564, 5280, 5519, 5335, 5350, 5368, 5302, 5448, 5331, 5648, 5474, 5665, 5484, 5479, 5371, 5531, 5299, 5475, 5405, 5544, 5273, 5308, 5483, 5683, 5372, 5399, 5691, 5348, 5408, 5600, 5356, 5324, 5718, 5391, 5430, 5384, 5490, 5707, 5507, 5651, 5453, 5481, 5478, 5572, 5263, 5626, 5518,

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5604, 5307, 5378, 5472, 5485, 5340, 5525, 5471, 5596, 5379, 5279, 5656, 5454, 5576, 5522, 5313, 5563, 5602, 5620, 5360, 5725, 5438, 5386, 5693, 5270, 5416, 5567, 5619, 5615, 5417, 5459, 5330, 5509, 5675, 5632, 5446, 5316, 5556, 5560, 5669, 5631, 5292, 5329, 5711, 5715, 5477, 5553 (3 hits) (07/29/2013 02:36:22 PM)
31	9	1.0	333.0	Yes	5553.0MHz, -64.0dBm	Hop sequence: 5600, 5377, 5382, 5487, 5306, 5596, 5549, 5639, 5631, 5277, 5329, 5704, 5275, 5301, 5421, 5594, 5542, 5318, 5460, 5608, 5611, 5691, 5622, 5378, 5302, 5669, 5591, 5496, 5656, 5592, 5399, 5307, 5658, 5375, 5590, 5488, 5534, 5546, 5706, 5467, 5469, 5612, 5287, 5615, 5289, 5714, 5477, 5499, 5251, 5485, 5726, 5578, 5672, 5689, 5494, 5347, 5326, 5666, 5649, 5695, 5330, 5447, 5263, 5693, 5613, 5570, 5500, 5677, 5530, 5402, 5572, 5364, 5363, 5456, 5325, 5595, 5518, 5383, 5501, 5538, 5424, 5569, 5657, 5295, 5332, 5583, 5386, 5292, 5556, 5646, 5713, 5660, 5624, 5598, 5586, 5417, 5552, 5637, 5352, 5650 (5 hits) (07/29/2013 02:37:49 PM)
32	9	1.0	333.0	Yes	5554.0MHz, -64.0dBm	Hop sequence: 5634, 5406, 5699, 5724, 5535, 5610, 5328, 5719, 5479, 5463, 5462, 5638, 5492, 5628, 5281, 5704, 5418, 5362, 5368, 5701, 5565, 5569, 5583, 5303, 5533, 5703, 5380, 5507, 5698, 5359, 5276, 5496, 5260, 5602, 5470, 5384, 5511, 5432, 5562, 5611, 5439, 5264, 5278, 5386, 5708, 5632, 5267, 5579, 5665, 5570, 5295, 5593, 5320, 5677, 5523, 5274, 5446, 5494, 5474, 5444, 5430, 5706, 5481, 5349, 5350, 5721, 5676, 5682, 5696, 5289, 5551, 5331, 5572, 5615, 5356, 5316, 5339, 5342, 5587, 5613, 5449, 5486, 5291, 5488, 5559, 5549, 5423, 5529, 5358, 5438, 5568, 5454, 5319, 5270, 5271, 5458, 5414, 5348, 5641, 5684 (2 hits) (07/29/2013 02:38:53 PM)

Table 80 - FCC frequency hopping radar (Type 6) Results AP_20MHz_Radiated						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5555.0MHz, -64.0dBm	Hop sequence: 5723, 5332, 5329, 5592, 5552, 5367, 5627, 5280, 5287, 5515, 5631, 5351, 5433, 5252, 5691, 5468, 5660, 5333, 5681, 5604, 5384, 5692, 5547, 5593, 5666, 5489, 5323, 5267, 5496, 5616, 5282, 5519, 5279, 5703, 5623, 5346, 5704, 5560, 5577, 5483, 5722, 5537, 5671, 5533, 5269, 5504, 5524, 5686, 5277, 5700, 5348, 5531, 5550, 5713, 5465, 5618, 5638, 5714, 5270, 5309, 5711, 5688, 5412, 5424, 5308, 5718, 5416, 5633, 5451, 5506, 5570, 5614, 5563, 5319, 5356, 5474, 5352, 5326, 5634, 5499, 5579, 5669, 5382, 5274, 5276, 5374, 5603, 5349, 5419, 5719, 5590, 5268, 5350, 5664, 5258, 5580, 5261, 5645, 5516, 5612 (3 hits) (07/29/2013 02:40:17 PM)
34	9	1.0	333.0	Yes	5556.0MHz, -64.0dBm	Hop sequence: 5463, 5432, 5266, 5258, 5481, 5419, 5417, 5480, 5700, 5637, 5518, 5280, 5652, 5601, 5358, 5625, 5341, 5384, 5657, 5412, 5260, 5682, 5714, 5289, 5718, 5672, 5628, 5421, 5367, 5678, 5584, 5354, 5257, 5530, 5620, 5604, 5563, 5318, 5586, 5531, 5430, 5403, 5328, 5436, 5276, 5615, 5663, 5345, 5575, 5253, 5582, 5342, 5692, 5288, 5591, 5502, 5534, 5381, 5567, 5347, 5261, 5444, 5456, 5396, 5702, 5319, 5496, 5437, 5603, 5680, 5427, 5353, 5626, 5655, 5492, 5569, 5653, 5630, 5522, 5495, 5696, 5558, 5254, 5560, 5340, 5478, 5423, 5445, 5404, 5540, 5269, 5410, 5312, 5538, 5409, 5520, 5475, 5566, 5590, 5549 (2 hits) (07/29/2013 02:41:36 PM)

Appendix C Test Data Tables and Plots for Channel Closing

FCC PART 15 SUBPART E Channel Closing Measurements

Table 81 - FCC Part 15 Subpart E Channel Closing Test Results (Master Mode)					
Waveform Type	Channel Closing Transmission Time [1]		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	0 ms	60 ms	8 ms	10 s	Pass
Radar Type 5	0 ms	60 ms	0 ms	10 s	Pass

[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.

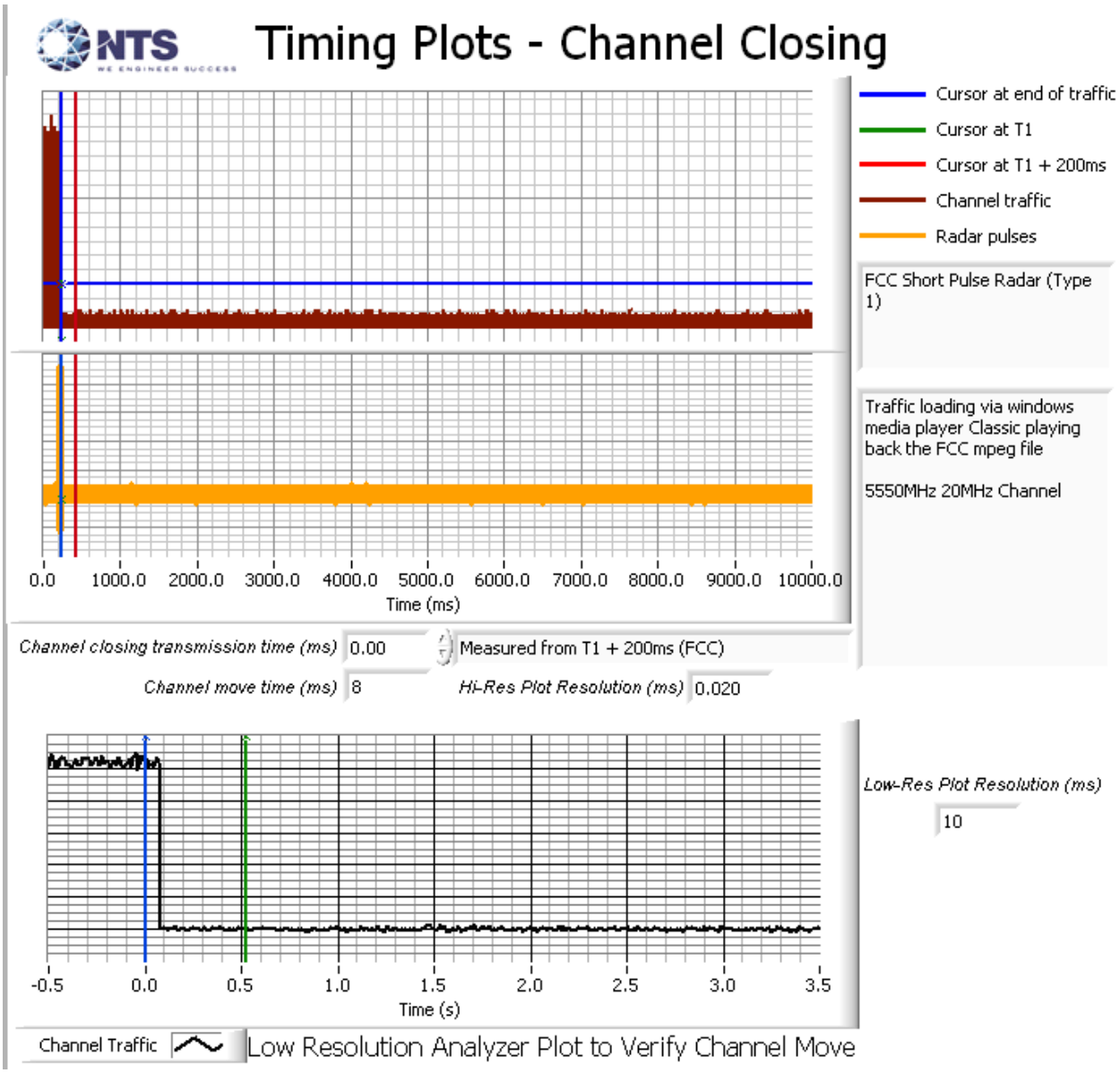


Figure 4 Channel Closing Time and Channel Move Time – 40 second plot, Type 1 (Master mode)

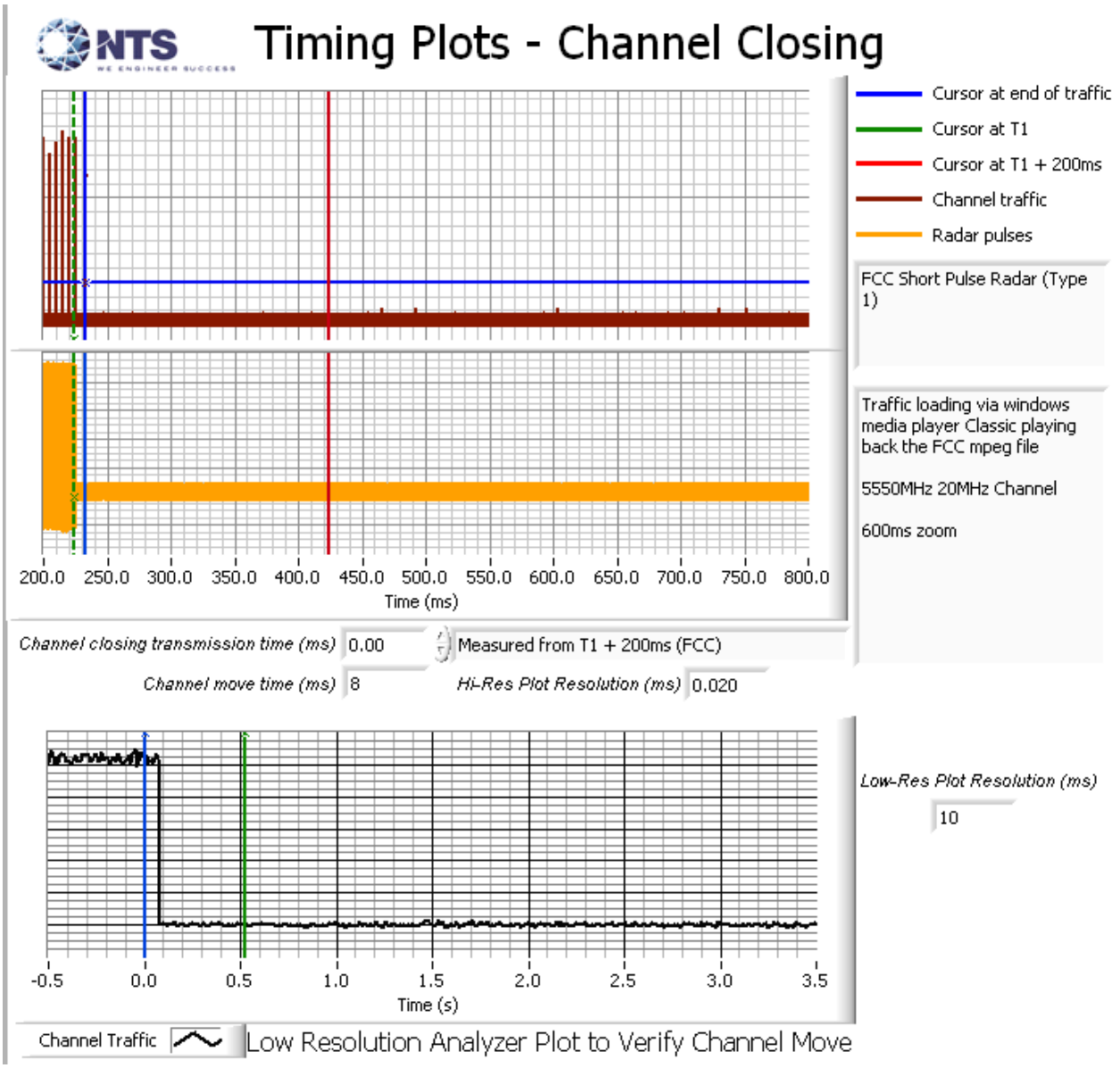


Figure 5 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, Type 1 (Master mode)

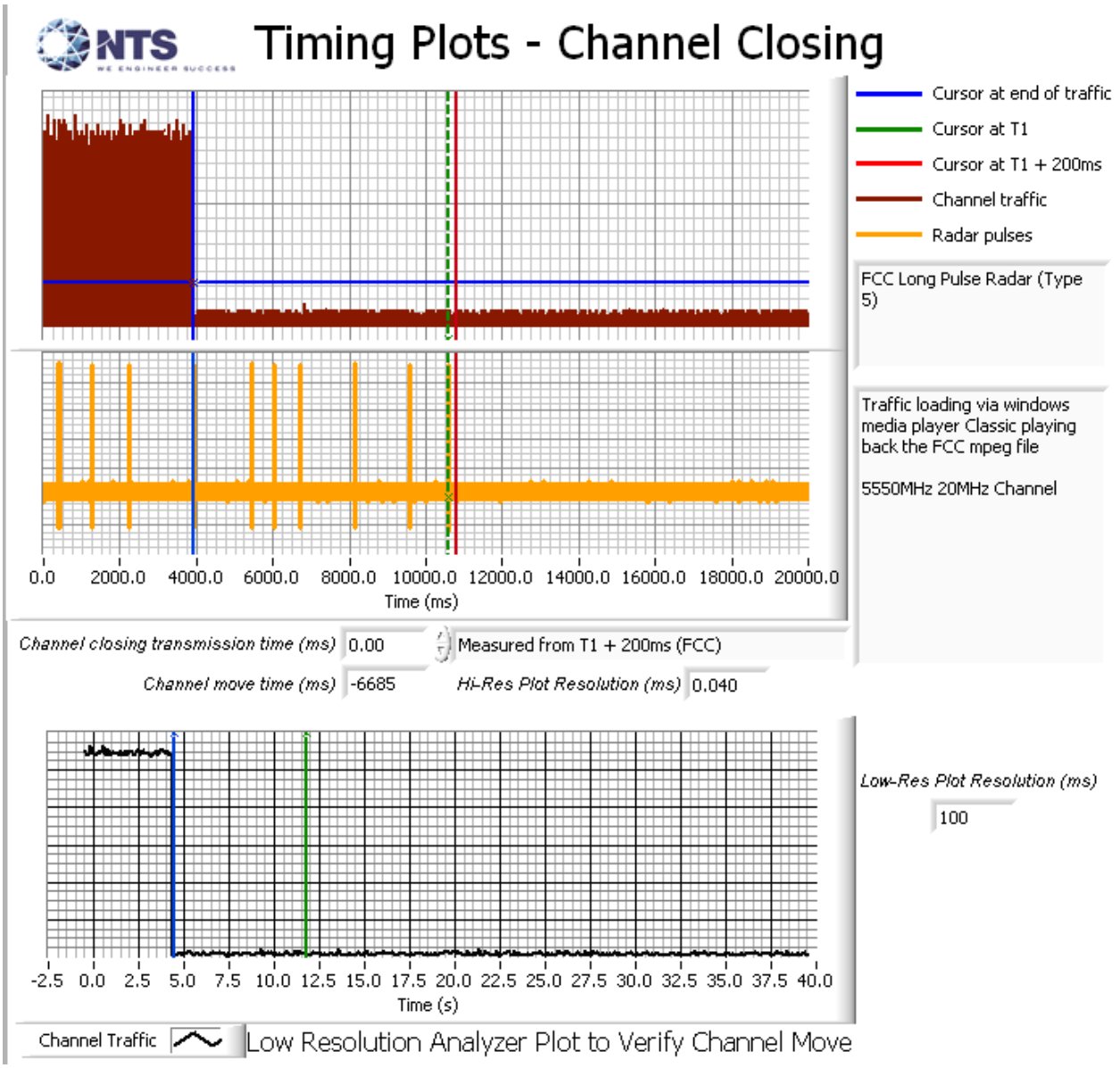


Figure 6 Channel Closing Time and Channel Move Time – 40 second plot. Type 5 (Master mode)

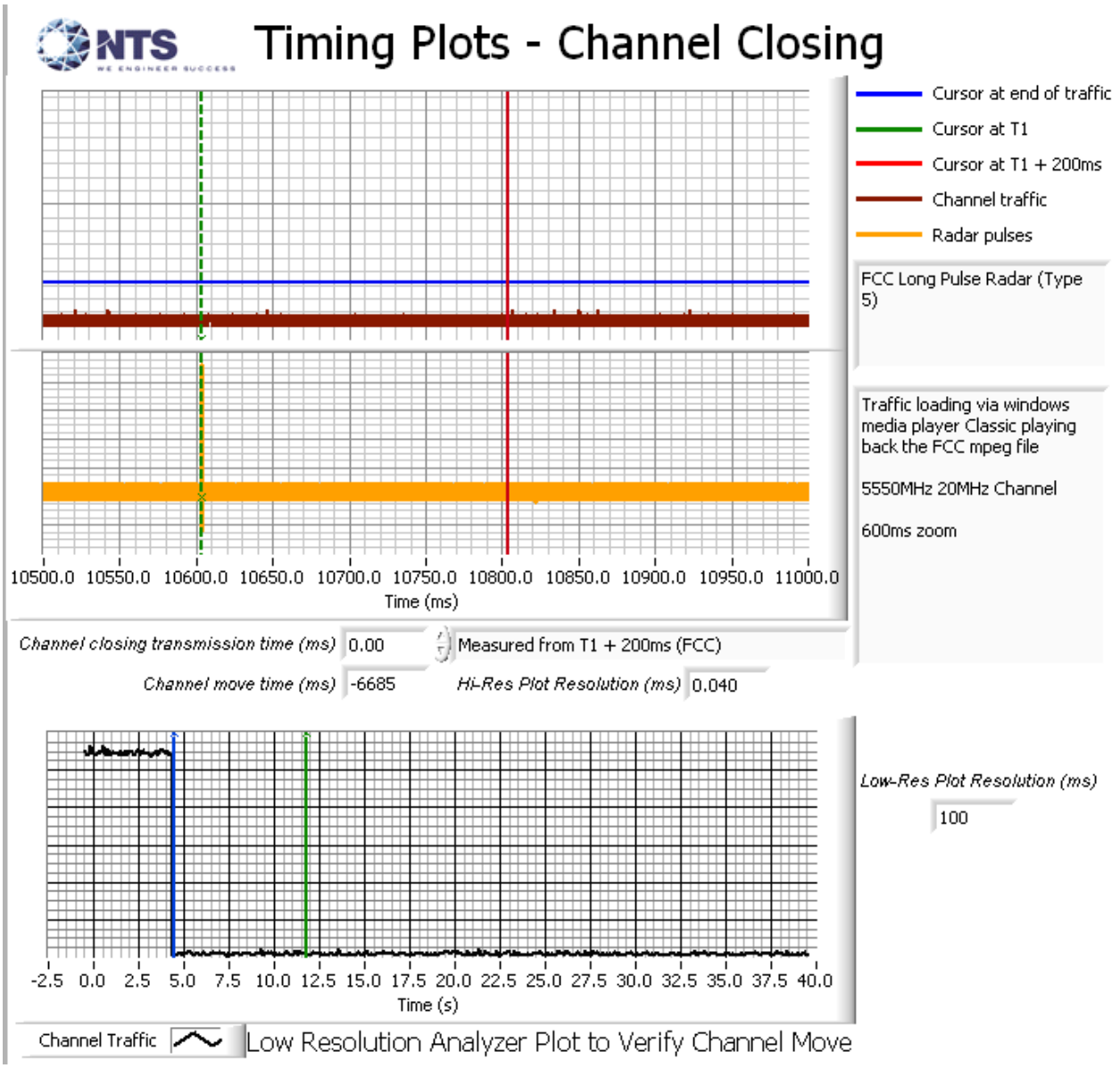


Figure 7 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, Type 5 (Master mode)

Table 82 - FCC Part 15 Subpart E Channel Closing Test Results (Slave Mode)					
Waveform Type	Channel Closing Transmission Time [1]		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	0 ms	60 ms	14 ms	10 s	Pass

[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.

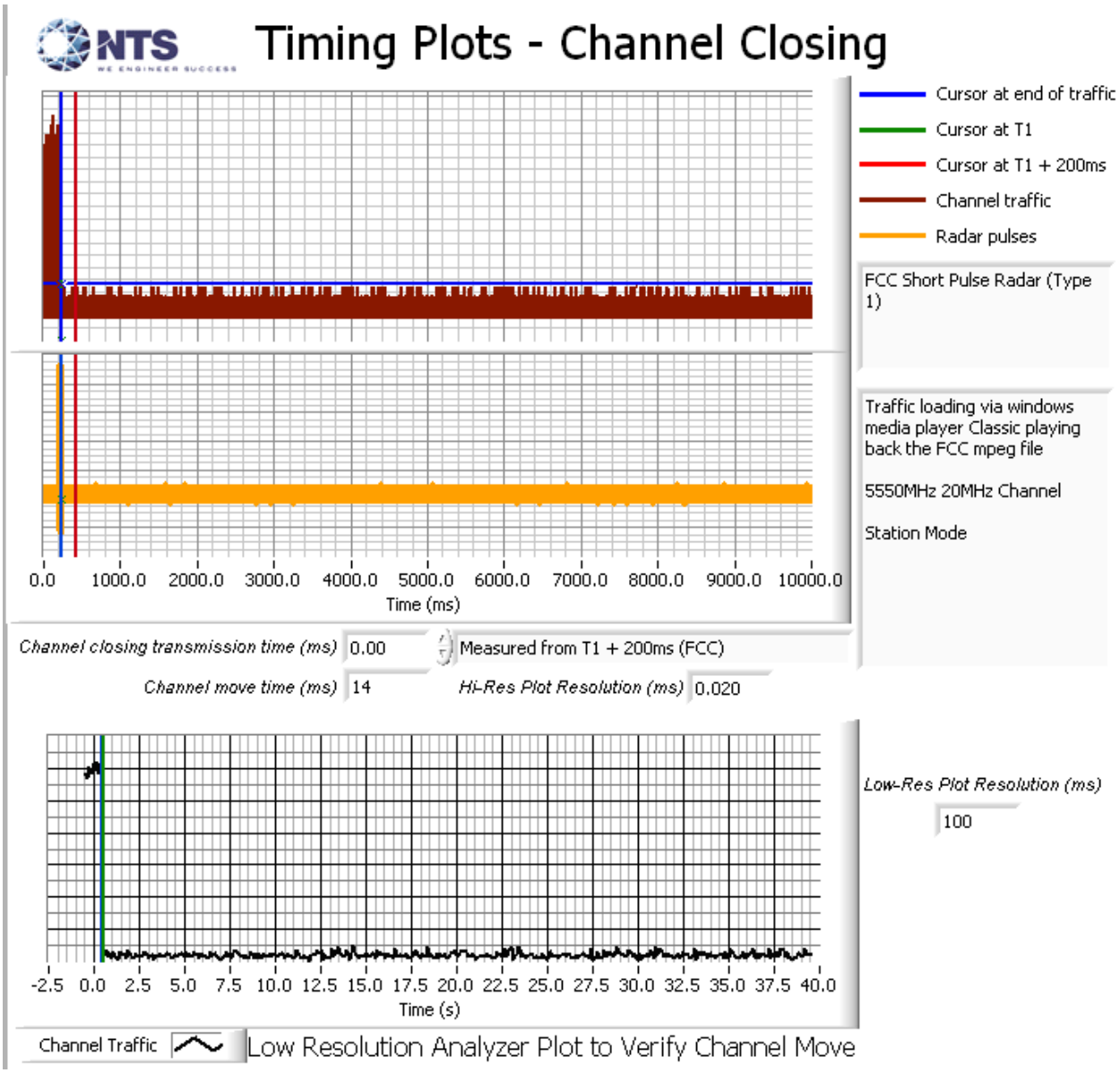


Figure 8 Channel Closing Time and Channel Move Time – 40 second plot, Type 1 (Slave Mode)

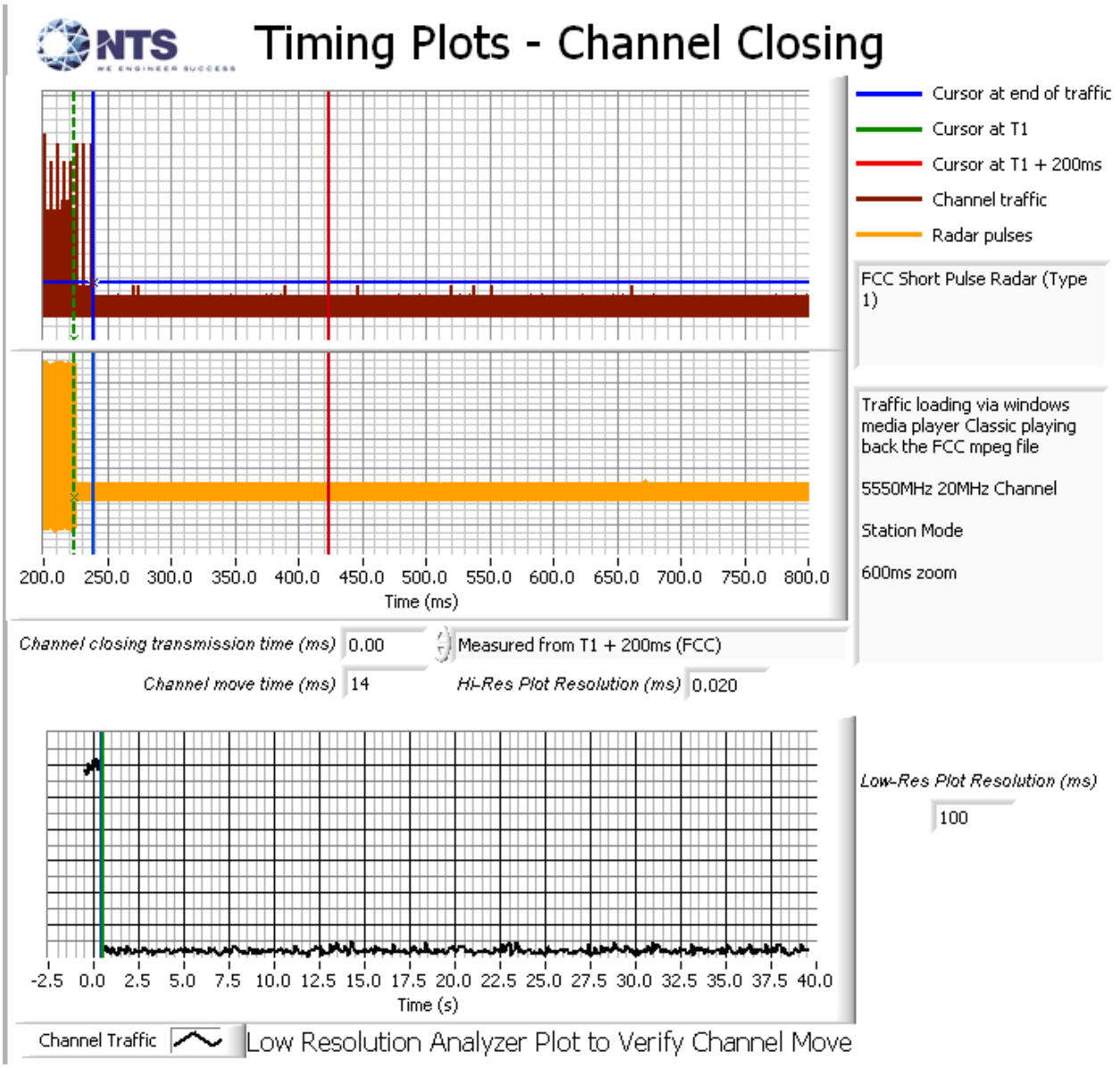


Figure 9 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, Type 1 (Slave Mode)

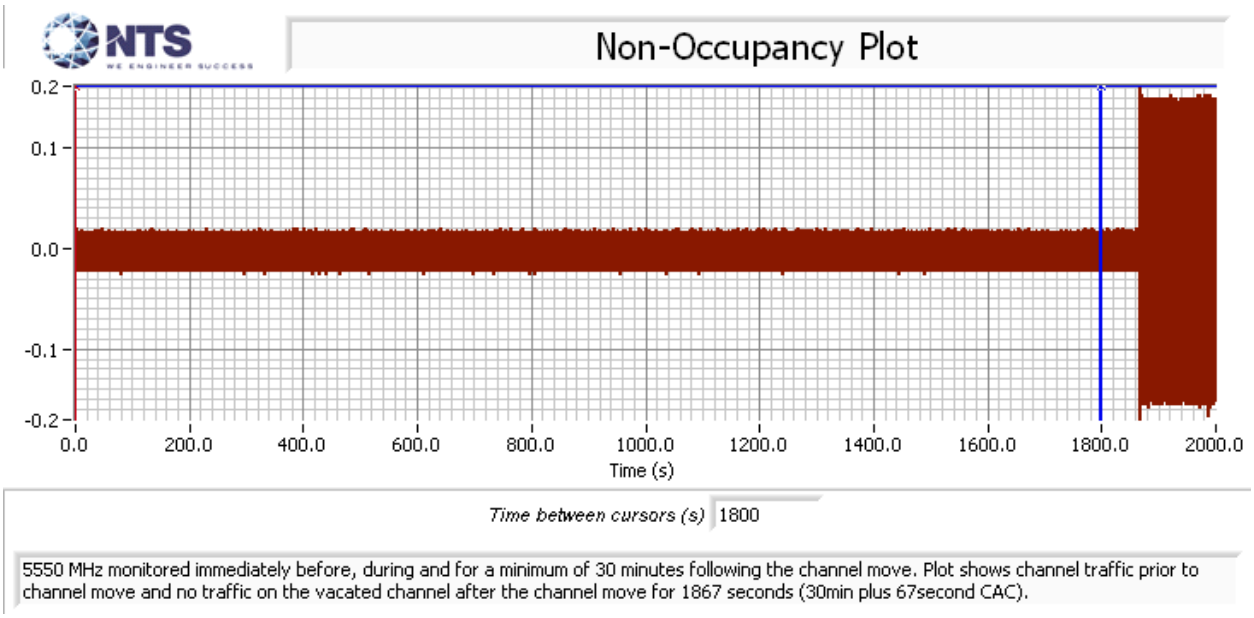


Figure 10 Radar Channel Non-Occupancy Plot (Master Mode)

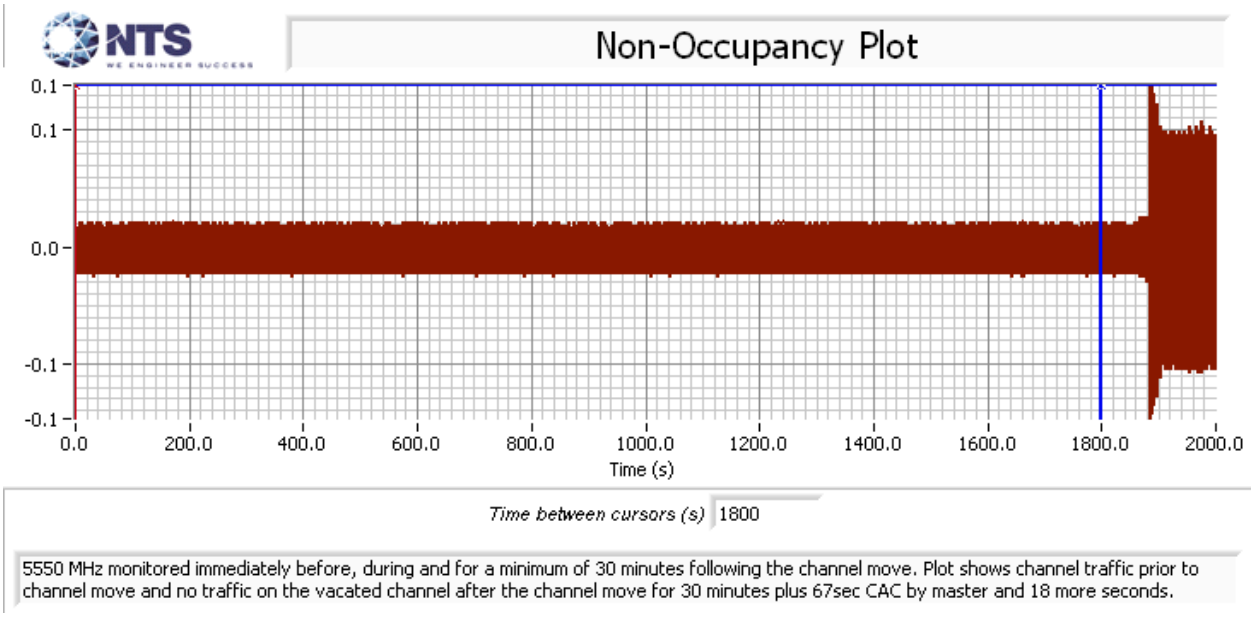


Figure 11 Radar Channel Non-Occupancy Plot (Slave Mode)

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 on the vacated channel after the channel move had been completed for 1867seconds, which includes thirty minute non-occupancy plus a 67 channel availability check.

After the channel move the client device stopped transmitting on the vacated channel.

Appendix D Test Data – Channel Availability Check

5250- 5350 MHz, 5470 – 5725 MHz

The first plot shows the first transmissions on a channel after restarting/power cycling the master device, with no radar applied during the CAC. The start of CAC is assumed to be 60 seconds before the first transmission as indicated by the green cursor line.

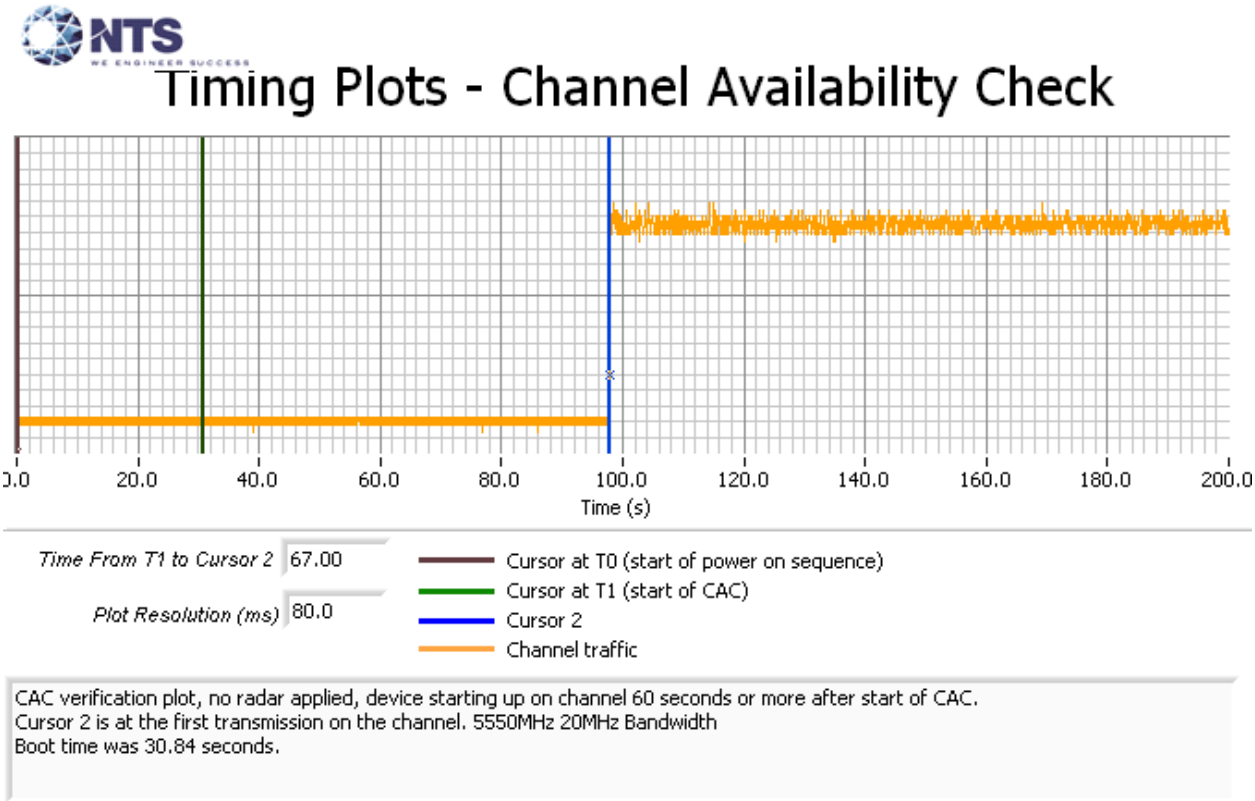


Figure 12 Plot of EUT Start-Up After CAC

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 -64dBm. Measurements were made on channel 110 (5550 MHz).

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

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

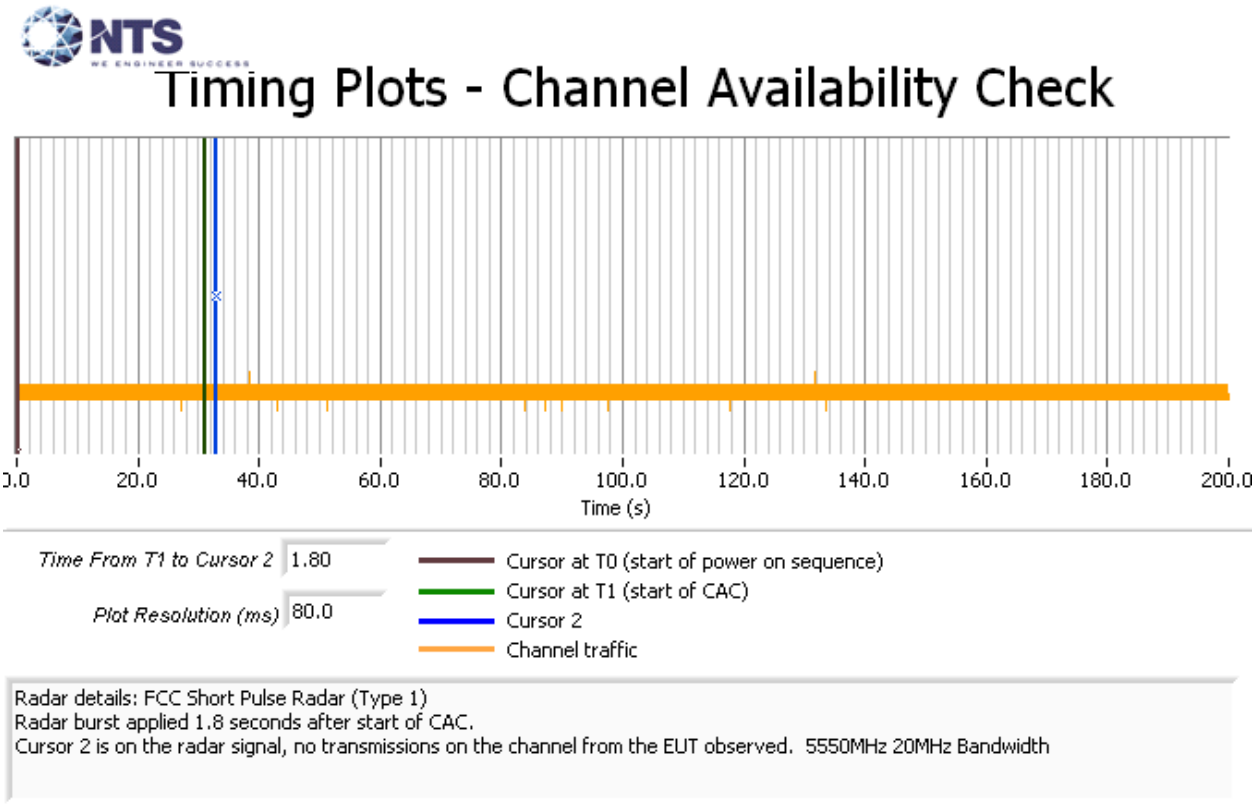


Figure 13 Radar Applied At Start of CAC

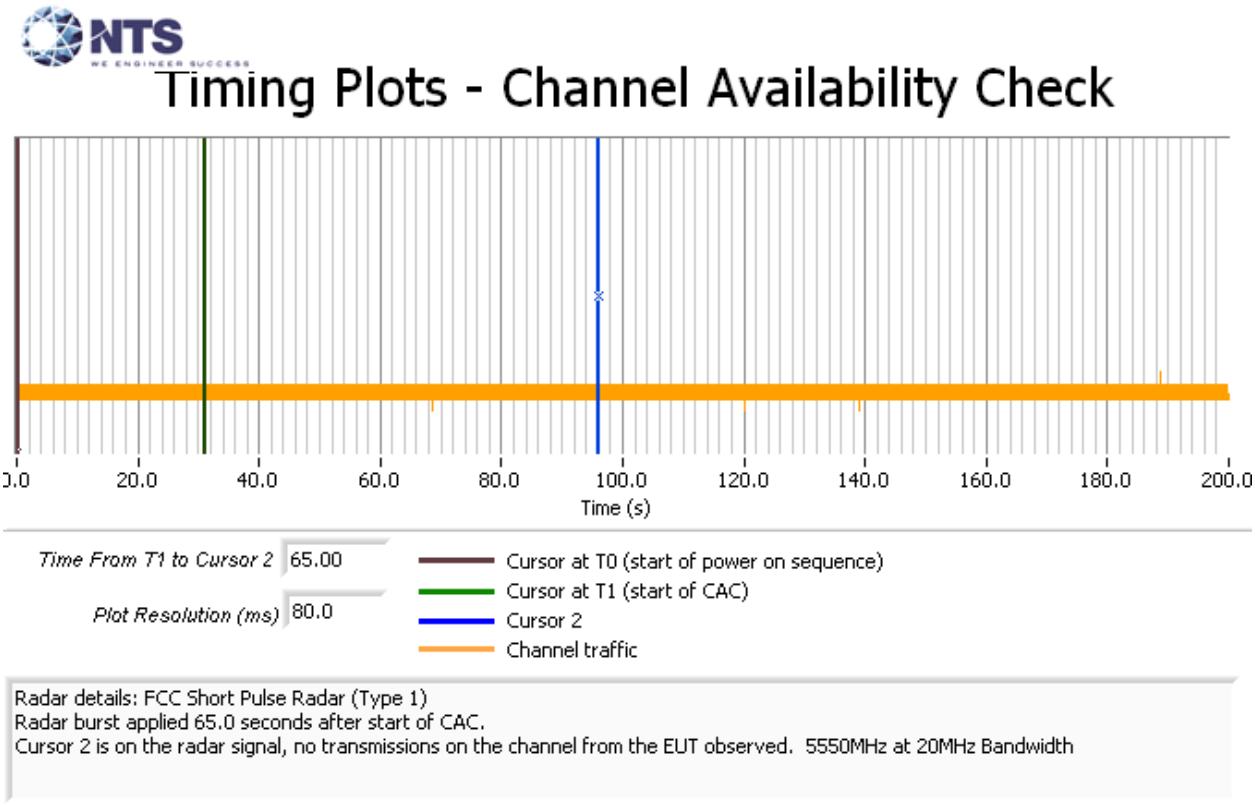


Figure 14 Radar Applied At End of CAC

Appendix E Test Data – Uniform Loading

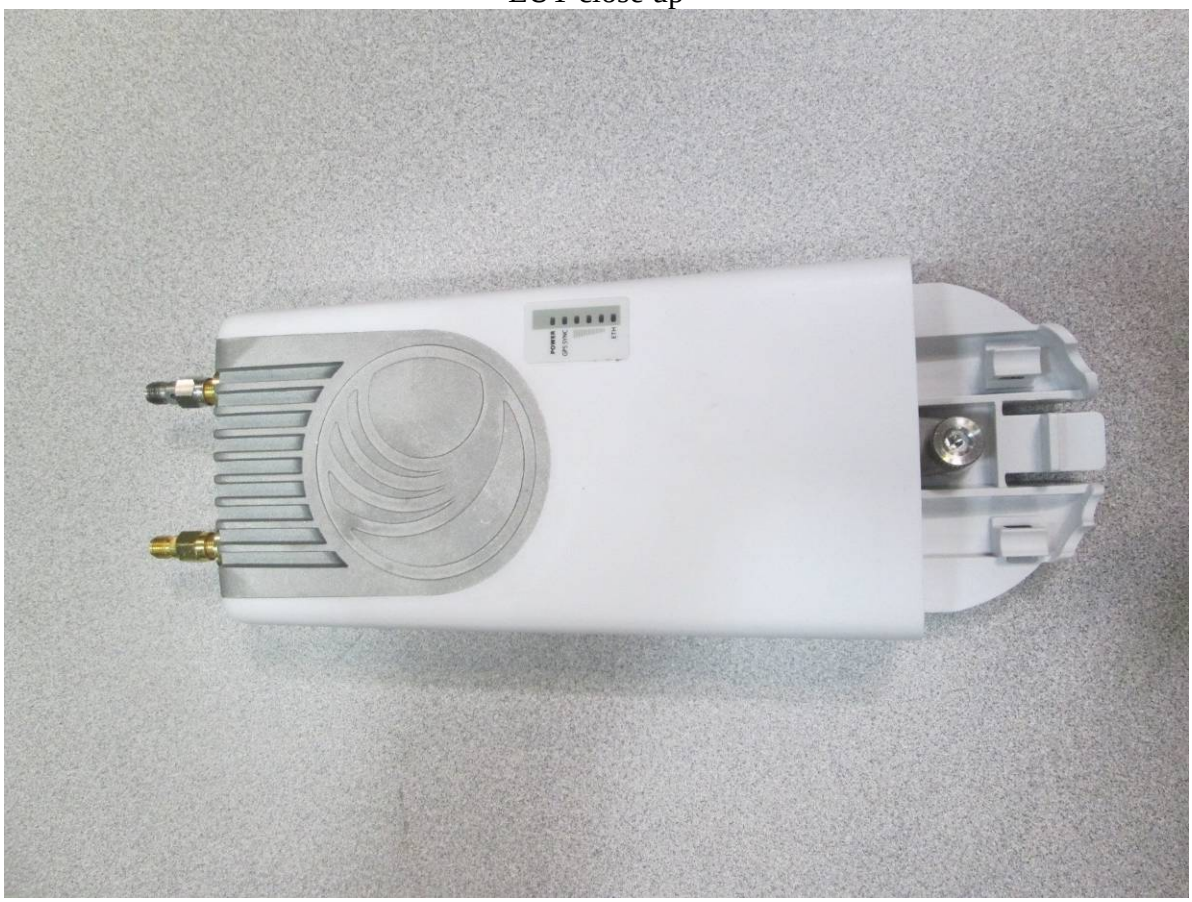
Uniform Loading tests are not applicable; this device is part of a managed network and is professionally installed. Field units will be configured with one primary channel and two alternate channels.

Appendix F Antenna Specification

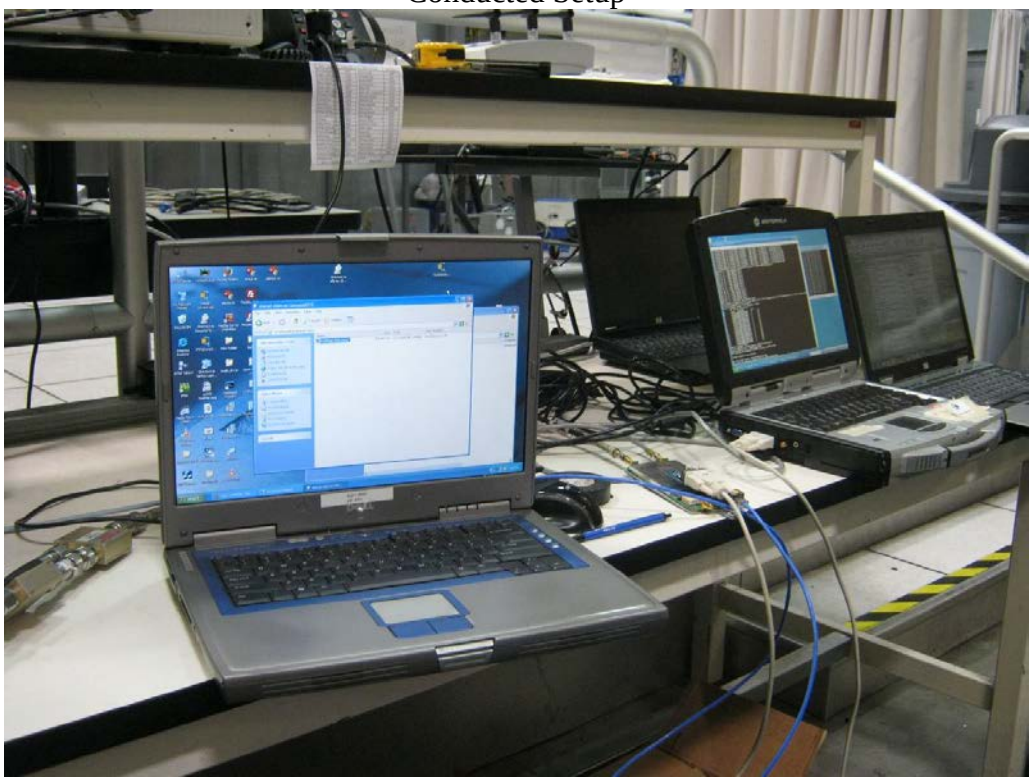
Only one antenna is shipped with this radio with a net gain of +16dB.

Appendix G Test Configuration Photograph(s)

EUT close up



Conducted Setup



Radiated Setup