

TEST REPORT

Covering the DYNAMIC FREQUENCY SELECTION (DFS) REQUIREMENTS OF

FCC Part 15 Subpart E (UNII), RSS-247

Redline Communications Model(s): RDL-3000-RMG3

IC CERTIFICATION #: 4310A-RDL3000RMG3
FCC ID: QC8-RDL3000RMG3

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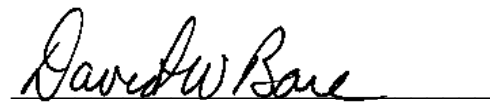
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VALIDATING SIGNATORIES

PROGRAM MGR

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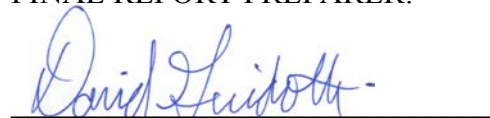
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REVISION HISTORY

Rev #	Date	Comments	Modified By
-	May 9, 2018	Initial Release	-
1	June 27, 2018	Added explanation of radar frequencies used for Long Sequence radars on pages 38, 73 and 107	dwb

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SCOPE

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

- FCC Part 15 Subpart E Unlicensed National Information Infrastructure (U-NII) Devices.
- RSS-247 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 905462 D02 v02 and FCC KDB 905462 D03 v01r02 as outlined in NTS Silicon Valley test procedures. The test results recorded herein are based on a single type test of the Redline Communications model RDL-3000-RMG3 and therefore apply only to the tested sample. The sample was selected and prepared by Nada Bajramovic-Bespalko of Redline Communications.

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 Redline Communications model RDL-3000-RMG3 complied with the DFS requirements of FCC Part 15.407(h)(2), RSS-247.

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 (5MHz)						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
In-Service Monitoring Detection Threshold	Type 1 through Type 6	5510 MHz	-64 dBm	-64dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 0	Varies	4.1 MHz	100% of the 99% BW 4.1MHz (see note 4)	Appendix B	Pass
1) Tests were performed using the radiated test method. 2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 10dBi. 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. 4) The 99% bandwidth test results are contained within a separate RF test report.						

Table 2 - FCC Part 15 Subpart E Master Device Test Result Summary (10MHz)						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
In-Service Monitoring Detection Threshold	Type 1 through Type 6	5510 MHz	-63 dBm	-64dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 0	Varies	8.2 MHz	100% of the 99% BW 8.2MHz (see note 4)	Appendix B	Pass
1) Tests were performed using the radiated test method. 2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 10dBi. 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. 4) The 99% bandwidth test results are contained within a separate RF test report.						

Table 3 - FCC Part 15 Subpart E Master Device Test Result Summary (20MHz)

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 0	5510 MHz	65.0 s	≥ 60 s	Appendix D	Pass
CAC Detection Threshold	Type 0	5510 MHz	-64 dBm	-64dBm (See note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 through Type 6	5510 MHz	-64 dBm	-64dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 0	Varies	16.4 MHz	100% of the 99% BW 16.3MHz (see note 4)	Appendix B	Pass
Channel closing transmission time	Type 1	5510 MHz	0 ms	≤ 260 ms	Appendix C	Pass
Channel move time	Type 1	5510 MHz	0.02 s	≤ 10 s	Appendix C	Pass
Non-occupancy period	Type 1	5510 MHz	> 30 min	> 30 min	Appendix C	Pass
1) Tests were performed using the radiated test method. 2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 10dBi. 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. 4) The 99% bandwidth test results are contained within a separate RF test report.						

TEST RESULTS SUMMARY – FCC Part 15, CLIENT DEVICE**Table 4 - FCC Part 15 Subpart E Client Device Test Result Summary (20MHz)**

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel closing transmission time	Type 1	5510 MHz	0 ms	≤ 260 ms	Appendix C	Pass
Channel move time	Type 1	5510 MHz	0.02 s	≤ 10 s	Appendix C	Pass
Non-occupancy period - associated	Type 1	5510 MHz	> 30 min	> 30 min	Appendix C	Pass
1) Tests were performed using the radiated test method. 2) Channel availability check and detection threshold are not applicable to client devices.						

Note: The Channel closing transmission time, channel move time and non-occupancy period was performed at the same time for both master and client.

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 $\pm 0.24\%$
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 Redline Communications model RDL-3000-RMG3 is a 2x2 MIMO point to point (PTP) and point to multipoint (PMP) carrier grade broadband wireless infrastructure product, designed to operate in the 5.25-5.35GHz and 5.47-5.725GHz bands. The EUT was treated as table-top equipment during testing to simulate the end-user environment. The electrical rating of the EUT is 48 Volts, DC and 0.53 Amps delivered over the Ethernet interface.

Testing was performed on the modular version of the product, outside of a host system.

The sample was received on April 04, 2018 and tested on April 04-30, 2018. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
Redline Communications	RDL-3000-RMG3	(Master)	366SC17463130
Redline Communications	RDL-3000-RMG3	(Client)	150SC17180010
Redline Communications	AOD-DB-O512-02	Omnidirectional 10dBi Antenna	5019
Redline Communications	AOD-DB-O512-02	Omnidirectional 10dBi Antenna	5011

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
- ☒ 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)	10	10
Highest Antenna Gain (dBi)	32	32
EIRP Output Power (dBm)	30	30

- ☒ Power can exceed 200mW eirp

Channel Protocol

- ☒ IP Based

Bandwidths Supported

- | | |
|--|--|
| ☒ 5 MHz | ☒ 10 MHz |
| ☒ 20 MHz | ☐ 40 MHz |

ENCLOSURE

The EUT has no enclosure. It is designed to be installed within the enclosure of a host chassis.

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
<i>Redline Communications</i>	<i>RDL-3000-RMG3</i>	<i>Master</i>	<i>366SC17463130</i>	<i>QC8-RDL3000RMG3</i>
<i>Redline Communications</i>	<i>RDL-3000-RMG3</i>	<i>Station</i>	<i>150SC17180010</i>	<i>QC8-RDL3000RMG3</i>
Lenovo (Server)	ThinlPad	Laptop	RDL-200-201-0119	DoC
Dell (Client)	E5430	Laptop	RDL-LPT-3064	DoC
PowerDsine (Master)	PD-9001GR/AC	55VDC PoE	C11526561000001262	NA
PowerDsine (Client)	PD-9001GR/AC	55VDC PoE	C16226582000000232	NA

The italicized devices were the master device and 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)
Master	POE Injector	CAT5	Shielded	10.0
Client	POE Injector	CAT5	Shielded	10.0
Server Laptop	POE Injector	CAT5	Unshielded	1.0
Client Laptop	POE Injector	CAT5	Unshielded	1.0

EUT OPERATION

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

Master Device: 3.97.256

Client Device: 3.97.256

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

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

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

The streamed file was the "FCC" test file and the client device was using Windows Media Player Classic as required by FCC KDB 905462 D01

The streamed file was FCC movie and the client device was using classic media player to view the file. The channel loading was evaluated to be 19.7-29.0% (refer to figures 9-11) meeting the approximately 17% loading as required by FCC KDB 905462 D02

Refer to the RDL-3000-RMG3 theory of operation document for the information about the power-on cycle time, statement about security of radar detection parameters and initial channel selection.

The RF energy emitted from the RDL-3000-RMG3 is below the FCC 15.109 limits for unintentional radiators when it is not transmitting. Refer to separate report covering unintentional emissions.

RADAR WAVEFORMS

Table 5 - FCC Short Pulse Radar Test Waveforms						
Radar Type		Pulse Width (μsec)	PRI (μsec)	Pulses / burst	Minimum Detection Percentage	Minimum Number of Trials
0		1	1428	18	See Note 1	
1	1a	1	15 unique PRI values randomly selected from the list of 23 PRI values in Note 2 below	Round Up 1/360* 19*10 ⁶ / PRI μsec	60%	15
	1b		518-3066 with minimum increment of 1 μsec, excluding PRI values selected in 1a			15
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
Note 1: Short Pulse Radar Type 0 is used for the detection bandwidth test, channel move time, and channel closing time tests.						
Note 2: Pulse repetition intervals values for Test 1a above						
Pulse Repetition Frequency Number		Pulse Repetition Frequency (Pulses Per Second)		Pulse Repetition Interval (Microseconds)		
1		1930.5		518		
2		1858.7		538		
3		1792.1		558		
4		1730.1		578		
5		1672.2		598		
6		1618.1		618		
7		1567.4		638		
8		1519.8		658		
9		1474.9		678		
10		1432.7		698		
11		1392.8		718		
12		1355		738		
13		1319.3		758		
14		1285.3		778		
15		1253.1		798		
16		1222.5		818		
17		1193.3		838		
18		1165.6		858		
19		1139		878		
20		1113.6		898		
21		1089.3		918		
22		1066.1		938		
23		326.2		3066		

Table 6 - 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 7 - 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

Table 8 - 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 9 - 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 10 - 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 which is oriented in vertical polarization.

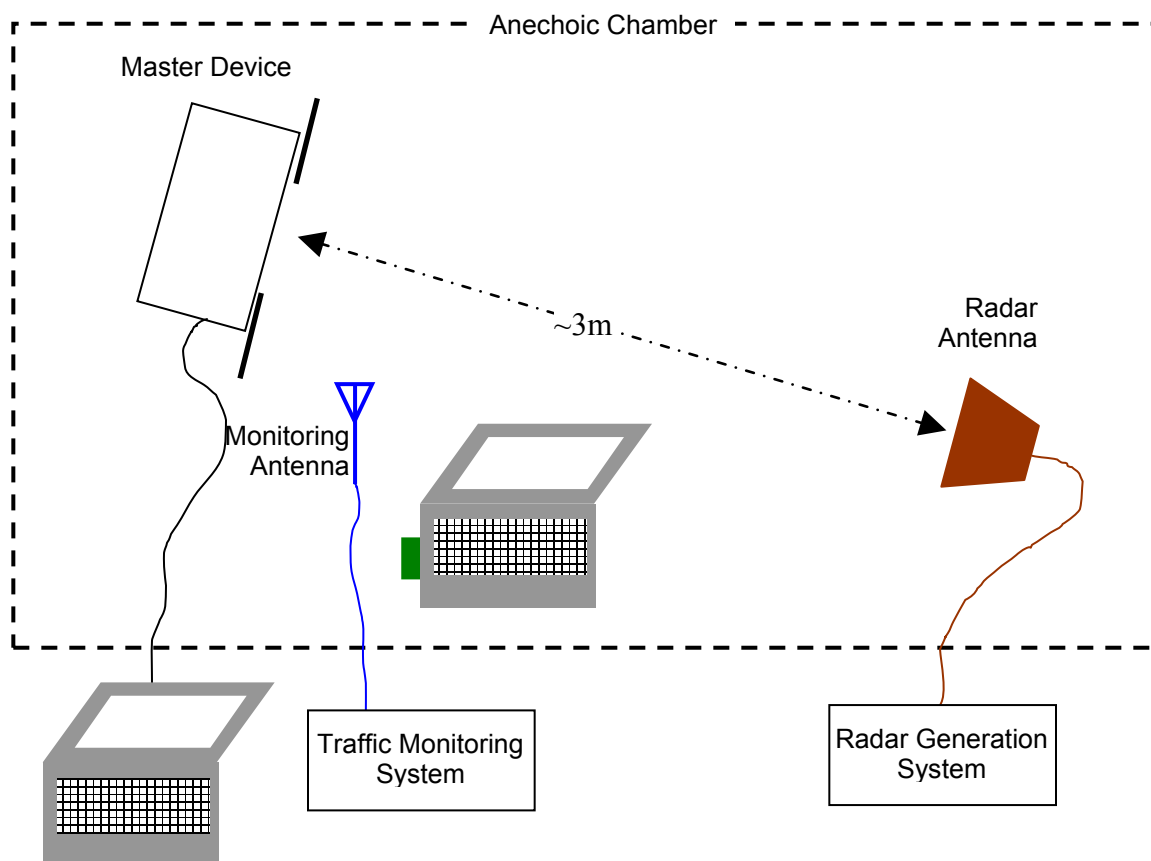


Figure 1 Test Configuration for radiated Measurement Method

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

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

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

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

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

DFS MEASUREMENT INSTRUMENTATION

RADAR GENERATION SYSTEM

An Agilent PSG is used as the radar-generating source. The integral arbitrary waveform generators are programmed using Agilent's "Pulse Building" software and 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. For radar types with variable parameters, each detection probability trial is performed using a unique set of parameters obtained by a random selection with uniform distribution for each of the variable parameters.

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 long duration pulse waveform generated in the same manner as the normal radar generated signals.

The generator output is connected to the coupling port of the conducted set-up or to the radar-generating antenna. The radar generating antenna (when used) is oriented for vertical polarization.

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.

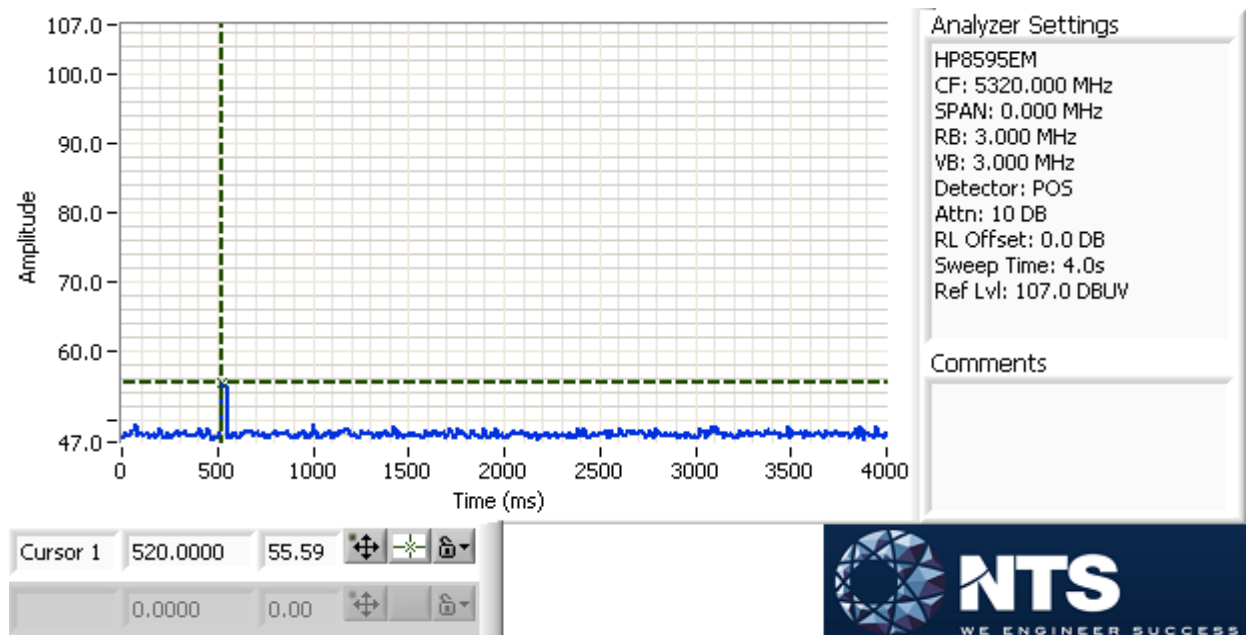


Figure 2 SA Noise Floor During Testing (radar shown at 520 ms)

RADAR GENERATOR PLOTS

The radar generator was connected to Spectrum Analyzer (SA) input, with the SA set to zero span, 3 MHz RBW, 3 MHz VBW. The SA IF output was connected to an oscilloscope to provide timing plots.

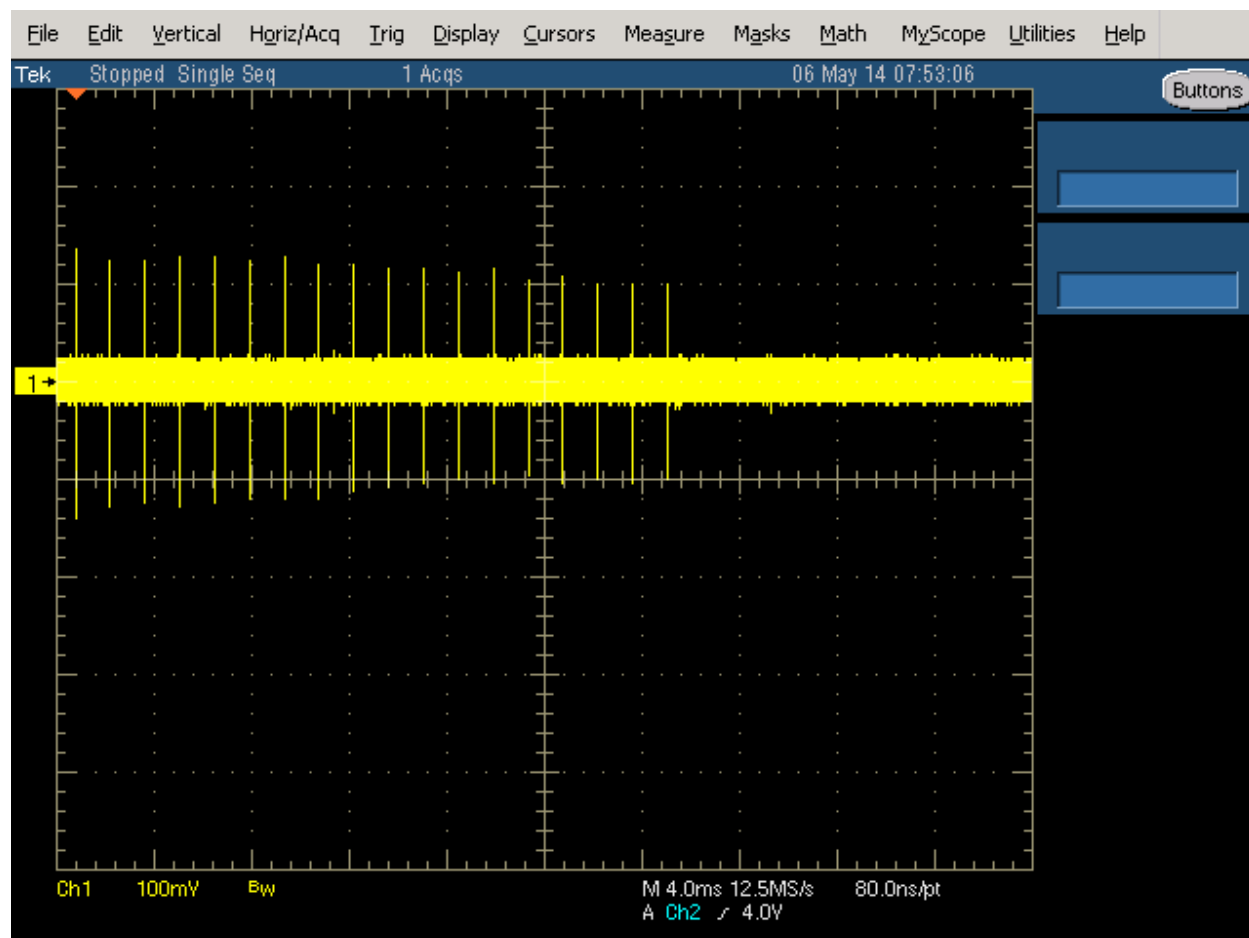


Figure 3 FCC Type 1 Radar (18 pulses)

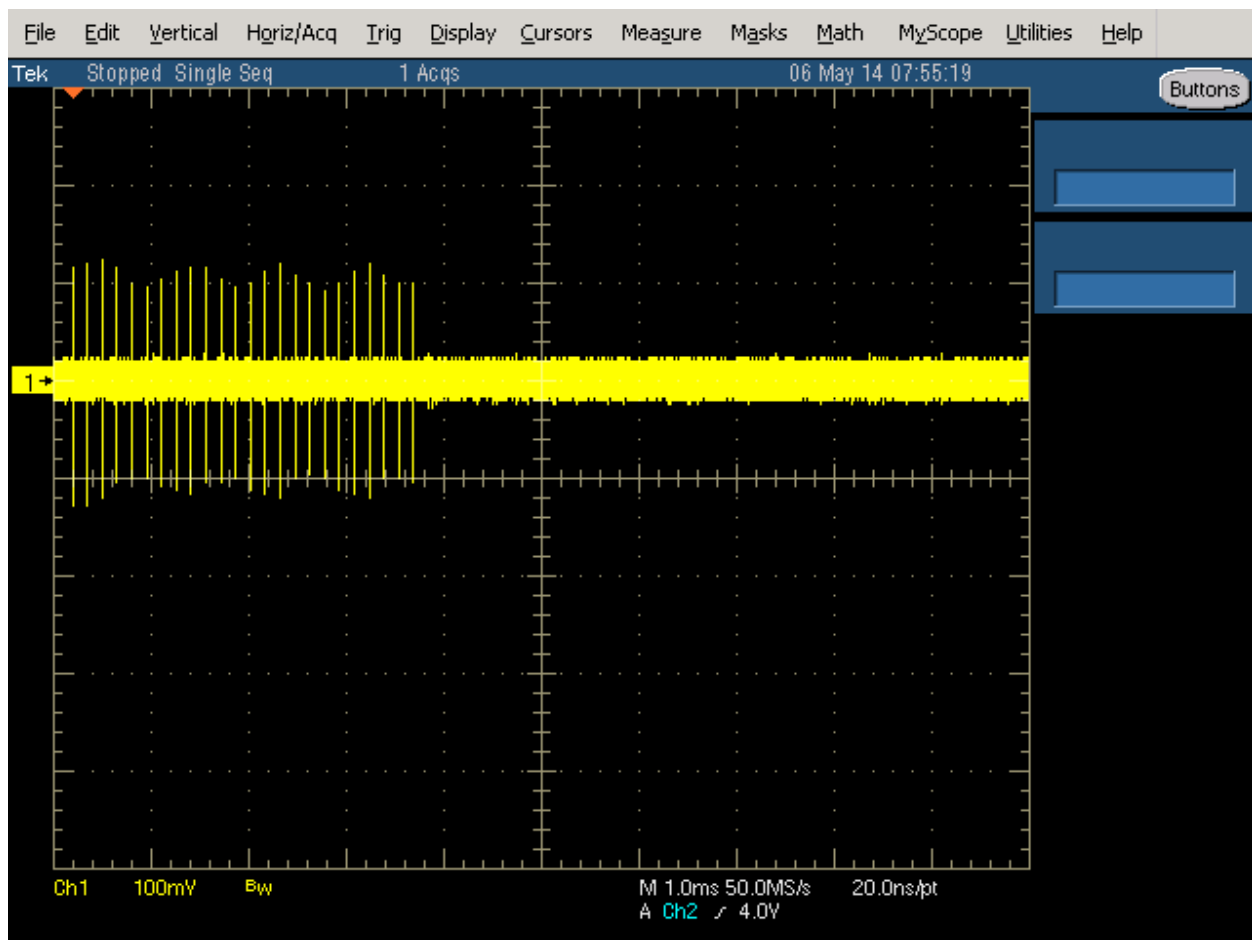


Figure 4 FCC Type 2 Radar (24 pulses)

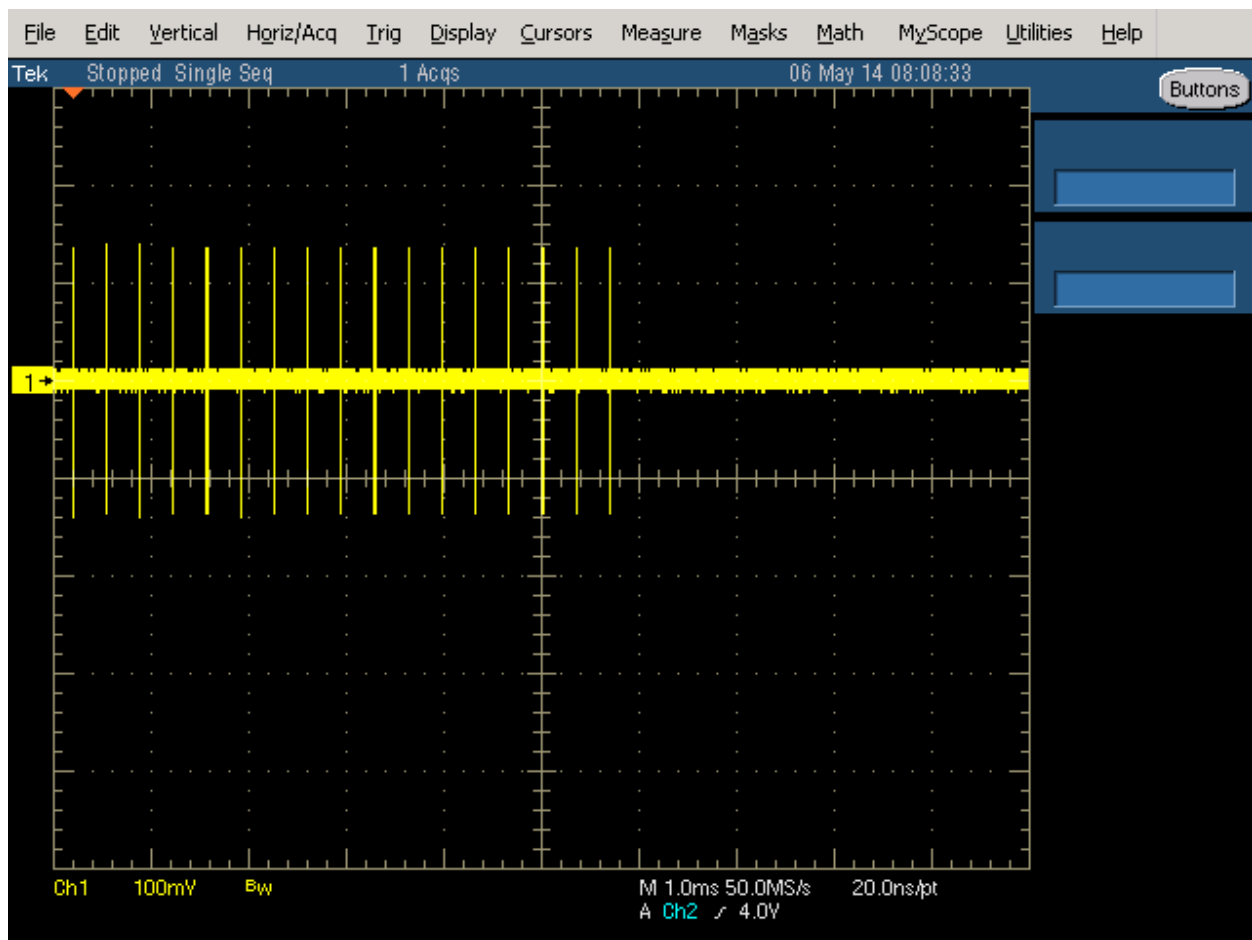


Figure 5 FCC Type 3 Radar (17 pulses)

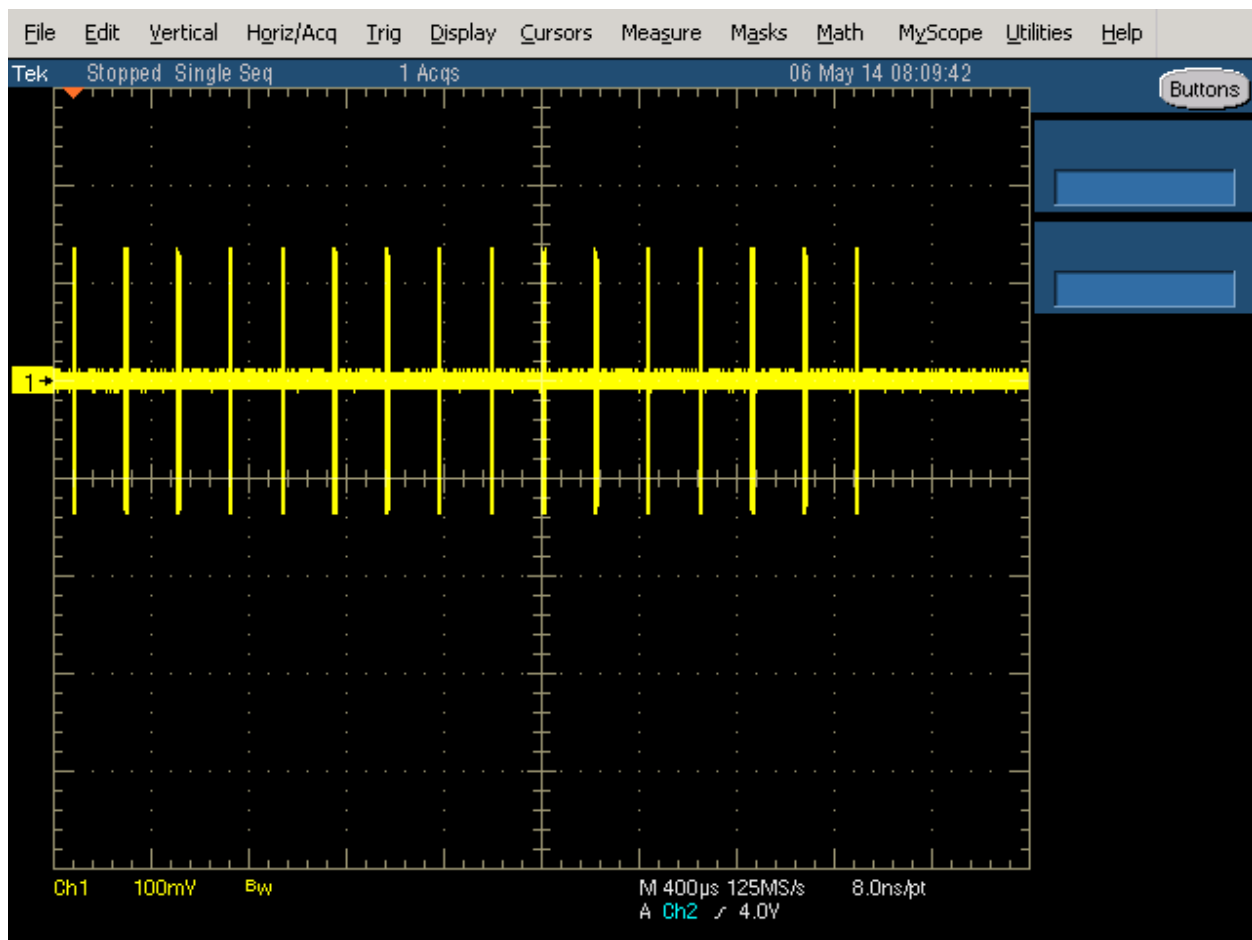


Figure 6 FCC Type 4 Radar (16 pulses)



Figure 7 FCC Type 5 Radar (burst with three pulses, 1650 μ s first period)

The shape is round due to chirped frequency during pulse as the SA is in zero span with 3 MHz BW.

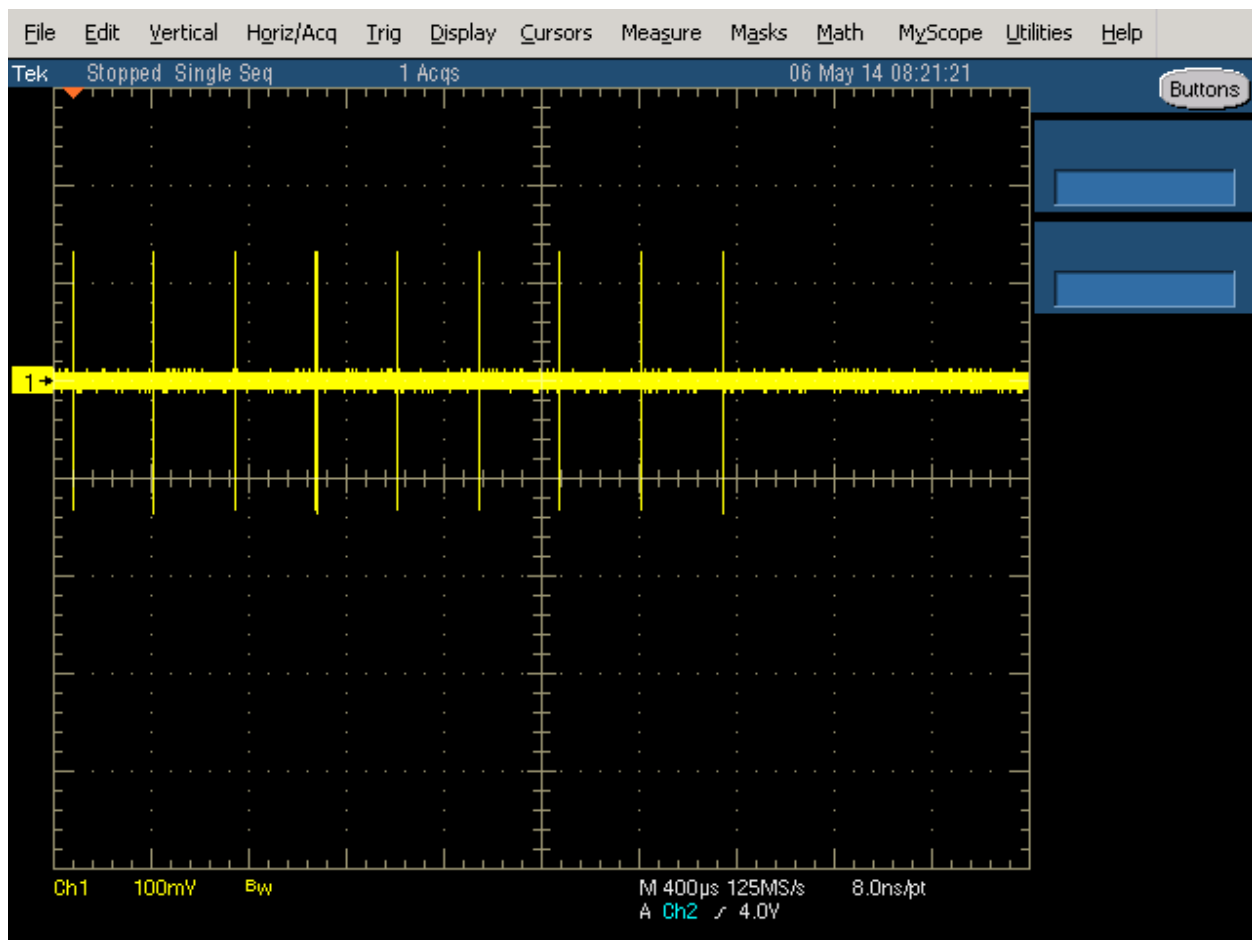


Figure 8 FCC Type 6 Radar (9 pulses in each burst)

DFS MEASUREMENT METHODS

DFS RADAR DETECTION BANDWIDTH

The radar detection bandwidth is determined by using FCC radar waveform 0 and applying radar pulses at offsets from the center channel frequency by multiples of 1-5 MHz. 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 the following way:

FCC/MSIP Notice No. 2015-95 – 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.

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 60 seconds prior to the first transmission on the channel.

To evaluate the channel availability check, a single burst of one radar type is applied within the first 2 seconds of the start of the channel availability check and it is verified that the device does not use the channel by continuing to monitor the channel for a period of at least 60 seconds. The test is repeated by applying a burst of radar in the last 2 seconds (i.e. between 58 and 60 seconds after the start of CAC when evaluating a 60-second CAC) of the channel availability check.

UNIFORM LOADING

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

TRANSMIT POWER CONTROL (TPC)

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

SAMPLE CALCULATIONS**DETECTION PROBABILITY / SUCCESS RATE**

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

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

THRESHOLD LEVEL

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

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

Appendix A Test Equipment Calibration Data

<u>Manufacturer</u>	<u>Description</u>	<u>Model #</u>	<u>Asset #</u>	<u>Cal Due</u>
Hewlett Packard	EMC Spectrum Analyzer, 9 KHz-26.5 GHz	8593EM	1141	25-Jan-19
ETS Lindgren	Antenna, Horn, 1-18 GHz	3117	1662	13-Jun-18
Agilent	PSG, Vector Signal Generator, (250kHz - 20GHz)	E8267D	3011	26-Feb-19
Technologies				
Tektronix	350 MHz Digital Oscilloscope	TDS5034B	3255	05-Feb-19

Appendix B Test Data Tables for Radar Detection Probability

The plot below shows the channel loading during testing as evaluated over a 0.4 second period. The traffic was generated by media player.

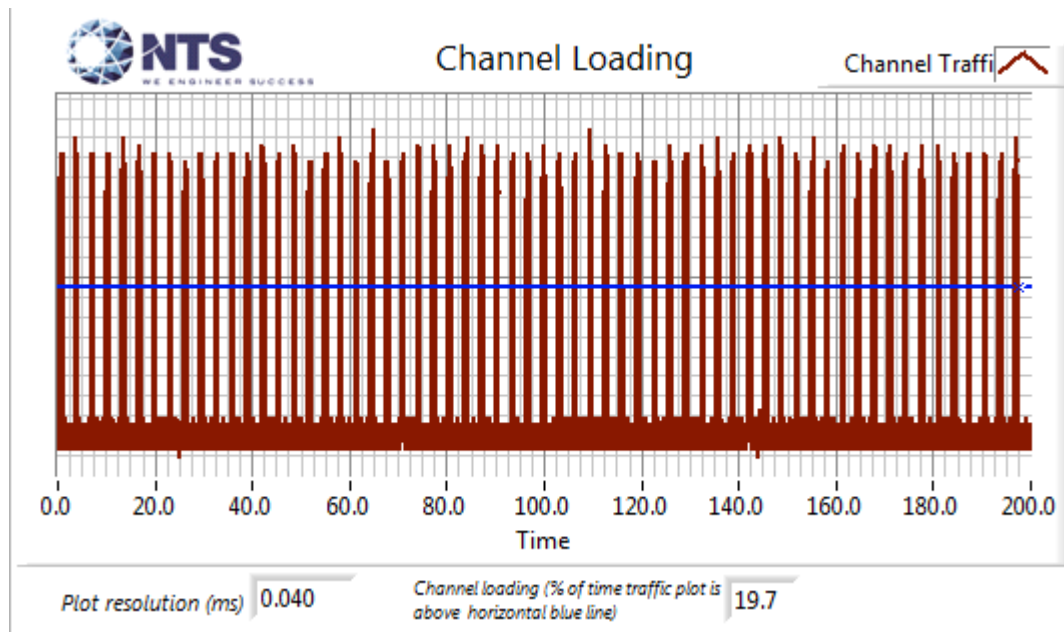


Figure 9 Channel Utilization During In-Service Detection Measurements (5MHz mode)

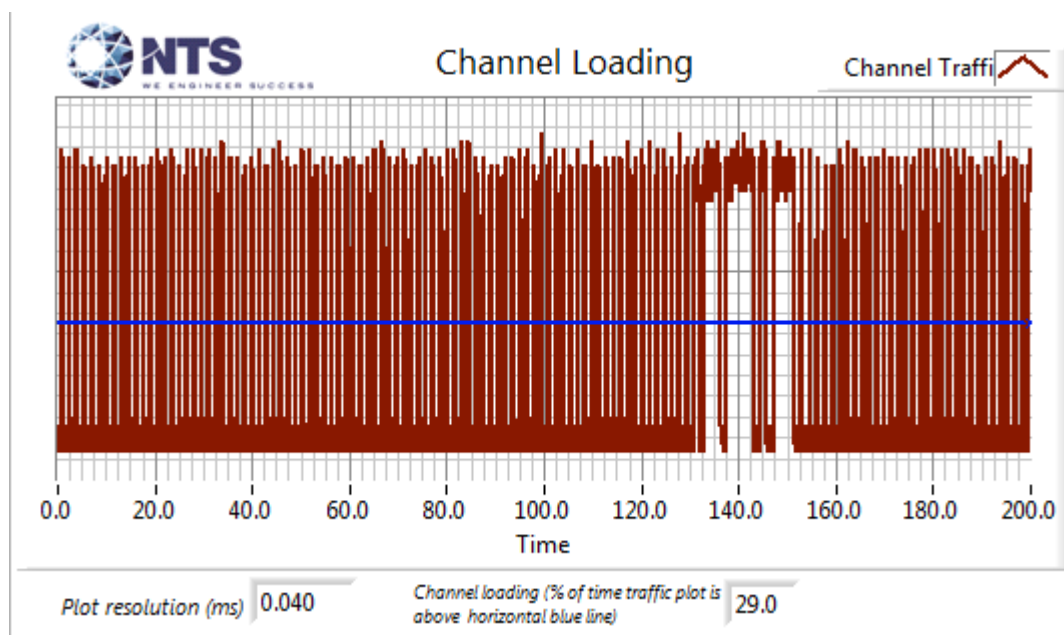


Figure 10 Channel Utilization During In-Service Detection Measurements (10MHz mode)

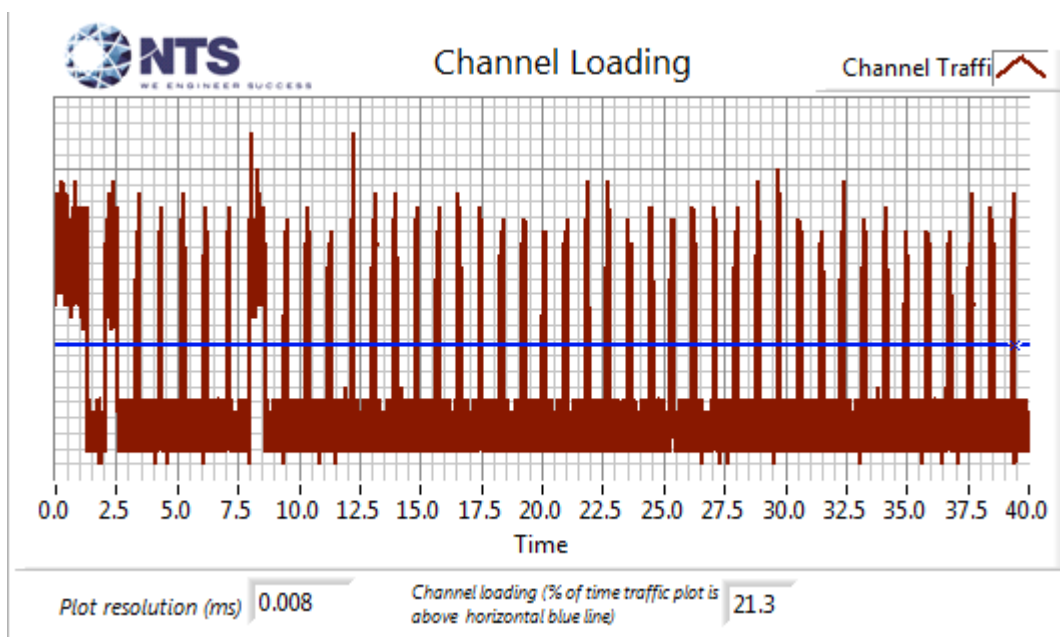


Figure 11 Channel Utilization During In-Service Detection Measurements (20MHz mode)

Table 11 – Bandwidth Measurement		
Bandwidth (MHz)	99% Bandwidth (MHz)	Detection Bandwidth (MHz)
5	4.1	4.1
10	8.2	8.2
20	16.3	16.4

Table 12 - Detection Bandwidth Measurements (Bandwidth: +2.0MHz /-2.1MHz) 5MHz

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5507.80 MHz	1	2	33
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5507.90 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5508.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5509.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5510.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5511.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5512.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5512.10 MHz	0	2	0

Table 13 - Summary of All Results 5MHz

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1A)	100.0 %	60.0 %	15	PASSED
FCC Short Pulse Radar (Type 1B)	100.0 %	60.0 %	15	PASSED
FCC Short Pulse Radar (Type 2)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	100.0 %	60.0 %	30	PASSED
Aggregate of above results	100.0 %	80.0 %	120	PASSED
FCC Long Pulse Radar (Type 5)	90.0 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	30	PASSED

Table 14 - FCC Short Pulse Radar (Type 1A) Results 5MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	65	1.0	818.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	89	1.0	598.0	Yes	5511.6MHz,-64.0dBm	Single burst
3	102	1.0	518.0	Yes	5510.0MHz,-64.0dBm	Single burst
4	74	1.0	718.0	Yes	5510.0MHz,-64.0dBm	Single burst
5	76	1.0	698.0	Yes	5510.0MHz,-64.0dBm	Single burst
6	62	1.0	858.0	Yes	5510.0MHz,-64.0dBm	Single burst
7	18	1.0	3066.0	Yes	5510.0MHz,-64.0dBm	Single burst
8	81	1.0	658.0	Yes	5510.0MHz,-64.0dBm	Single burst
9	72	1.0	738.0	Yes	5510.0MHz,-64.0dBm	Single burst
10	95	1.0	558.0	Yes	5510.0MHz,-64.0dBm	Single burst
11	63	1.0	838.0	Yes	5510.0MHz,-64.0dBm	Single burst
12	70	1.0	758.0	Yes	5510.0MHz,-64.0dBm	Single burst
13	78	1.0	678.0	Yes	5510.0MHz,-64.0dBm	Single burst
14	59	1.0	898.0	Yes	5510.0MHz,-64.0dBm	Single burst
15	68	1.0	778.0	Yes	5510.0MHz,-64.0dBm	Single burst

Table 15 - FCC Short Pulse Radar (Type 1B) Results 5MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	19	1.0	2920.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	22	1.0	2509.0	Yes	5510.0MHz,-64.0dBm	Single burst
3	19	1.0	2801.0	Yes	5511.0MHz,-64.0dBm	Single burst
4	75	1.0	713.0	Yes	5512.0MHz,-64.0dBm	Single burst
5	27	1.0	1997.0	Yes	5512.0MHz,-64.0dBm	Single burst
6	72	1.0	739.0	Yes	5512.0MHz,-64.0dBm	Single burst
7	85	1.0	623.0	Yes	5508.0MHz,-64.0dBm	Single burst
8	49	1.0	1092.0	Yes	5508.2MHz,-64.0dBm	Single burst
9	19	1.0	2904.0	Yes	5509.5MHz,-64.0dBm	Single burst
10	42	1.0	1257.0	Yes	5511.5MHz,-64.0dBm	Single burst
11	76	1.0	703.0	Yes	5512.0MHz,-64.0dBm	Single burst
12	21	1.0	2539.0	Yes	5508.0MHz,-64.0dBm	Single burst
13	67	1.0	796.0	Yes	5508.5MHz,-64.0dBm	Single burst
14	30	1.0	1790.0	Yes	5510.3MHz,-64.0dBm	Single burst
15	37	1.0	1451.0	Yes	5511.9MHz,-64.0dBm	Single burst

Table 16 - FCC Short Pulse Radar (Type 2) Results 5MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	28	1.6	164.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	25	1.9	154.0	Yes	5511.7MHz,-64.0dBm	Single burst
3	28	2.0	154.0	Yes	5512.0MHz,-64.0dBm	Single burst
4	24	1.8	195.0	Yes	5508.0MHz,-64.0dBm	Single burst
5	23	2.0	175.0	Yes	5508.9MHz,-64.0dBm	Single burst
6	26	3.3	185.0	Yes	5510.3MHz,-64.0dBm	Single burst
7	24	1.8	155.0	Yes	5512.0MHz,-64.0dBm	Single burst
8	28	4.1	217.0	Yes	5508.0MHz,-64.0dBm	Single burst
9	27	5.0	163.0	Yes	5508.5MHz,-64.0dBm	Single burst
10	25	1.7	153.0	Yes	5509.8MHz,-64.0dBm	Single burst
11	28	4.8	191.0	Yes	5511.5MHz,-64.0dBm	Single burst
12	24	1.2	166.0	Yes	5512.0MHz,-64.0dBm	Single burst
13	28	4.4	224.0	Yes	5508.0MHz,-64.0dBm	Single burst
14	25	4.2	200.0	Yes	5509.0MHz,-64.0dBm	Single burst
15	25	1.1	162.0	Yes	5510.9MHz,-64.0dBm	Single burst
16	27	2.0	208.0	Yes	5512.0MHz,-64.0dBm	Single burst
17	28	3.2	199.0	Yes	5508.0MHz,-64.0dBm	Single burst
18	24	1.4	188.0	Yes	5508.8MHz,-64.0dBm	Single burst
19	28	4.8	171.0	Yes	5509.8MHz,-64.0dBm	Single burst
20	28	4.2	159.0	Yes	5511.4MHz,-64.0dBm	Single burst
21	27	2.9	163.0	Yes	5512.0MHz,-64.0dBm	Single burst
22	28	4.5	204.0	Yes	5508.0MHz,-64.0dBm	Single burst
23	24	2.8	181.0	Yes	5508.4MHz,-64.0dBm	Single burst
24	27	3.4	169.0	Yes	5510.0MHz,-64.0dBm	Single burst
25	26	2.1	208.0	Yes	5511.5MHz,-64.0dBm	Single burst
26	25	3.2	174.0	Yes	5512.0MHz,-64.0dBm	Single burst
27	25	2.7	221.0	Yes	5508.0MHz,-64.0dBm	Single burst
28	24	2.5	156.0	Yes	5508.6MHz,-64.0dBm	Single burst
29	25	2.9	177.0	Yes	5509.9MHz,-64.0dBm	Single burst
30	27	1.7	152.0	Yes	5511.3MHz,-64.0dBm	Single burst

Table 17 - FCC Short Pulse Radar (Type 3) Results 5MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	18	9.3	475.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	17	7.7	212.0	Yes	5511.5MHz,-64.0dBm	Single burst
3	17	8.0	222.0	Yes	5512.0MHz,-64.0dBm	Single burst
4	17	6.0	233.0	Yes	5508.0MHz,-64.0dBm	Single burst
5	18	7.6	491.0	Yes	5508.6MHz,-64.0dBm	Single burst
6	17	6.7	416.0	Yes	5509.8MHz,-64.0dBm	Single burst
7	18	7.6	454.0	Yes	5510.9MHz,-64.0dBm	Single burst
8	18	8.2	321.0	Yes	5512.0MHz,-64.0dBm	Single burst
9	16	8.3	379.0	Yes	5508.0MHz,-64.0dBm	Single burst
10	17	6.7	235.0	Yes	5508.3MHz,-64.0dBm	Single burst
11	18	7.2	381.0	Yes	5509.5MHz,-64.0dBm	Single burst
12	16	6.7	371.0	Yes	5511.3MHz,-64.0dBm	Single burst
13	17	9.8	282.0	Yes	5512.0MHz,-64.0dBm	Single burst
14	18	8.1	380.0	Yes	5508.0MHz,-64.0dBm	Single burst
15	17	6.1	333.0	Yes	5508.8MHz,-64.0dBm	Single burst
16	17	8.8	487.0	Yes	5509.9MHz,-64.0dBm	Single burst
17	16	6.6	243.0	Yes	5511.0MHz,-64.0dBm	Single burst
18	18	7.2	442.0	Yes	5512.0MHz,-64.0dBm	Single burst
19	17	6.5	382.0	Yes	5508.0MHz,-64.0dBm	Single burst
20	18	6.1	431.0	Yes	5508.7MHz,-64.0dBm	Single burst
21	16	9.9	334.0	Yes	5509.7MHz,-64.0dBm	Single burst
22	17	9.4	445.0	Yes	5511.4MHz,-64.0dBm	Single burst
23	18	9.6	296.0	Yes	5512.0MHz,-64.0dBm	Single burst
24	18	8.2	317.0	Yes	5508.0MHz,-64.0dBm	Single burst
25	16	6.1	490.0	Yes	5509.0MHz,-64.0dBm	Single burst
26	18	8.0	233.0	Yes	5510.5MHz,-64.0dBm	Single burst
27	18	8.4	462.0	Yes	5511.6MHz,-64.0dBm	Single burst
28	18	6.8	401.0	Yes	5512.0MHz,-64.0dBm	Single burst
29	17	9.0	326.0	Yes	5508.0MHz,-64.0dBm	Single burst
30	17	8.7	279.0	Yes	5508.6MHz,-64.0dBm	Single burst

Table 18 - FCC Short Pulse Radar (Type 4) Results 5MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	16	15.5	229.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	13	17.1	437.0	Yes	5511.7MHz,-64.0dBm	Single burst
3	13	15.2	236.0	Yes	5512.0MHz,-64.0dBm	Single burst
4	14	17.1	340.0	Yes	5508.0MHz,-64.0dBm	Single burst
5	13	16.2	380.0	Yes	5508.3MHz,-64.0dBm	Single burst
6	13	17.5	202.0	Yes	5509.7MHz,-64.0dBm	Single burst
7	16	15.4	211.0	Yes	5511.7MHz,-64.0dBm	Single burst
8	12	16.8	228.0	Yes	5512.0MHz,-64.0dBm	Single burst
9	14	16.2	447.0	Yes	5508.0MHz,-64.0dBm	Single burst
10	12	11.5	335.0	Yes	5508.1MHz,-64.0dBm	Single burst
11	16	17.4	463.0	Yes	5509.7MHz,-64.0dBm	Single burst
12	13	17.3	350.0	Yes	5511.3MHz,-64.0dBm	Single burst
13	12	18.9	286.0	Yes	5512.0MHz,-64.0dBm	Single burst
14	12	16.5	309.0	Yes	5508.0MHz,-64.0dBm	Single burst
15	12	17.5	296.0	Yes	5508.6MHz,-64.0dBm	Single burst
16	14	13.1	270.0	Yes	5510.1MHz,-64.0dBm	Single burst
17	15	17.3	215.0	Yes	5512.0MHz,-64.0dBm	Single burst
18	15	19.5	273.0	Yes	5508.0MHz,-64.0dBm	Single burst
19	13	11.4	279.0	Yes	5508.0MHz,-64.0dBm	Single burst
20	14	14.1	432.0	Yes	5509.1MHz,-64.0dBm	Single burst
21	15	15.0	332.0	Yes	5510.4MHz,-64.0dBm	Single burst
22	13	17.7	308.0	Yes	5511.9MHz,-64.0dBm	Single burst
23	14	14.4	273.0	Yes	5512.0MHz,-64.0dBm	Single burst
24	15	12.3	399.0	Yes	5508.0MHz,-64.0dBm	Single burst
25	15	12.3	324.0	Yes	5508.1MHz,-64.0dBm	Single burst
26	16	19.5	409.0	Yes	5509.2MHz,-64.0dBm	Single burst
27	15	11.7	366.0	Yes	5510.5MHz,-64.0dBm	Single burst
28	15	14.0	368.0	Yes	5511.9MHz,-64.0dBm	Single burst
29	16	14.5	429.0	Yes	5512.0MHz,-64.0dBm	Single burst
30	13	18.4	344.0	Yes	5508.0MHz,-64.0dBm	Single burst

Table 19 - FCC Long Pulse Radar (Type 5) Waveform Summary 5MHz

FCC Long Pulse Radar (Type 5) Trial	Result	Frequency, Level
Trial #1	Detected	5510.0MHz, -64.0dBm
Trial #2	Detected	5510.0MHz, -64.0dBm
Trial #3	Detected	5510.0MHz, -64.0dBm
Trial #4	Detected	5510.0MHz, -64.0dBm
Trial #5	Detected	5510.0MHz, -64.0dBm
Trial #6	Detected	5510.0MHz, -64.0dBm
Trial #7	Detected	5510.0MHz, -64.0dBm
Trial #8	NOT Detected	5510.0MHz, -64.0dBm
Trial #9	Detected	5510.0MHz, -64.0dBm
Trial #10	Detected	5510.0MHz, -64.0dBm
Trial #11	NOT Detected	5510.0MHz, -64.0dBm
Trial #12	Detected	5510.0MHz, -64.0dBm
Trial #13	Detected	5510.0MHz, -64.0dBm
Trial #14	Detected	5510.0MHz, -64.0dBm
Trial #15	Detected	5511.6MHz, -64.0dBm
Trial #16	NOT Detected	5510.0MHz, -64.0dBm
Trial #17	Detected	5510.0MHz, -64.0dBm
Trial #18	Detected	5510.8MHz, -64.0dBm
Trial #19	Detected	5510.0MHz, -64.0dBm
Trial #20	Detected	5510.0MHz, -64.0dBm
Trial #21	Detected	5510.0MHz, -64.0dBm
Trial #22	Detected	5508.0MHz, -64.0dBm
Trial #23	Detected	5510.0MHz, -64.0dBm
Trial #24	Detected	5508.0MHz, -64.0dBm
Trial #25	Detected	5509.6MHz, -64.0dBm
Trial #26	Detected	5510.0MHz, -64.0dBm
Trial #27	Detected	5510.0MHz, -64.0dBm
Trial #28	Detected	5510.0MHz, -64.0dBm
Trial #29	Detected	5508.0MHz, -64.0dBm
Trial #30	Detected	5509.2MHz, -64.0dBm

The frequency is fixed for trials 1-10. For trials 11-30 the radar frequency varies for the remainder of the trials such that 90% of the chirp is within the occupied bandwidth¹. This is in accordance with FCC KDB 905462 D02 7.8.4.2. The actual frequency for trials 11-30 are randomly selected based on the occupied bandwidth of the device and the chirp frequency for each trial. Trials 11-20 were performed with the radar frequency in the upper half of the occupied bandwidth and trials 21-30 were performed with the radar frequency in the lower half of the occupied bandwidth. When all of the trials would be at the center of the channel, some trials are performed at the other frequencies between the edge of the occupied bandwidth and the center frequency. For example, trial 22 used a chirp width of 10 MHz, 40% of 10 is 4 MHz which is wider ½ the occupied bandwidth, but the radar frequency was set to 5508 MHz (i.e. the edge of the occupied bandwidth). The chirp width is wider than the occupied bandwidth in all cases.

¹ Note that if the chirp width exceeds ½ of the occupied bandwidth, less than 90% of the chirp range may be within the occupied bandwidth.

Table 20 - FCC Long Pulse Radar (Type 5) Waveform Trial#1 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	79.4	12	1833.0	-	0.278080
2	1	51.9	12	-	-	1.093148
3	2	84.3	12	1167.0	-	1.696759
4	2	67.0	12	1633.0	-	2.144164
5	3	64.3	12	1825.0	1839.0	3.103283
6	2	87.1	12	1955.0	-	3.554840
7	2	55.7	12	1984.0	-	3.925605
8	1	66.8	12	-	-	5.002870
9	3	84.8	12	1185.0	1759.0	5.248589
10	2	88.2	12	1647.0	-	5.800443
11	1	98.0	12	-	-	6.819252
12	2	59.2	12	1697.0	-	7.030930
13	2	75.8	12	1467.0	-	7.796564
14	2	75.4	12	1857.0	-	8.690741
15	1	71.4	12	-	-	9.166199
16	3	58.9	12	1921.0	1336.0	9.754424
17	3	86.0	12	1690.0	1543.0	10.203313
18	2	90.3	12	1334.0	-	11.335688
19	1	79.6	12	-	-	11.620267

Table 21 - FCC Long Pulse Radar (Type 5) Waveform Trial#2 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	51.6	17	1883.0	1447.0	0.148009
2	3	86.6	17	1172.0	1650.0	1.021332
3	2	62.7	17	1990.0	-	1.858364
4	1	93.7	17	-	-	2.107227
5	2	57.4	17	1246.0	-	3.039844
6	2	74.3	17	1053.0	-	3.594916
7	2	96.8	17	1526.0	-	4.084446
8	2	67.5	17	1448.0	-	4.805465
9	3	75.1	17	1813.0	1567.0	5.193966
10	2	61.7	17	1048.0	-	5.928617
11	3	55.2	17	1390.0	1836.0	6.543483
12	2	83.3	17	1874.0	-	7.424937
13	3	80.2	17	1426.0	1029.0	8.084173
14	3	73.0	17	1660.0	1688.0	8.356903
15	1	82.0	17	-	-	8.988024
16	2	83.8	17	1035.0	-	10.000577
17	2	99.9	17	1589.0	-	10.171695
18	1	75.5	17	-	-	11.340197
19	2	52.3	17	1803.0	-	11.968146

Table 22 - FCC Long Pulse Radar (Type 5) Waveform Trial#3 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.2	11	1830.0	-	0.080121
2	2	85.5	11	1302.0	-	0.608623
3	1	69.7	11	-	-	1.376206
4	2	76.1	11	1508.0	-	1.866617
5	3	86.9	11	1730.0	1533.0	2.456337
6	2	78.4	11	1812.0	-	3.585300
7	3	65.5	11	1526.0	1815.0	3.700052
8	2	72.1	11	1978.0	-	4.499106
9	2	57.3	11	1890.0	-	5.318526
10	2	98.4	11	1897.0	-	5.947431
11	2	66.7	11	1638.0	-	6.487289
12	1	69.9	11	-	-	6.847145
13	2	95.4	11	1459.0	-	7.676427
14	3	81.6	11	1997.0	1558.0	8.239365
15	2	97.0	11	1230.0	-	8.899164
16	1	97.5	11	-	-	9.349961
17	2	75.8	11	1560.0	-	9.638143
18	2	66.1	11	1079.0	-	10.206388
19	1	81.1	11	-	-	10.981633
20	2	60.0	11	1421.0	-	11.629977

Table 23 - FCC Long Pulse Radar (Type 5) Waveform Trial#4 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	90.9	15	1579.0	1592.0	0.376021
2	2	66.4	15	1071.0	-	1.983883
3	1	74.5	15	-	-	2.907034
4	3	74.0	15	1417.0	1386.0	4.062822
5	3	58.4	15	1405.0	1740.0	4.659318
6	3	53.0	15	1899.0	1096.0	6.423698
7	1	75.6	15	-	-	7.612207
8	1	87.2	15	-	-	8.494263
9	2	86.1	15	1130.0	-	9.184579
10	2	93.4	15	1336.0	-	9.865523
11	2	68.5	15	1495.0	-	11.477097

Table 24 - FCC Long Pulse Radar (Type 5) Waveform Trial#5 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	64.0	7	-	-	0.195938
2	3	70.6	7	1939.0	1940.0	1.937759
3	2	83.5	7	1395.0	-	2.862075
4	1	91.5	7	-	-	3.762178
5	2	95.8	7	1646.0	-	5.130504
6	2	98.9	7	1912.0	-	7.190910
7	3	58.0	7	1213.0	1035.0	7.463022
8	1	69.0	7	-	-	8.593914
9	1	84.0	7	-	-	10.230704
10	1	88.1	7	-	-	11.568876

Table 25 - FCC Long Pulse Radar (Type 5) Waveform Trial#6 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	71.2	15	1502.0	-	0.726495
2	2	66.0	15	1334.0	-	1.461684
3	2	91.7	15	1005.0	-	2.155722
4	2	62.9	15	1446.0	-	3.121529
5	3	90.4	15	1231.0	1818.0	3.805042
6	1	79.7	15	-	-	5.270265
7	2	81.2	15	1714.0	-	5.795037
8	2	98.0	15	1737.0	-	6.950356
9	1	61.7	15	-	-	7.859968
10	1	58.5	15	-	-	8.870386
11	2	90.8	15	1621.0	-	9.944926
12	2	99.1	15	1089.0	-	10.846750
13	3	55.4	15	1287.0	1832.0	11.130863

Table 26 - FCC Long Pulse Radar (Type 5) Waveform Trial#7 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	77.5	10	1544.0	1020.0	0.495944
2	2	95.7	10	1179.0	-	1.102399
3	2	80.9	10	1563.0	-	2.419541
4	2	63.8	10	1659.0	-	3.368419
5	1	64.5	10	-	-	4.776116
6	2	98.5	10	1663.0	-	5.797974
7	2	91.5	10	1564.0	-	7.499778
8	2	98.6	10	1506.0	-	7.757147
9	1	76.1	10	-	-	9.462243
10	2	82.3	10	1570.0	-	10.117856
11	1	91.1	10	-	-	11.897852

Table 27 - FCC Long Pulse Radar (Type 5) Waveform Trial#8 (NOT Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	84.4	16	1898.0	1881.0	0.574852
2	2	68.6	16	1126.0	-	1.889615
3	3	50.9	16	1521.0	1759.0	3.176851
4	1	92.2	16	-	-	3.807074
5	2	53.7	16	1320.0	-	5.049714
6	3	80.4	16	1440.0	1950.0	6.341640
7	1	92.3	16	-	-	7.584525
8	3	62.1	16	1313.0	1359.0	8.832548
9	1	67.9	16	-	-	10.062261
10	2	53.7	16	1541.0	-	11.461936

Table 28 - FCC Long Pulse Radar (Type 5) Waveform Trial#9 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	75.8	15	1445.0	1486.0	0.607196
2	2	55.8	15	1442.0	-	1.148321
3	2	53.9	15	1684.0	-	1.902289
4	3	81.0	15	1401.0	1619.0	2.711361
5	1	99.2	15	-	-	3.574441
6	3	62.7	15	1545.0	1601.0	4.767601
7	2	68.0	15	1160.0	-	5.545362
8	1	52.7	15	-	-	5.618778
9	2	57.3	15	1486.0	-	6.481965
10	3	83.9	15	1544.0	1629.0	7.384772
11	2	79.0	15	1644.0	-	8.465559
12	1	54.1	15	-	-	8.850061
13	1	86.0	15	-	-	10.229340
14	1	80.0	15	-	-	10.499107
15	2	68.5	15	1573.0	-	11.629147

Table 29 - FCC Long Pulse Radar (Type 5) Waveform Trial#10 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	56.5	12	1113.0	-	0.856193
2	2	87.7	12	1647.0	-	1.195640
3	2	51.2	12	1961.0	-	1.907776
4	2	60.0	12	1966.0	-	3.169099
5	2	84.0	12	1466.0	-	3.974074
6	1	82.4	12	-	-	4.702718
7	3	89.9	12	1738.0	1296.0	5.612192
8	2	82.1	12	1969.0	-	7.232945
9	2	64.1	12	1514.0	-	7.600653
10	2	98.6	12	1151.0	-	9.223307
11	2	64.9	12	1446.0	-	9.238800
12	2	98.6	12	1056.0	-	10.517846
13	2	85.4	12	1727.0	-	11.097122

Table 30 - FCC Long Pulse Radar (Type 5) Waveform Trial#11 (NOT Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	72.0	18	1347.0	1240.0	0.495575
2	2	54.8	18	1760.0	-	1.076288
3	3	97.0	18	1278.0	1859.0	1.629872
4	2	61.3	18	1129.0	-	2.215782
5	2	52.2	18	1505.0	-	2.416963
6	2	80.4	18	1386.0	-	3.157461
7	2	73.9	18	1152.0	-	3.650069
8	3	74.9	18	1959.0	1656.0	4.398425
9	1	78.1	18	-	-	5.157903
10	2	52.7	18	1593.0	-	5.482266
11	2	83.3	18	1353.0	-	6.383070
12	2	74.6	18	1733.0	-	6.969209
13	2	74.3	18	1067.0	-	7.538285
14	1	56.9	18	-	-	8.290745
15	2	64.6	18	1776.0	-	8.816694
16	3	59.7	18	1524.0	1690.0	9.328012
17	2	86.6	18	1919.0	-	10.072154
18	2	81.3	18	1854.0	-	10.290065
19	2	83.3	18	1188.0	-	11.231044
20	3	60.7	18	1622.0	1662.0	11.475743

Table 31 - FCC Long Pulse Radar (Type 5) Waveform Trial#12 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	72.3	14	1403.0	-	0.901808
2	1	65.8	14	-	-	1.992251
3	2	97.6	14	1537.0	-	2.628816
4	2	71.3	14	1401.0	-	3.472468
5	2	60.5	14	1810.0	-	4.539528
6	2	70.5	14	1842.0	-	5.277321
7	2	74.4	14	1314.0	-	6.352622
8	3	62.5	14	1137.0	1438.0	7.377776
9	2	77.6	14	1791.0	-	8.367266
10	2	73.7	14	1094.0	-	9.632460
11	3	63.0	14	1423.0	1552.0	10.871393
12	2	61.5	14	1699.0	-	11.462088

Table 32 - FCC Long Pulse Radar (Type 5) Waveform Trial#13 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	73.1	12	1397.0	-	0.446562
2	1	78.3	12	-	-	1.066545
3	2	91.0	12	1772.0	-	1.481884
4	3	64.2	12	1957.0	1123.0	2.409745
5	3	56.1	12	1699.0	1717.0	2.934330
6	2	63.3	12	1353.0	-	3.495330
7	2	64.7	12	1823.0	-	3.959639
8	1	92.1	12	-	-	4.541531
9	3	59.5	12	1700.0	1623.0	5.504549
10	1	58.1	12	-	-	5.778796
11	3	54.4	12	1390.0	1092.0	6.747280
12	1	64.8	12	-	-	7.267447
13	1	62.2	12	-	-	7.674489
14	2	86.8	12	1767.0	-	8.404302
15	2	63.5	12	1734.0	-	9.282482
16	2	87.3	12	1191.0	-	9.737859
17	1	67.8	12	-	-	10.479566
18	1	69.6	12	-	-	11.139538
19	2	79.9	12	1173.0	-	11.848619

Table 33 - FCC Long Pulse Radar (Type 5) Waveform Trial#14 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	97.7	18	-	-	0.437693
2	3	93.5	18	1208.0	1267.0	1.451580
3	2	90.3	18	1935.0	-	2.434572
4	2	84.2	18	1239.0	-	3.155075
5	1	74.3	18	-	-	4.153427
6	1	54.8	18	-	-	4.543433
7	2	89.5	18	1650.0	-	5.934838
8	2	55.8	18	1722.0	-	6.192264
9	3	99.1	18	1179.0	1002.0	7.307315
10	2	69.6	18	1255.0	-	8.424181
11	3	71.5	18	1672.0	1485.0	8.684294
12	2	61.3	18	1616.0	-	9.842408
13	1	87.6	18	-	-	10.686778
14	3	64.6	18	1991.0	1271.0	11.333400

Table 34 - FCC Long Pulse Radar (Type 5) Waveform Trial#15 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	95.1	9	-	-	0.563236
2	3	83.9	9	1240.0	1279.0	1.259252
3	2	62.6	9	1449.0	-	1.896430
4	2	96.8	9	1251.0	-	2.216885
5	2	50.5	9	1216.0	-	3.490558
6	3	83.0	9	1348.0	1478.0	3.583707
7	3	75.7	9	1409.0	1434.0	4.476537
8	2	96.1	9	1981.0	-	5.528611
9	3	84.0	9	1271.0	1642.0	6.041088
10	2	80.6	9	1648.0	-	6.556892
11	2	74.1	9	1672.0	-	7.438474
12	2	89.2	9	1738.0	-	8.066664
13	2	82.8	9	1794.0	-	8.801202
14	2	81.3	9	1848.0	-	9.205977
15	2	90.0	9	1092.0	-	10.045437
16	3	83.5	9	1130.0	1608.0	10.594876
17	2	53.0	9	1878.0	-	11.668689

Table 35 - FCC Long Pulse Radar (Type 5) Waveform Trial#16 (NOT Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	98.8	19	1107.0	-	0.653645
2	2	70.0	19	1183.0	-	1.076829
3	2	94.9	19	1095.0	-	1.695386
4	3	76.0	19	1936.0	1808.0	2.476718
5	2	55.0	19	1101.0	-	3.905843
6	3	86.2	19	1877.0	1178.0	4.373251
7	2	72.5	19	1605.0	-	4.991432
8	2	82.9	19	1947.0	-	5.915381
9	2	90.8	19	1797.0	-	6.696866
10	2	87.2	19	1280.0	-	7.205039
11	2	81.4	19	1902.0	-	8.086610
12	2	57.2	19	1983.0	-	9.511126
13	2	61.9	19	1572.0	-	10.058258
14	2	53.2	19	1743.0	-	10.656484
15	2	93.5	19	1239.0	-	11.451679

Table 36 - FCC Long Pulse Radar (Type 5) Waveform Trial#17 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	96.4	17	1238.0	1618.0	0.546883
2	2	84.0	17	1836.0	-	1.175924
3	1	95.0	17	-	-	1.998770
4	2	59.2	17	1973.0	-	2.976143
5	1	73.5	17	-	-	3.706288
6	1	98.1	17	-	-	4.547079
7	2	81.5	17	1698.0	-	4.820207
8	2	65.8	17	1135.0	-	6.245202
9	2	72.3	17	1262.0	-	6.856650
10	2	50.1	17	1969.0	-	7.992740
11	2	81.4	17	1988.0	-	8.062770
12	1	63.6	17	-	-	9.292191
13	2	94.9	17	1963.0	-	9.782357
14	1	58.0	17	-	-	10.876743
15	2	91.4	17	1301.0	-	11.417350

Table 37 - FCC Long Pulse Radar (Type 5) Waveform Trial#18 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	72.6	7	-	-	0.581251
2	1	97.0	7	-	-	1.425363
3	3	78.8	7	1769.0	1159.0	1.850678
4	2	54.7	7	1433.0	-	3.145447
5	1	93.4	7	-	-	3.733290
6	2	80.8	7	1299.0	-	4.007459
7	2	68.4	7	1514.0	-	5.324588
8	1	97.1	7	-	-	6.203932
9	2	63.6	7	1231.0	-	7.176529
10	1	51.2	7	-	-	7.763105
11	1	73.1	7	-	-	8.669219
12	2	73.9	7	1841.0	-	9.232013
13	2	79.1	7	1750.0	-	9.890250
14	3	89.0	7	1174.0	1851.0	10.463860
15	1	72.6	7	-	-	11.448495

Table 38 - FCC Long Pulse Radar (Type 5) Waveform Trial#19 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	89.0	19	1023.0	1964.0	0.733949
2	3	68.4	19	1030.0	1162.0	0.857611
3	1	66.0	19	-	-	1.992026
4	1	87.1	19	-	-	2.502499
5	2	82.6	19	1008.0	-	3.535238
6	2	64.7	19	1099.0	-	3.932514
7	2	61.3	19	1813.0	-	4.965091
8	1	94.2	19	-	-	5.630878
9	3	65.0	19	1116.0	1168.0	6.712367
10	3	55.2	19	1978.0	1047.0	6.951631
11	2	82.5	19	1184.0	-	7.530667
12	2	72.4	19	1196.0	-	8.521981
13	2	56.6	19	1021.0	-	9.706539
14	2	94.5	19	1801.0	-	10.346870
15	3	97.9	19	1028.0	1893.0	10.793588
16	2	59.5	19	1024.0	-	11.582805

Table 39 - FCC Long Pulse Radar (Type 5) Waveform Trial#20 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	57.2	14	-	-	0.106111
2	2	50.3	14	1011.0	-	0.984441
3	2	59.3	14	1795.0	-	1.270552
4	1	57.2	14	-	-	2.211940
5	2	75.1	14	1538.0	-	2.932487
6	2	95.6	14	1400.0	-	3.468542
7	1	65.7	14	-	-	3.943170
8	3	78.5	14	1594.0	1963.0	4.316164
9	3	96.2	14	1614.0	1757.0	5.072714
10	2	70.5	14	1087.0	-	5.714429
11	2	89.5	14	1675.0	-	6.516679
12	1	79.0	14	-	-	7.166581
13	1	56.1	14	-	-	7.792196
14	1	50.2	14	-	-	7.831099
15	2	60.0	14	1164.0	-	8.876347
16	2	82.3	14	1820.0	-	9.110839
17	2	62.7	14	1537.0	-	9.819246
18	3	99.4	14	1902.0	1969.0	10.671134
19	3	74.7	14	1418.0	1430.0	10.821008
20	2	77.7	14	1970.0	-	11.544007

Table 40 - FCC Long Pulse Radar (Type 5) Waveform Trial#21 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	85.4	19	1593.0	1737.0	0.051532
2	2	78.4	19	1806.0	-	1.158594
3	3	72.8	19	1809.0	1560.0	1.263799
4	2	96.5	19	1416.0	-	2.499791
5	3	97.2	19	1268.0	1483.0	2.880780
6	3	50.3	19	1316.0	1509.0	3.339656
7	2	83.5	19	1119.0	-	4.355454
8	2	77.5	19	1758.0	-	4.668903
9	1	58.5	19	-	-	5.626201
10	2	79.5	19	1641.0	-	5.924396
11	2	64.3	19	1550.0	-	6.836358
12	2	88.6	19	1366.0	-	7.228797
13	1	51.2	19	-	-	7.585667
14	1	97.9	19	-	-	8.398281
15	3	85.6	19	1588.0	1149.0	9.228117
16	3	80.7	19	1482.0	1550.0	9.912573
17	2	80.6	19	1847.0	-	10.134630
18	2	85.8	19	1918.0	-	11.207884
19	2	88.7	19	1386.0	-	11.545769

Table 41 - FCC Long Pulse Radar (Type 5) Waveform Trial#22 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	76.4	10	1203.0	-	0.318268
2	2	73.6	10	1952.0	-	0.890552
3	2	86.0	10	1188.0	-	1.606123
4	1	78.6	10	-	-	2.338087
5	3	76.0	10	1910.0	1834.0	3.098078
6	2	90.6	10	1138.0	-	3.371279
7	1	56.1	10	-	-	3.966417
8	2	72.5	10	1012.0	-	4.471509
9	2	64.5	10	1823.0	-	5.521076
10	3	73.7	10	1896.0	1593.0	6.136003
11	2	64.7	10	1403.0	-	6.906386
12	2	77.6	10	1994.0	-	7.068929
13	1	57.2	10	-	-	7.788185
14	2	63.9	10	1126.0	-	8.545184
15	1	51.0	10	-	-	9.073003
16	2	51.4	10	1603.0	-	9.506452
17	2	88.8	10	1691.0	-	10.503379
18	1	80.6	10	-	-	11.276104
19	2	71.7	10	1089.0	-	11.747032

Table 42 - FCC Long Pulse Radar (Type 5) Waveform Trial#23 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	81.9	13	1105.0	1848.0	0.305425
2	2	69.4	13	1622.0	-	0.905013
3	2	59.0	13	1243.0	-	1.917551
4	2	92.4	13	1845.0	-	2.536258
5	1	51.0	13	-	-	3.122485
6	3	59.6	13	1417.0	1280.0	4.068895
7	2	84.1	13	1567.0	-	4.698158
8	2	85.5	13	1763.0	-	4.990135
9	2	95.4	13	1940.0	-	6.259809
10	2	62.8	13	1120.0	-	7.011292
11	1	55.6	13	-	-	7.340604
12	3	78.8	13	1903.0	1539.0	8.254424
13	3	81.9	13	1846.0	1295.0	9.026398
14	2	83.1	13	1922.0	-	9.242040
15	1	57.5	13	-	-	9.884145
16	2	72.8	13	1073.0	-	10.796825
17	2	80.2	13	1294.0	-	11.530136

Table 43 - FCC Long Pulse Radar (Type 5) Waveform Trial#24 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	95.5	10	1885.0	-	1.172678
2	2	84.5	10	1140.0	-	1.439020
3	3	89.2	10	1176.0	1930.0	3.750037
4	2	94.0	10	1506.0	-	4.459939
5	1	95.9	10	-	-	6.127744
6	1	97.0	10	-	-	7.873858
7	1	71.0	10	-	-	8.065098
8	2	79.1	10	1342.0	-	10.287712
9	2	55.8	10	1231.0	-	10.741608

Table 44 - FCC Long Pulse Radar (Type 5) Waveform Trial#25 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	58.6	6	-	-	0.617495
2	1	93.5	6	-	-	2.014016
3	2	67.8	6	1465.0	-	2.501173
4	2	55.7	6	1285.0	-	4.232056
5	1	79.4	6	-	-	5.375632
6	3	62.5	6	1692.0	1130.0	7.003864
7	3	51.1	6	1804.0	1710.0	7.750916
8	2	87.6	6	1526.0	-	8.867648
9	2	89.5	6	1537.0	-	10.115783
10	2	50.7	6	1043.0	-	11.050525

Table 45 - FCC Long Pulse Radar (Type 5) Waveform Trial#26 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	67.5	12	1619.0	-	0.432652
2	2	71.4	12	1121.0	-	0.846052
3	1	52.8	12	-	-	1.775946
4	2	97.9	12	1093.0	-	2.211185
5	2	82.5	12	1906.0	-	3.317711
6	2	73.7	12	1578.0	-	4.154274
7	3	97.1	12	1605.0	1132.0	4.862078
8	3	75.2	12	1539.0	1918.0	5.240875
9	3	99.1	12	1126.0	1050.0	5.783658
10	3	60.8	12	1897.0	1263.0	7.012163
11	2	63.2	12	1457.0	-	7.101691
12	2	84.1	12	1085.0	-	8.315188
13	2	94.4	12	1741.0	-	8.705771
14	3	79.2	12	1735.0	1408.0	9.683747
15	3	99.9	12	1908.0	1197.0	10.074519
16	3	87.5	12	1108.0	1393.0	10.818142
17	2	70.0	12	1645.0	-	11.559776

Table 46 - FCC Long Pulse Radar (Type 5) Waveform Trial#27 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	98.5	17	1461.0	1100.0	0.701190
2	2	98.5	17	1308.0	-	1.912705
3	1	84.3	17	-	-	2.691439
4	3	64.7	17	1938.0	1024.0	4.034831
5	3	61.7	17	1433.0	1604.0	5.904756
6	3	72.5	17	1629.0	1046.0	7.818529
7	2	74.1	17	1229.0	-	8.295924
8	2	88.7	17	1958.0	-	10.613622
9	2	58.1	17	1293.0	-	11.945261

Table 47 - FCC Long Pulse Radar (Type 5) Waveform Trial#28 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	69.1	19	1447.0	-	0.721478
2	3	58.1	19	1510.0	1642.0	1.535243
3	2	74.6	19	1239.0	-	2.632459
4	2	99.1	19	1592.0	-	4.488507
5	1	91.0	19	-	-	5.355778
6	1	59.6	19	-	-	6.656393
7	2	91.8	19	1230.0	-	7.367177
8	2	68.1	19	1308.0	-	8.995897
9	1	70.6	19	-	-	10.136324
10	3	64.1	19	1739.0	1431.0	11.961749

Table 48 - FCC Long Pulse Radar (Type 5) Waveform Trial#29 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	86.4	18	-	-	0.557496
2	2	96.9	18	1153.0	-	0.675795
3	2	65.1	18	1135.0	-	1.453252
4	1	95.5	18	-	-	1.869944
5	2	73.7	18	1639.0	-	2.452053
6	2	55.4	18	1883.0	-	3.516306
7	2	66.7	18	1202.0	-	3.632635
8	2	59.2	18	1967.0	-	4.712119
9	2	50.0	18	1021.0	-	4.926179
10	3	82.7	18	1930.0	1591.0	5.915761
11	1	66.6	18	-	-	6.388553
12	1	91.8	18	-	-	6.806902
13	3	64.9	18	1889.0	1825.0	7.699072
14	3	78.0	18	1421.0	1988.0	7.901875
15	2	86.0	18	1299.0	-	8.664677
16	3	67.0	18	1559.0	1679.0	9.036439
17	2	76.8	18	1801.0	-	10.111806
18	2	59.2	18	1202.0	-	10.701823
19	3	88.4	18	1228.0	1446.0	10.876113
20	1	59.1	18	-	-	11.715835

Table 49 - FCC Long Pulse Radar (Type 5) Waveform Trial#30 (Detected) 5MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	85.1	7	1652.0	-	0.850894
2	1	60.0	7	-	-	1.585768
3	2	97.1	7	1334.0	-	2.532029
4	2	84.0	7	1227.0	-	3.182980
5	2	88.4	7	1382.0	-	4.222858
6	2	73.0	7	1234.0	-	4.682551
7	1	79.0	7	-	-	5.455650
8	2	71.4	7	1692.0	-	6.288634
9	3	89.2	7	1709.0	1572.0	7.116618
10	2	94.7	7	1961.0	-	8.111509
11	2	91.8	7	1546.0	-	8.857300
12	2	81.0	7	1129.0	-	10.281726
13	1	61.4	7	-	-	10.915416
14	2	56.4	7	1562.0	-	11.589382

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	9	1.0	333.0	Yes	5507.9MHz,-64.0dBm	Hop sequence: 5628, 5527, 5722, 5509, 5300, 5471, 5566, 5724, 5255, 5399, 5328, 5294, 5594, 5680, 5599, 5634, 5345, 5563, 5711, 5467, 5580, 5511, 5386, 5251, 5391, 5655, 5558, 5512, 5659, 5648, 5644, 5359, 5430, 5271, 5629, 5341, 5444, 5682, 5488, 5262, 5340, 5537, 5670, 5607, 5283, 5524, 5669, 5587, 5329, 5649, 5520, 5609, 5613, 5704, 5548, 5312, 5400, 5323, 5437, 5459, 5448, 5419, 5705, 5656, 5369, 5462, 5361, 5532, 5506, 5336, 5614, 5645, 5709, 5307, 5396, 5643, 5726, 5700, 5346, 5615, 5466, 5586, 5653, 5289, 5351, 5438, 5549, 5495, 5686, 5663, 5598, 5397, 5440, 5250, 5436, 5420, 5568, 5356, 5493, 5303 (3 hits)
2	9	1.0	333.0	Yes	5508.9MHz,-64.0dBm	Hop sequence: 5660, 5450, 5368, 5503, 5571, 5401, 5511, 5501, 5302, 5265, 5423, 5412, 5497, 5699, 5291, 5280, 5665, 5479, 5612, 5425, 5672, 5640, 5647, 5549, 5436, 5284, 5445, 5462, 5621, 5615, 5596, 5444, 5561, 5568, 5651, 5374, 5506, 5523, 5273, 5336, 5555, 5449, 5320, 5578, 5343, 5327, 5619, 5551, 5673, 5253, 5718, 5533, 5625, 5487, 5323, 5488, 5476, 5584, 5645, 5627, 5589, 5726, 5572, 5433, 5498, 5380, 5604, 5325, 5427, 5395, 5386, 5443, 5287, 5363, 5654, 5456, 5714, 5638, 5340, 5376, 5683, 5460, 5390, 5438, 5517, 5630, 5675, 5709, 5558, 5334, 5384, 5493, 5527, 5264, 5370, 5400, 5255, 5413, 5473, 5634 (1 hits)
3	9	1.0	333.0	Yes	5509.9MHz,-64.0dBm	Hop sequence: 5606, 5356, 5518, 5704, 5631,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5438, 5583, 5393, 5420, 5281, 5558, 5346, 5266, 5500, 5640, 5720, 5507, 5349, 5421, 5616, 5481, 5298, 5391, 5276, 5314, 5427, 5534, 5675, 5689, 5357, 5401, 5294, 5478, 5460, 5326, 5650, 5703, 5532, 5693, 5319, 5524, 5698, 5284, 5684, 5529, 5259, 5566, 5595, 5463, 5403, 5444, 5305, 5592, 5687, 5596, 5610, 5477, 5407, 5588, 5557, 5462, 5419, 5390, 5665, 5417, 5359, 5607, 5479, 5468, 5649, 5499, 5446, 5647, 5597, 5269, 5442, 5565, 5617, 5547, 5578, 5542, 5627, 5673, 5412, 5306, 5436, 5586, 5367, 5661, 5509, 5608, 5626, 5495, 5511, 5580, 5347, 5633, 5512, 5582, 5638 (3 hits)
4	9	1.0	333.0	Yes	5510.9MHz,-64.0dBm	Hop sequence: 5265, 5324, 5526, 5534, 5401, 5525, 5440, 5395, 5325, 5309, 5388, 5499, 5404, 5515, 5509, 5563, 5405, 5446, 5289, 5627, 5255, 5605, 5618, 5513, 5462, 5302, 5589, 5352, 5529, 5429, 5596, 5623, 5609, 5722, 5547, 5270, 5417, 5280, 5407, 5340, 5540, 5724, 5634, 5510, 5684, 5428, 5502, 5339, 5576, 5579, 5394, 5608, 5636, 5682, 5496, 5657, 5431, 5564, 5710, 5582, 5560, 5501, 5439, 5250, 5637, 5597, 5625, 5444, 5277, 5629, 5480, 5533, 5621, 5353, 5470, 5285, 5654, 5259, 5635, 5475, 5382, 5418, 5675, 5326, 5620, 5402, 5387, 5254, 5514, 5347, 5639, 5649, 5305, 5266, 5273, 5622, 5711, 5550, 5438, 5370 (2 hits)
5	9	1.0	333.0	Yes	5511.9MHz,-64.0dBm	Hop sequence: 5610, 5516, 5250, 5450, 5403, 5261, 5718, 5404, 5615, 5451, 5552, 5252, 5646, 5367, 5349, 5457, 5380,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5562, 5724, 5517, 5338, 5286, 5418, 5485, 5385, 5548, 5629, 5415, 5259, 5283, 5599, 5514, 5339, 5431, 5320, 5505, 5683, 5381, 5585, 5635, 5343, 5445, 5526, 5561, 5474, 5511, 5645, 5723, 5649, 5447, 5330, 5312, 5299, 5678, 5260, 5709, 5494, 5424, 5346, 5577, 5333, 5410, 5643, 5673, 5657, 5705, 5302, 5435, 5497, 5624, 5655, 5396, 5661, 5455, 5539, 5309, 5648, 5407, 5297, 5591, 5630, 5378, 5295, 5609, 5607, 5710, 5547, 5714, 5255, 5456, 5316, 5271, 5664, 5444, 5680, 5572, 5429, 5293, 5695, 5453 (1 hits)
6	9	1.0	333.0	Yes	5512.0MHz,-64.0dBm	Hop sequence: 5325, 5560, 5696, 5585, 5517, 5683, 5670, 5385, 5570, 5619, 5559, 5725, 5339, 5720, 5614, 5608, 5717, 5586, 5288, 5513, 5667, 5407, 5503, 5375, 5337, 5628, 5461, 5387, 5577, 5540, 5524, 5331, 5268, 5549, 5377, 5311, 5464, 5515, 5378, 5463, 5350, 5631, 5672, 5655, 5555, 5583, 5361, 5388, 5338, 5416, 5253, 5710, 5480, 5558, 5449, 5450, 5303, 5724, 5396, 5490, 5319, 5588, 5441, 5528, 5640, 5531, 5542, 5638, 5584, 5454, 5264, 5673, 5478, 5320, 5623, 5691, 5367, 5666, 5392, 5413, 5313, 5341, 5470, 5442, 5676, 5582, 5557, 5598, 5563, 5291, 5363, 5660, 5286, 5574, 5548, 5295, 5390, 5607, 5266, 5512 (1 hits)
7	9	1.0	333.0	Yes	5507.9MHz,-64.0dBm	Hop sequence: 5652, 5463, 5343, 5455, 5255, 5471, 5622, 5340, 5490, 5312, 5611, 5701, 5329, 5367, 5315, 5713, 5599, 5532, 5489, 5292, 5311, 5284, 5461, 5289, 5260, 5612, 5691, 5575, 5288,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5662, 5259, 5709, 5413, 5546, 5398, 5568, 5623, 5629, 5397, 5626, 5538, 5509, 5360, 5500, 5366, 5416, 5686, 5559, 5299, 5362, 5428, 5646, 5515, 5392, 5650, 5396, 5483, 5283, 5388, 5615, 5595, 5671, 5533, 5427, 5654, 5676, 5393, 5273, 5342, 5462, 5602, 5639, 5301, 5673, 5387, 5564, 5275, 5616, 5496, 5572, 5498, 5641, 5314, 5414, 5506, 5614, 5640, 5305, 5327, 5579, 5632, 5465, 5707, 5381, 5453, 5704, 5474, 5606, 5503, 5457 (1 hits)
8	9	1.0	333.0	Yes	5508.9MHz,-64.0dBm	Hop sequence: 5346, 5707, 5649, 5665, 5689, 5528, 5481, 5511, 5356, 5628, 5489, 5594, 5320, 5257, 5268, 5541, 5364, 5608, 5339, 5325, 5423, 5291, 5681, 5463, 5449, 5531, 5277, 5566, 5330, 5328, 5642, 5546, 5348, 5544, 5620, 5521, 5457, 5334, 5604, 5340, 5578, 5615, 5504, 5374, 5323, 5267, 5638, 5254, 5319, 5370, 5447, 5506, 5454, 5495, 5573, 5663, 5696, 5280, 5522, 5312, 5636, 5408, 5570, 5311, 5407, 5617, 5568, 5629, 5484, 5680, 5417, 5510, 5683, 5471, 5630, 5345, 5688, 5296, 5297, 5498, 5406, 5300, 5470, 5385, 5596, 5623, 5690, 5674, 5386, 5253, 5507, 5705, 5416, 5289, 5691, 5359, 5715, 5724, 5490, 5384 (2 hits)
9	9	1.0	333.0	Yes	5509.9MHz,-64.0dBm	Hop sequence: 5270, 5639, 5581, 5469, 5285, 5347, 5419, 5531, 5398, 5504, 5650, 5400, 5609, 5330, 5665, 5364, 5431, 5260, 5346, 5312, 5314, 5564, 5598, 5406, 5467, 5623, 5545, 5459, 5310, 5520, 5298, 5671, 5359, 5672, 5488, 5591, 5478, 5700, 5357, 5447, 5720,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5470, 5620, 5383, 5553, 5575, 5627, 5523, 5717, 5291, 5279, 5337, 5404, 5542, 5461, 5565, 5562, 5658, 5716, 5630, 5636, 5309, 5362, 5421, 5558, 5638, 5341, 5437, 5301, 5540, 5725, 5496, 5264, 5472, 5465, 5376, 5481, 5698, 5702, 5723, 5328, 5646, 5422, 5559, 5427, 5394, 5680, 5653, 5358, 5373, 5283, 5662, 5704, 5455, 5302, 5634, 5644, 5678, 5608, 5510 (1 hits)
10	9	1.0	333.0	Yes	5510.9MHz,-64.0dBm	Hop sequence: 5358, 5455, 5714, 5461, 5479, 5263, 5382, 5673, 5306, 5283, 5687, 5510, 5539, 5642, 5494, 5650, 5604, 5272, 5408, 5608, 5311, 5592, 5274, 5630, 5576, 5655, 5357, 5397, 5474, 5548, 5325, 5578, 5549, 5288, 5280, 5662, 5255, 5514, 5538, 5596, 5531, 5403, 5356, 5487, 5321, 5400, 5299, 5312, 5393, 5707, 5534, 5699, 5313, 5398, 5706, 5251, 5301, 5327, 5383, 5423, 5363, 5266, 5567, 5464, 5320, 5631, 5365, 5351, 5285, 5675, 5519, 5568, 5644, 5414, 5504, 5703, 5611, 5508, 5369, 5316, 5284, 5489, 5672, 5615, 5546, 5647, 5658, 5627, 5618, 5308, 5462, 5656, 5575, 5726, 5307, 5712, 5584, 5273, 5498, 5679 (2 hits)
11	9	1.0	333.0	Yes	5511.9MHz,-64.0dBm	Hop sequence: 5362, 5563, 5433, 5280, 5379, 5440, 5531, 5579, 5604, 5657, 5564, 5357, 5414, 5335, 5641, 5600, 5573, 5638, 5369, 5298, 5558, 5696, 5575, 5437, 5592, 5470, 5716, 5560, 5363, 5507, 5529, 5327, 5306, 5541, 5482, 5308, 5404, 5344, 5688, 5367, 5500, 5293, 5539, 5342, 5464, 5643, 5655, 5347, 5549, 5417, 5626, 5591, 5296,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5528, 5341, 5368, 5607, 5432, 5513, 5534, 5525, 5524, 5302, 5725, 5271, 5326, 5318, 5656, 5559, 5258, 5328, 5365, 5412, 5711, 5548, 5320, 5586, 5676, 5634, 5422, 5689, 5554, 5567, 5479, 5684, 5275, 5679, 5402, 5319, 5661, 5485, 5621, 5578, 5598, 5383, 5399, 5518, 5505, 5421, 5510 (1 hits)
12	9	1.0	333.0	Yes	5512.0MHz,-64.0dBm	Hop sequence: 5684, 5437, 5294, 5581, 5423, 5546, 5544, 5314, 5264, 5342, 5488, 5372, 5503, 5399, 5306, 5646, 5282, 5345, 5284, 5716, 5430, 5665, 5532, 5310, 5571, 5263, 5563, 5458, 5266, 5482, 5667, 5260, 5395, 5250, 5582, 5670, 5520, 5352, 5629, 5574, 5301, 5710, 5450, 5478, 5286, 5523, 5361, 5281, 5353, 5476, 5623, 5279, 5569, 5359, 5499, 5591, 5387, 5625, 5606, 5417, 5660, 5338, 5510, 5535, 5384, 5666, 5642, 5496, 5333, 5474, 5385, 5624, 5564, 5356, 5462, 5398, 5518, 5489, 5508, 5547, 5599, 5413, 5603, 5455, 5296, 5721, 5410, 5589, 5351, 5297, 5652, 5460, 5579, 5540, 5723, 5497, 5693, 5598, 5272, 5299 (2 hits)
13	9	1.0	333.0	Yes	5507.9MHz,-64.0dBm	Hop sequence: 5617, 5549, 5310, 5426, 5615, 5726, 5300, 5590, 5585, 5671, 5430, 5427, 5490, 5454, 5375, 5336, 5425, 5354, 5503, 5363, 5578, 5398, 5400, 5283, 5541, 5299, 5451, 5583, 5481, 5539, 5457, 5264, 5708, 5676, 5472, 5276, 5460, 5379, 5689, 5434, 5433, 5604, 5323, 5436, 5272, 5500, 5554, 5467, 5660, 5384, 5640, 5675, 5565, 5311, 5594, 5693, 5532, 5343, 5492, 5409, 5318, 5319, 5321, 5475, 5619,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5447, 5666, 5335, 5512, 5627, 5373, 5632, 5412, 5634, 5557, 5278, 5370, 5713, 5622, 5315, 5636, 5476, 5516, 5303, 5684, 5525, 5677, 5332, 5546, 5700, 5487, 5376, 5662, 5715, 5673, 5324, 5403, 5553, 5415, 5366 (1 hits)
14	9	1.0	333.0	Yes	5508.9MHz,-64.0dBm	Hop sequence: 5376, 5529, 5507, 5268, 5456, 5617, 5255, 5453, 5533, 5365, 5530, 5677, 5520, 5691, 5685, 5709, 5412, 5542, 5407, 5673, 5302, 5459, 5563, 5699, 5381, 5368, 5584, 5448, 5262, 5509, 5604, 5661, 5502, 5334, 5710, 5494, 5277, 5454, 5347, 5658, 5344, 5663, 5436, 5383, 5670, 5622, 5337, 5416, 5363, 5702, 5648, 5410, 5597, 5362, 5551, 5253, 5501, 5638, 5705, 5689, 5703, 5630, 5343, 5371, 5273, 5545, 5338, 5265, 5263, 5609, 5357, 5440, 5464, 5516, 5565, 5683, 5647, 5721, 5619, 5275, 5576, 5283, 5327, 5659, 5332, 5690, 5514, 5413, 5639, 5390, 5579, 5379, 5414, 5605, 5258, 5422, 5281, 5546, 5278, 5303 (1 hits)
15	9	1.0	333.0	Yes	5509.9MHz,-64.0dBm	Hop sequence: 5642, 5509, 5449, 5263, 5508, 5416, 5507, 5405, 5596, 5559, 5648, 5510, 5703, 5328, 5541, 5406, 5538, 5387, 5392, 5522, 5526, 5705, 5333, 5403, 5413, 5589, 5389, 5258, 5619, 5256, 5710, 5284, 5630, 5346, 5251, 5276, 5334, 5327, 5542, 5339, 5486, 5506, 5322, 5723, 5657, 5299, 5466, 5268, 5605, 5598, 5501, 5375, 5556, 5278, 5558, 5452, 5264, 5574, 5656, 5467, 5678, 5279, 5345, 5374, 5431, 5390, 5613, 5477, 5394, 5691, 5536, 5372, 5623, 5425, 5447, 5551, 5385,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5628, 5618, 5516, 5329, 5320, 5585, 5537, 5424, 5553, 5716, 5363, 5658, 5511, 5637, 5271, 5633, 5554, 5423, 5534, 5622, 5409, 5288, 5696 (4 hits)
16	9	1.0	333.0	Yes	5510.9MHz,-64.0dBm	Hop sequence: 5464, 5377, 5505, 5342, 5611, 5295, 5369, 5635, 5317, 5320, 5641, 5604, 5706, 5683, 5649, 5314, 5545, 5439, 5577, 5524, 5500, 5347, 5673, 5513, 5312, 5624, 5434, 5680, 5482, 5365, 5511, 5374, 5621, 5530, 5506, 5687, 5475, 5420, 5661, 5645, 5344, 5438, 5393, 5657, 5418, 5291, 5658, 5316, 5334, 5315, 5619, 5466, 5629, 5341, 5386, 5422, 5284, 5425, 5607, 5718, 5525, 5266, 5646, 5724, 5457, 5562, 5452, 5590, 5363, 5539, 5670, 5412, 5348, 5333, 5503, 5302, 5274, 5343, 5285, 5689, 5631, 5376, 5615, 5355, 5654, 5620, 5345, 5675, 5263, 5308, 5648, 5536, 5552, 5462, 5494, 5385, 5398, 5651, 5715, 5674 (1 hits)
17	9	1.0	333.0	Yes	5511.9MHz,-64.0dBm	Hop sequence: 5710, 5295, 5392, 5503, 5282, 5567, 5671, 5396, 5692, 5715, 5642, 5415, 5672, 5520, 5391, 5535, 5423, 5584, 5493, 5713, 5327, 5304, 5491, 5670, 5633, 5254, 5459, 5307, 5298, 5313, 5308, 5407, 5457, 5550, 5498, 5649, 5601, 5632, 5582, 5419, 5564, 5473, 5650, 5588, 5370, 5361, 5489, 5354, 5328, 5267, 5580, 5706, 5399, 5501, 5517, 5266, 5325, 5592, 5332, 5682, 5505, 5551, 5482, 5402, 5340, 5395, 5599, 5465, 5538, 5428, 5334, 5591, 5388, 5450, 5574, 5343, 5527, 5464, 5438, 5485, 5557, 5714, 5698, 5261, 5293, 5640, 5673, 5723, 5448,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5597, 5398, 5346, 5363, 5686, 5696, 5724, 5586, 5579, 5526, 5511 (1 hits)
18	9	1.0	333.0	Yes	5512.0MHz,-64.0dBm	Hop sequence: 5355, 5580, 5351, 5526, 5394, 5325, 5410, 5452, 5653, 5605, 5473, 5403, 5638, 5671, 5392, 5626, 5702, 5484, 5696, 5709, 5530, 5445, 5565, 5479, 5557, 5651, 5612, 5558, 5252, 5719, 5273, 5608, 5330, 5302, 5620, 5293, 5390, 5386, 5546, 5335, 5395, 5487, 5287, 5682, 5583, 5361, 5456, 5625, 5512, 5489, 5299, 5668, 5420, 5610, 5271, 5568, 5618, 5624, 5426, 5654, 5679, 5566, 5428, 5657, 5418, 5535, 5532, 5564, 5508, 5667, 5643, 5398, 5377, 5666, 5708, 5385, 5642, 5514, 5314, 5511, 5258, 5644, 5282, 5316, 5396, 5604, 5596, 5509, 5312, 5481, 5573, 5697, 5555, 5504, 5294, 5449, 5326, 5595, 5541, 5690 (4 hits)
19	9	1.0	333.0	Yes	5507.9MHz,-64.0dBm	Hop sequence: 5490, 5375, 5641, 5281, 5384, 5615, 5695, 5619, 5710, 5465, 5717, 5408, 5517, 5611, 5529, 5650, 5699, 5463, 5679, 5428, 5361, 5431, 5526, 5651, 5622, 5485, 5708, 5443, 5456, 5293, 5419, 5510, 5637, 5327, 5596, 5516, 5250, 5716, 5277, 5486, 5282, 5377, 5367, 5373, 5508, 5643, 5273, 5653, 5342, 5481, 5360, 5684, 5535, 5642, 5355, 5646, 5606, 5515, 5476, 5296, 5633, 5725, 5500, 5518, 5382, 5267, 5422, 5432, 5366, 5467, 5655, 5723, 5557, 5534, 5374, 5628, 5498, 5521, 5447, 5540, 5587, 5409, 5560, 5259, 5631, 5307, 5533, 5369, 5594, 5280, 5531, 5505, 5308, 5493, 5438, 5424, 5364, 5721, 5439, 5563 (2 hits)

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
20	9	1.0	333.0	Yes	5508.9MHz,-64.0dBm	Hop sequence: 5650, 5556, 5552, 5704, 5519, 5528, 5383, 5423, 5276, 5300, 5307, 5391, 5504, 5553, 5299, 5501, 5586, 5432, 5691, 5370, 5295, 5644, 5474, 5445, 5453, 5382, 5439, 5345, 5699, 5323, 5559, 5613, 5547, 5481, 5615, 5624, 5512, 5372, 5506, 5387, 5274, 5458, 5468, 5708, 5649, 5488, 5264, 5419, 5315, 5598, 5284, 5694, 5560, 5320, 5604, 5416, 5529, 5281, 5255, 5600, 5260, 5707, 5384, 5489, 5520, 5434, 5635, 5466, 5402, 5515, 5293, 5438, 5684, 5643, 5426, 5500, 5339, 5306, 5461, 5400, 5340, 5511, 5711, 5599, 5526, 5460, 5537, 5638, 5331, 5582, 5527, 5673, 5676, 5353, 5715, 5646, 5450, 5660, 5322, 5661 (2 hits)
21	9	1.0	333.0	Yes	5509.9MHz,-64.0dBm	Hop sequence: 5693, 5593, 5253, 5619, 5691, 5654, 5489, 5440, 5596, 5575, 5368, 5515, 5578, 5432, 5334, 5599, 5318, 5608, 5304, 5424, 5687, 5473, 5275, 5448, 5651, 5270, 5391, 5597, 5631, 5650, 5662, 5396, 5613, 5398, 5369, 5428, 5418, 5375, 5655, 5616, 5285, 5475, 5709, 5320, 5541, 5327, 5544, 5547, 5614, 5386, 5649, 5536, 5256, 5700, 5712, 5392, 5441, 5458, 5528, 5664, 5434, 5607, 5680, 5401, 5408, 5682, 5602, 5350, 5543, 5306, 5479, 5570, 5251, 5250, 5720, 5359, 5367, 5645, 5694, 5297, 5445, 5490, 5542, 5380, 5673, 5423, 5561, 5531, 5505, 5295, 5491, 5591, 5587, 5449, 5652, 5303, 5563, 5336, 5276, 5508 (1 hits)
22	9	1.0	333.0	Yes	5510.9MHz,-64.0dBm	Hop sequence: 5648, 5716, 5675, 5271, 5528, 5683, 5301, 5574, 5255,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5572, 5262, 5302, 5422, 5653, 5405, 5386, 5288, 5560, 5350, 5357, 5283, 5438, 5536, 5626, 5666, 5382, 5579, 5495, 5427, 5467, 5432, 5287, 5554, 5419, 5546, 5337, 5613, 5676, 5316, 5687, 5511, 5665, 5391, 5304, 5594, 5588, 5325, 5673, 5631, 5397, 5413, 5254, 5333, 5632, 5509, 5627, 5692, 5392, 5312, 5703, 5406, 5461, 5354, 5423, 5464, 5557, 5578, 5403, 5268, 5493, 5291, 5430, 5469, 5612, 5526, 5349, 5701, 5421, 5387, 5305, 5279, 5490, 5492, 5361, 5335, 5590, 5562, 5706, 5688, 5369, 5256, 5455, 5341, 5336, 5569, 5374, 5266, 5401, 5677, 5591 (2 hits)
23	9	1.0	333.0	Yes	5511.9MHz,-64.0dBm	Hop sequence: 5324, 5379, 5279, 5674, 5672, 5503, 5553, 5578, 5504, 5359, 5651, 5474, 5423, 5256, 5559, 5445, 5654, 5534, 5660, 5684, 5482, 5615, 5462, 5298, 5530, 5268, 5596, 5720, 5353, 5715, 5539, 5575, 5471, 5259, 5271, 5301, 5495, 5631, 5657, 5345, 5326, 5691, 5551, 5485, 5387, 5469, 5571, 5311, 5255, 5448, 5408, 5547, 5480, 5275, 5565, 5532, 5261, 5450, 5369, 5437, 5724, 5398, 5451, 5251, 5361, 5483, 5550, 5581, 5521, 5331, 5608, 5708, 5455, 5710, 5537, 5333, 5598, 5506, 5652, 5576, 5461, 5438, 5434, 5370, 5677, 5465, 5610, 5535, 5425, 5381, 5270, 5262, 5556, 5700, 5355, 5572, 5377, 5701, 5704, 5512 (1 hits)
24	9	1.0	333.0	Yes	5512.0MHz,-64.0dBm	Hop sequence: 5500, 5345, 5677, 5434, 5697, 5340, 5442, 5299, 5273, 5711, 5574, 5533, 5695, 5544, 5538, 5457, 5717, 5474, 5444, 5586, 5312,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5362, 5607, 5666, 5722, 5301, 5334, 5606, 5637, 5649, 5281, 5267, 5258, 5478, 5492, 5617, 5432, 5475, 5257, 5408, 5506, 5520, 5280, 5316, 5570, 5687, 5263, 5654, 5403, 5702, 5398, 5375, 5437, 5631, 5707, 5477, 5439, 5396, 5503, 5336, 5264, 5699, 5327, 5502, 5669, 5310, 5516, 5655, 5646, 5694, 5397, 5716, 5410, 5376, 5360, 5692, 5526, 5559, 5720, 5548, 5703, 5353, 5278, 5719, 5337, 5670, 5470, 5530, 5620, 5417, 5667, 5673, 5348, 5259, 5416, 5613, 5463, 5298, 5411, 5512 (1 hits)
25	9	1.0	333.0	Yes	5507.9MHz,-64.0dBm	Hop sequence: 5673, 5299, 5561, 5390, 5609, 5703, 5430, 5337, 5625, 5548, 5684, 5263, 5617, 5363, 5659, 5526, 5551, 5517, 5724, 5606, 5312, 5349, 5374, 5711, 5614, 5435, 5305, 5370, 5665, 5434, 5524, 5465, 5509, 5537, 5404, 5562, 5389, 5378, 5688, 5599, 5268, 5656, 5468, 5394, 5616, 5566, 5510, 5343, 5279, 5514, 5377, 5541, 5496, 5638, 5581, 5725, 5442, 5633, 5503, 5515, 5372, 5560, 5421, 5584, 5333, 5454, 5626, 5344, 5675, 5677, 5565, 5469, 5391, 5361, 5499, 5492, 5301, 5258, 5655, 5474, 5392, 5466, 5709, 5708, 5545, 5573, 5347, 5306, 5722, 5511, 5483, 5547, 5618, 5627, 5559, 5457, 5323, 5700, 5264, 5600 (3 hits)
26	9	1.0	333.0	Yes	5508.9MHz,-64.0dBm	Hop sequence: 5556, 5551, 5569, 5642, 5276, 5429, 5641, 5510, 5590, 5335, 5340, 5521, 5674, 5628, 5419, 5316, 5437, 5557, 5684, 5571, 5614, 5595, 5602, 5619, 5460, 5366, 5283, 5478, 5707, 5387, 5670, 5565, 5650,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5568, 5402, 5579, 5484, 5412, 5586, 5453, 5584, 5430, 5668, 5313, 5522, 5372, 5287, 5694, 5519, 5282, 5271, 5323, 5558, 5443, 5518, 5550, 5696, 5717, 5601, 5596, 5348, 5297, 5331, 5380, 5648, 5539, 5663, 5511, 5339, 5682, 5324, 5252, 5637, 5646, 5704, 5536, 5351, 5367, 5427, 5333, 5371, 5321, 5262, 5444, 5354, 5421, 5364, 5689, 5683, 5592, 5499, 5534, 5651, 5634, 5553, 5604, 5284, 5477, 5655, 5488 (2 hits)
27	9	1.0	333.0	Yes	5509.9MHz,-64.0dBm	Hop sequence: 5634, 5683, 5695, 5510, 5344, 5610, 5464, 5263, 5493, 5371, 5436, 5399, 5403, 5295, 5311, 5580, 5501, 5273, 5491, 5601, 5423, 5688, 5685, 5600, 5559, 5389, 5682, 5721, 5317, 5655, 5327, 5535, 5594, 5632, 5624, 5478, 5448, 5475, 5509, 5404, 5411, 5476, 5366, 5722, 5568, 5639, 5618, 5343, 5567, 5338, 5356, 5417, 5492, 5540, 5321, 5266, 5298, 5280, 5418, 5702, 5457, 5294, 5262, 5545, 5505, 5352, 5627, 5337, 5286, 5651, 5667, 5391, 5506, 5673, 5367, 5424, 5578, 5693, 5597, 5309, 5668, 5421, 5719, 5543, 5307, 5290, 5581, 5558, 5590, 5674, 5422, 5416, 5326, 5306, 5485, 5281, 5331, 5255, 5377, 5524 (2 hits)
28	9	1.0	333.0	Yes	5510.9MHz,-64.0dBm	Hop sequence: 5481, 5424, 5491, 5656, 5579, 5505, 5671, 5496, 5360, 5630, 5460, 5660, 5714, 5532, 5471, 5545, 5662, 5440, 5280, 5343, 5692, 5346, 5377, 5445, 5558, 5657, 5717, 5582, 5252, 5405, 5426, 5725, 5311, 5640, 5553, 5260, 5444, 5326, 5499, 5482, 5334, 5652, 5404, 5595, 5258,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5437, 5428, 5611, 5712, 5539, 5648, 5345, 5475, 5564, 5447, 5467, 5379, 5285, 5596, 5675, 5691, 5421, 5476, 5534, 5527, 5549, 5540, 5575, 5697, 5384, 5507, 5399, 5269, 5677, 5439, 5571, 5646, 5701, 5667, 5282, 5304, 5425, 5550, 5315, 5321, 5645, 5333, 5464, 5366, 5634, 5455, 5429, 5478, 5290, 5663, 5617, 5458, 5274, 5605, 5508 (1 hits)
29	9	1.0	333.0	Yes	5511.9MHz,-64.0dBm	Hop sequence: 5723, 5476, 5648, 5346, 5533, 5265, 5431, 5341, 5574, 5386, 5314, 5706, 5575, 5591, 5684, 5512, 5457, 5716, 5410, 5321, 5279, 5544, 5713, 5260, 5524, 5288, 5633, 5661, 5252, 5442, 5506, 5462, 5496, 5300, 5665, 5426, 5557, 5619, 5254, 5334, 5363, 5296, 5624, 5555, 5640, 5616, 5668, 5374, 5435, 5600, 5664, 5563, 5414, 5427, 5550, 5711, 5267, 5478, 5317, 5390, 5258, 5484, 5470, 5508, 5487, 5532, 5548, 5289, 5721, 5404, 5411, 5301, 5630, 5601, 5642, 5651, 5570, 5519, 5407, 5268, 5308, 5498, 5445, 5514, 5479, 5382, 5486, 5309, 5714, 5452, 5302, 5638, 5626, 5263, 5394, 5398, 5510, 5589, 5688, 5596 (3 hits)
30	9	1.0	333.0	Yes	5512.0MHz,-64.0dBm	Hop sequence: 5593, 5448, 5530, 5559, 5430, 5272, 5472, 5610, 5363, 5500, 5331, 5685, 5540, 5574, 5714, 5537, 5391, 5661, 5446, 5579, 5523, 5526, 5307, 5637, 5552, 5256, 5692, 5466, 5410, 5436, 5318, 5484, 5626, 5524, 5495, 5601, 5492, 5412, 5501, 5517, 5262, 5317, 5346, 5449, 5485, 5581, 5533, 5719, 5340, 5589, 5372, 5609, 5672, 5558, 5330, 5357, 5459,

Table 50 - FCC frequency hopping radar (Type 6) Results 5MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5677, 5434, 5656, 5636, 5544, 5723, 5414, 5418, 5416, 5659, 5477, 5602, 5564, 5496, 5624, 5604, 5667, 5475, 5314, 5702, 5308, 5458, 5342, 5555, 5535, 5327, 5452, 5338, 5603, 5376, 5408, 5658, 5407, 5387, 5595, 5251, 5326, 5440, 5375, 5373, 5662, 5290, 5510 (1 hits)

Table 51 - Detection Bandwidth Measurements (Bandwidth: ± 4.1 MHz) 10MHz

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5505.80 MHz	0	2	0
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5505.90 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5506.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5507.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5508.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5509.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5510.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5511.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5512.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5513.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5514.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5514.10 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5514.20 MHz	3	2	60

Table 2 - Summary of All Results 10MHz

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1A)	100.0 %	60.0 %	15	PASSED
FCC Short Pulse Radar (Type 1B)	100.0 %	60.0 %	15	PASSED
FCC Short Pulse Radar (Type 2)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	100.0 %	60.0 %	30	PASSED
Aggregate of above results	100.0 %	80.0 %	120	PASSED
FCC Long Pulse Radar (Type 5)	100.0 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	30	PASSED

Table 52 - FCC Short Pulse Radar (Type 1A) Results 10MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	72	1.0	738.0	Yes	5510.0MHz,-63.0dBm	Single burst
2	86	1.0	618.0	Yes	5511.5MHz,-63.0dBm	Single burst
3	57	1.0	938.0	Yes	5513.1MHz,-63.0dBm	Single burst
4	74	1.0	718.0	Yes	5514.1MHz,-63.0dBm	Single burst
5	68	1.0	778.0	Yes	5505.9MHz,-63.0dBm	Single burst
6	61	1.0	878.0	Yes	5505.9MHz,-63.0dBm	Single burst
7	92	1.0	578.0	Yes	5507.3MHz,-63.0dBm	Single burst
8	65	1.0	818.0	Yes	5508.8MHz,-63.0dBm	Single burst
9	95	1.0	558.0	Yes	5510.3MHz,-63.0dBm	Single burst
10	99	1.0	538.0	Yes	5511.9MHz,-63.0dBm	Single burst
11	67	1.0	798.0	Yes	5513.2MHz,-63.0dBm	Single burst
12	58	1.0	918.0	Yes	5514.1MHz,-63.0dBm	Single burst
13	62	1.0	858.0	Yes	5505.9MHz,-63.0dBm	Single burst
14	63	1.0	838.0	Yes	5506.9MHz,-63.0dBm	Single burst
15	81	1.0	658.0	Yes	5508.0MHz,-63.0dBm	Single burst

Table 53 - FCC Short Pulse Radar (Type 1B) Results 10MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	31	1.0	1741.0	Yes	5510.0MHz,-63.0dBm	Single burst
2	55	1.0	966.0	Yes	5512.0MHz,-63.0dBm	Single burst
3	68	1.0	786.0	Yes	5513.4MHz,-63.0dBm	Single burst
4	51	1.0	1053.0	Yes	5514.1MHz,-63.0dBm	Single burst
5	70	1.0	760.0	Yes	5505.9MHz,-63.0dBm	Single burst
6	44	1.0	1210.0	Yes	5506.2MHz,-63.0dBm	Single burst
7	25	1.0	2170.0	Yes	5508.1MHz,-63.0dBm	Single burst
8	23	1.0	2339.0	Yes	5509.5MHz,-63.0dBm	Single burst
9	31	1.0	1704.0	Yes	5511.0MHz,-63.0dBm	Single burst
10	20	1.0	2739.0	Yes	5512.6MHz,-63.0dBm	Single burst
11	29	1.0	1839.0	Yes	5514.1MHz,-63.0dBm	Single burst
12	18	1.0	2988.0	Yes	5505.9MHz,-63.0dBm	Single burst
13	22	1.0	2408.0	Yes	5506.6MHz,-63.0dBm	Single burst
14	27	1.0	1993.0	Yes	5507.7MHz,-63.0dBm	Single burst
15	20	1.0	2639.0	Yes	5509.2MHz,-63.0dBm	Single burst

Table 54 - FCC Short Pulse Radar (Type 2) Results 10MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	29	2.0	167.0	Yes	5510.0MHz,-63.0dBm	Single burst
2	24	1.8	200.0	Yes	5511.7MHz,-63.0dBm	Single burst
3	27	2.6	223.0	Yes	5513.3MHz,-63.0dBm	Single burst
4	26	2.3	160.0	Yes	5514.1MHz,-63.0dBm	Single burst
5	29	1.4	217.0	Yes	5505.9MHz,-63.0dBm	Single burst
6	29	4.3	206.0	Yes	5506.7MHz,-63.0dBm	Single burst
7	26	1.1	198.0	Yes	5508.7MHz,-63.0dBm	Single burst
8	28	1.7	222.0	Yes	5510.6MHz,-63.0dBm	Single burst
9	26	2.0	207.0	Yes	5512.4MHz,-63.0dBm	Single burst
10	25	1.6	171.0	Yes	5513.7MHz,-63.0dBm	Single burst
11	25	3.9	222.0	Yes	5514.1MHz,-63.0dBm	Single burst
12	25	4.9	222.0	Yes	5505.9MHz,-63.0dBm	Single burst
13	23	3.3	176.0	Yes	5506.6MHz,-63.0dBm	Single burst
14	28	1.4	165.0	Yes	5508.1MHz,-63.0dBm	Single burst
15	29	2.4	200.0	Yes	5509.1MHz,-63.0dBm	Single burst
16	26	2.4	192.0	Yes	5510.3MHz,-63.0dBm	Single burst
17	28	4.1	204.0	Yes	5511.6MHz,-63.0dBm	Single burst
18	26	2.9	200.0	Yes	5513.0MHz,-63.0dBm	Single burst
19	28	4.7	168.0	Yes	5514.1MHz,-63.0dBm	Single burst
20	27	3.7	185.0	Yes	5514.1MHz,-63.0dBm	Single burst
21	26	1.8	215.0	Yes	5505.9MHz,-63.0dBm	Single burst
22	27	2.6	206.0	Yes	5506.5MHz,-63.0dBm	Single burst
23	27	4.5	180.0	Yes	5507.9MHz,-63.0dBm	Single burst
24	25	3.4	193.0	Yes	5509.4MHz,-63.0dBm	Single burst
25	28	3.4	211.0	Yes	5511.4MHz,-63.0dBm	Single burst
26	26	4.7	205.0	Yes	5512.7MHz,-63.0dBm	Single burst
27	29	4.7	150.0	Yes	5514.1MHz,-63.0dBm	Single burst
28	28	1.1	169.0	Yes	5505.9MHz,-63.0dBm	Single burst
29	28	4.9	225.0	Yes	5506.1MHz,-63.0dBm	Single burst
30	26	1.9	210.0	Yes	5508.0MHz,-63.0dBm	Single burst

Table 55 - FCC Short Pulse Radar (Type 3) Results 10MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	17	6.9	252.0	Yes	5510.0MHz,-63.0dBm	Single burst
2	16	9.7	275.0	Yes	5511.8MHz,-63.0dBm	Single burst
3	17	6.8	484.0	Yes	5513.4MHz,-63.0dBm	Single burst
4	18	8.9	248.0	Yes	5514.1MHz,-63.0dBm	Single burst
5	17	6.1	321.0	Yes	5505.9MHz,-63.0dBm	Single burst
6	17	7.1	433.0	Yes	5506.2MHz,-63.0dBm	Single burst
7	17	9.8	455.0	Yes	5507.9MHz,-63.0dBm	Single burst
8	17	9.5	205.0	Yes	5509.5MHz,-63.0dBm	Single burst
9	17	6.2	248.0	Yes	5511.3MHz,-63.0dBm	Single burst
10	16	9.9	437.0	Yes	5512.7MHz,-63.0dBm	Single burst
11	17	8.6	389.0	Yes	5514.1MHz,-63.0dBm	Single burst
12	17	9.6	254.0	Yes	5505.9MHz,-63.0dBm	Single burst
13	16	7.7	312.0	Yes	5506.3MHz,-63.0dBm	Single burst
14	17	6.2	395.0	Yes	5507.9MHz,-63.0dBm	Single burst
15	17	9.8	212.0	Yes	5509.5MHz,-63.0dBm	Single burst
16	18	7.5	472.0	Yes	5511.0MHz,-63.0dBm	Single burst
17	17	8.8	348.0	Yes	5512.3MHz,-63.0dBm	Single burst
18	17	9.5	300.0	Yes	5514.0MHz,-63.0dBm	Single burst
19	18	6.5	480.0	Yes	5514.1MHz,-63.0dBm	Single burst
20	18	8.3	472.0	Yes	5505.9MHz,-63.0dBm	Single burst
21	18	7.2	435.0	Yes	5506.1MHz,-63.0dBm	Single burst
22	17	8.6	378.0	Yes	5507.3MHz,-63.0dBm	Single burst
23	17	9.6	237.0	Yes	5508.3MHz,-63.0dBm	Single burst
24	18	6.7	333.0	Yes	5509.7MHz,-63.0dBm	Single burst
25	18	6.9	266.0	Yes	5511.1MHz,-63.0dBm	Single burst
26	16	6.2	309.0	Yes	5512.7MHz,-63.0dBm	Single burst
27	17	9.4	304.0	Yes	5514.1MHz,-63.0dBm	Single burst
28	17	9.7	254.0	Yes	5505.9MHz,-63.0dBm	Single burst
29	18	7.4	282.0	Yes	5506.1MHz,-63.0dBm	Single burst
30	16	9.3	245.0	Yes	5507.6MHz,-63.0dBm	Single burst

Table 56 - FCC Short Pulse Radar (Type 4) Results 10MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	16	11.7	315.0	Yes	5510.0MHz,-63.0dBm	Single burst
2	13	11.6	265.0	Yes	5511.9MHz,-63.0dBm	Single burst
3	12	11.1	216.0	Yes	5513.3MHz,-63.0dBm	Single burst
4	15	12.7	413.0	Yes	5514.1MHz,-63.0dBm	Single burst
5	12	11.4	306.0	Yes	5505.9MHz,-63.0dBm	Single burst
6	14	11.8	499.0	Yes	5506.2MHz,-63.0dBm	Single burst
7	12	19.6	468.0	Yes	5507.2MHz,-63.0dBm	Single burst
8	13	15.6	398.0	Yes	5508.7MHz,-63.0dBm	Single burst
9	13	18.0	212.0	Yes	5510.5MHz,-63.0dBm	Single burst
10	13	15.1	481.0	Yes	5511.6MHz,-63.0dBm	Single burst
11	14	14.3	446.0	Yes	5512.6MHz,-63.0dBm	Single burst
12	16	16.6	441.0	Yes	5513.9MHz,-63.0dBm	Single burst
13	13	18.5	260.0	Yes	5514.1MHz,-63.0dBm	Single burst
14	13	11.7	371.0	Yes	5505.9MHz,-63.0dBm	Single burst
15	14	11.7	375.0	Yes	5506.6MHz,-63.0dBm	Single burst
16	16	18.7	217.0	Yes	5508.1MHz,-63.0dBm	Single burst
17	12	14.8	246.0	Yes	5509.3MHz,-63.0dBm	Single burst
18	14	12.9	273.0	Yes	5510.4MHz,-63.0dBm	Single burst
19	15	15.2	222.0	Yes	5512.1MHz,-63.0dBm	Single burst
20	15	19.9	398.0	Yes	5514.0MHz,-63.0dBm	Single burst
21	14	18.3	444.0	Yes	5514.1MHz,-63.0dBm	Single burst
22	16	18.4	491.0	Yes	5505.9MHz,-63.0dBm	Single burst
23	13	11.1	383.0	Yes	5507.0MHz,-63.0dBm	Single burst
24	15	13.3	288.0	Yes	5508.4MHz,-63.0dBm	Single burst
25	15	15.6	238.0	Yes	5509.5MHz,-63.0dBm	Single burst
26	13	11.7	226.0	Yes	5510.7MHz,-63.0dBm	Single burst
27	13	15.2	322.0	Yes	5511.9MHz,-63.0dBm	Single burst
28	13	17.8	288.0	Yes	5513.0MHz,-63.0dBm	Single burst
29	12	13.9	381.0	Yes	5514.0MHz,-63.0dBm	Single burst
30	13	14.2	236.0	Yes	5514.1MHz,-63.0dBm	Single burst

Table 57 - FCC Long Pulse Radar (Type 5) Waveform Summary 10MHz

FCC Long Pulse Radar (Type 5) Trial	Result	Frequency, Level
Trial #1	Detected	5510.0MHz, -63.0dBm
Trial #2	Detected	5510.0MHz, -63.0dBm
Trial #3	Detected	5510.0MHz, -63.0dBm
Trial #4	Detected	5510.0MHz, -63.0dBm
Trial #5	Detected	5510.0MHz, -63.0dBm
Trial #6	Detected	5510.0MHz, -63.0dBm
Trial #7	Detected	5510.0MHz, -63.0dBm
Trial #8	Detected	5510.0MHz, -63.0dBm
Trial #9	Detected	5510.0MHz, -63.0dBm
Trial #10	Detected	5510.0MHz, -63.0dBm
Trial #11	Detected	5508.7MHz, -63.0dBm
Trial #12	Detected	5510.0MHz, -63.0dBm
Trial #13	Detected	5510.0MHz, -63.0dBm
Trial #14	Detected	5509.9MHz, -63.0dBm
Trial #15	Detected	5510.0MHz, -63.0dBm
Trial #16	Detected	5510.0MHz, -63.0dBm
Trial #17	Detected	5510.0MHz, -63.0dBm
Trial #18	Detected	5510.0MHz, -63.0dBm
Trial #19	Detected	5510.0MHz, -63.0dBm
Trial #20	Detected	5510.0MHz, -63.0dBm
Trial #21	Detected	5511.7MHz, -63.0dBm
Trial #22	Detected	5510.9MHz, -63.0dBm
Trial #23	Detected	5511.7MHz, -63.0dBm
Trial #24	Detected	5510.0MHz, -63.0dBm
Trial #25	Detected	5511.3MHz, -63.0dBm
Trial #26	Detected	5510.0MHz, -63.0dBm
Trial #27	Detected	5510.0MHz, -63.0dBm
Trial #28	Detected	5510.0MHz, -63.0dBm
Trial #29	Detected	5511.7MHz, -63.0dBm
Trial #30	Detected	5510.9MHz, -63.0dBm

The frequency is fixed for trials 1-10. For trials 11-30 the radar frequency varies for the remainder of the trials such that 90% of the chirp is within the occupied bandwidth¹. This is in accordance with FCC KDB 905462 D02 7.8.4.2. The actual frequency for trials 11-30 are randomly selected based on the occupied bandwidth of the device and the chirp frequency for each trial. Trials 11-20 are performed with the radar frequency in the lower half of the occupied bandwidth and trials 21-30 are performed with the radar frequency in the upper half of the occupied bandwidth. For example, trial 11 used a chirp width of 7 MHz, 40% of 7 is 2.8 MHz, therefore the radar frequency is set to 5508.7 MHz (5505.9+2.8).

¹ Note that if the chirp width exceeds ½ of the occupied bandwidth, less than 90% of the chirp range may be within the occupied bandwidth.

Table 58 - FCC Long Pulse Radar (Type 5) Waveform Trial#1 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	79.0	12	1684.0	-	0.275951
2	2	56.3	12	1897.0	-	1.033811
3	2	94.6	12	1725.0	-	1.384765
4	1	69.8	12	-	-	2.038121
5	1	55.5	12	-	-	2.766296
6	3	81.8	12	1854.0	1013.0	3.162705
7	2	66.5	12	1208.0	-	3.988209
8	3	81.3	12	1179.0	1718.0	4.688296
9	2	98.6	12	1809.0	-	5.403202
10	2	93.6	12	1317.0	-	6.300069
11	2	52.7	12	1324.0	-	6.800381
12	3	94.8	12	1770.0	1828.0	7.096055
13	2	80.1	12	1326.0	-	7.945002
14	2	57.0	12	1001.0	-	8.331184
15	3	77.8	12	1761.0	1917.0	8.869311
16	1	92.5	12	-	-	10.100924
17	1	67.6	12	-	-	10.260941
18	2	63.4	12	1333.0	-	10.874987
19	3	73.4	12	1768.0	1699.0	11.551656

Table 59 - FCC Long Pulse Radar (Type 5) Waveform Trial#2 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	58.9	8	1093.0	1421.0	0.069940
2	1	99.7	8	-	-	2.934795
3	1	59.9	8	-	-	4.235458
4	1	59.7	8	-	-	4.791424
5	2	59.5	8	1528.0	-	6.346309
6	1	87.8	8	-	-	8.361338
7	2	51.4	8	1023.0	-	9.249709
8	2	76.0	8	1925.0	-	11.092995

Table 60 - FCC Long Pulse Radar (Type 5) Waveform Trial#3 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	80.2	15	1031.0	-	0.851829
2	2	87.8	15	1552.0	-	1.695239
3	2	80.9	15	1154.0	-	2.842047
4	2	67.9	15	1248.0	-	4.795755
5	3	54.5	15	1663.0	1825.0	5.514956
6	1	73.3	15	-	-	6.535979
7	1	87.2	15	-	-	7.625469
8	2	89.6	15	1827.0	-	9.345673
9	2	86.2	15	1399.0	-	9.755585
10	2	89.2	15	1998.0	-	11.725775

Table 61 - FCC Long Pulse Radar (Type 5) Waveform Trial#4 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	76.8	15	-	-	0.169377
2	1	60.2	15	-	-	1.070903
3	3	74.4	15	1161.0	1916.0	1.410566
4	2	78.2	15	1207.0	-	2.618754
5	2	88.7	15	1808.0	-	3.127868
6	2	51.6	15	1456.0	-	3.759157
7	2	81.8	15	1026.0	-	4.569977
8	3	78.4	15	1977.0	1650.0	5.183184
9	1	69.9	15	-	-	5.732240
10	2	90.9	15	1349.0	-	6.321999
11	1	99.0	15	-	-	6.775174
12	1	60.4	15	-	-	7.472403
13	3	77.7	15	1143.0	1114.0	8.220085
14	2	65.5	15	1387.0	-	8.784392
15	2	88.5	15	1555.0	-	9.820787
16	3	78.0	15	1759.0	1447.0	10.149151
17	3	84.6	15	1417.0	1841.0	11.014953
18	1	84.9	15	-	-	11.571457

Table 62 - FCC Long Pulse Radar (Type 5) Waveform Trial#5 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	99.6	9	1277.0	1013.0	0.299885
2	3	58.1	9	1884.0	1358.0	1.436909
3	2	75.1	9	1286.0	-	2.724934
4	2	86.6	9	1704.0	-	4.766258
5	1	81.4	9	-	-	5.725935
6	2	52.2	9	1971.0	-	6.333943
7	2	72.2	9	1119.0	-	7.549435
8	1	88.7	9	-	-	8.827881
9	1	91.6	9	-	-	10.308327
10	2	69.0	9	1241.0	-	11.218883

Table 63 - FCC Long Pulse Radar (Type 5) Waveform Trial#6 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	94.9	14	1134.0	1557.0	0.602121
2	2	93.8	14	1085.0	-	1.502255
3	1	93.2	14	-	-	2.707157
4	2	84.8	14	1779.0	-	4.034891
5	2	83.4	14	1365.0	-	4.403775
6	2	54.4	14	1745.0	-	5.512127
7	1	84.6	14	-	-	7.442784
8	2	52.6	14	1633.0	-	7.973874
9	1	67.2	14	-	-	9.660070
10	3	89.3	14	1601.0	1078.0	10.533129
11	1	57.4	14	-	-	11.626983

Table 64 - FCC Long Pulse Radar (Type 5) Waveform Trial#7 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	83.3	16	-	-	0.679093
2	2	51.1	16	1638.0	-	1.349838
3	3	74.2	16	1162.0	1924.0	2.205086
4	1	72.6	16	-	-	2.888519
5	2	98.5	16	1449.0	-	3.326198
6	3	93.3	16	1546.0	1424.0	4.430566
7	1	88.1	16	-	-	4.644273
8	3	97.6	16	1716.0	1887.0	5.286715
9	2	61.6	16	1122.0	-	6.074271
10	2	61.3	16	1057.0	-	6.941603
11	2	66.1	16	1239.0	-	7.878306
12	1	81.1	16	-	-	8.482969
13	2	75.5	16	1429.0	-	9.071990
14	3	84.6	16	1648.0	1023.0	9.979518
15	3	61.3	16	1488.0	1656.0	10.698268
16	1	98.2	16	-	-	11.389286

Table 65 - FCC Long Pulse Radar (Type 5) Waveform Trial#8 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	95.8	14	1712.0	-	0.240236
2	1	60.9	14	-	-	1.382936
3	1	80.4	14	-	-	3.744474
4	2	64.7	14	1042.0	-	5.145080
5	3	85.4	14	1929.0	1626.0	6.201761
6	2	94.9	14	1277.0	-	7.658010
7	1	84.6	14	-	-	8.177490
8	2	70.1	14	1367.0	-	9.691888
9	2	98.0	14	1096.0	-	11.155416

Table 66 - FCC Long Pulse Radar (Type 5) Waveform Trial#9 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	96.7	14	-	-	0.079569
2	1	54.7	14	-	-	1.278213
3	2	73.6	14	1781.0	-	2.138840
4	2	76.3	14	1804.0	-	2.895977
5	3	50.2	14	1792.0	1554.0	3.592550
6	2	59.9	14	1545.0	-	4.388348
7	2	97.9	14	1715.0	-	5.129064
8	2	69.6	14	1150.0	-	5.830439
9	2	72.7	14	1126.0	-	7.046705
10	3	80.0	14	1851.0	1046.0	7.469982
11	2	71.1	14	1873.0	-	8.533284
12	2	52.0	14	1392.0	-	9.379513
13	1	79.1	14	-	-	10.288992
14	2	99.1	14	1893.0	-	10.445788
15	2	73.7	14	1558.0	-	11.380706

Table 67 - FCC Long Pulse Radar (Type 5) Waveform Trial#10 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	50.3	18	-	-	0.189475
2	3	70.5	18	1028.0	1800.0	2.498861
3	1	64.7	18	-	-	3.167981
4	2	78.1	18	1592.0	-	4.840843
5	1	67.7	18	-	-	7.379789
6	2	57.7	18	1742.0	-	8.979078
7	2	61.2	18	1601.0	-	9.529718
8	2	96.7	18	1440.0	-	11.640093

Table 68 - FCC Long Pulse Radar (Type 5) Waveform Trial#11 (Detected) 10MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	92.1	7	1530.0	-	0.067151
2	1	57.8	7	-	-	1.133765
3	1	79.4	7	-	-	1.647682
4	1	62.1	7	-	-	2.362341
5	2	60.3	7	1979.0	-	2.529517
6	2	63.0	7	1410.0	-	3.007898
7	2	60.2	7	1457.0	-	3.950519
8	2	66.5	7	1446.0	-	4.236777
9	3	99.8	7	1723.0	1694.0	5.271787
10	2	84.6	7	1440.0	-	5.674609
11	2	98.3	7	1593.0	-	6.170211
12	3	92.5	7	1929.0	1081.0	6.958135
13	2	86.0	7	1565.0	-	7.652662
14	2	53.9	7	1341.0	-	7.832584
15	2	57.2	7	1694.0	-	8.449184
16	1	88.1	7	-	-	9.333100
17	3	62.0	7	1889.0	1722.0	10.165995
18	1	64.0	7	-	-	10.456956
19	1	69.2	7	-	-	10.840523
20	3	93.5	7	1055.0	1960.0	11.646396

Table 69 - FCC Long Pulse Radar (Type 5) Waveform Trial#12 (Detected) 10MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	96.8	16	1686.0	-	0.190148
2	1	56.3	16	-	-	1.160840
3	2	51.9	16	1125.0	-	2.019608
4	1	61.1	16	-	-	3.010116
5	3	71.5	16	1795.0	1473.0	3.920229
6	1	61.7	16	-	-	4.776990
7	2	64.7	16	1202.0	-	4.898161
8	2	52.8	16	1368.0	-	6.273871
9	2	99.7	16	1331.0	-	6.972533
10	2	72.2	16	1050.0	-	7.484820
11	2	86.5	16	1834.0	-	8.685990
12	1	70.2	16	-	-	9.495574
13	2	52.1	16	1409.0	-	10.325731
14	1	91.2	16	-	-	11.156697
15	2	68.6	16	1285.0	-	11.829495

Table 70 - FCC Long Pulse Radar (Type 5) Waveform Trial#13 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	63.1	17	1300.0	-	0.678251
2	2	67.4	17	1645.0	-	1.543865
3	3	87.3	17	1469.0	1716.0	2.792131
4	2	71.7	17	1287.0	-	3.500911
5	2	92.9	17	1973.0	-	4.830518
6	3	51.6	17	1557.0	1353.0	6.384020
7	1	62.6	17	-	-	7.139659
8	2	91.1	17	1795.0	-	8.181387
9	2	67.8	17	1133.0	-	9.443305
10	2	52.7	17	1809.0	-	10.115699
11	1	95.3	17	-	-	11.918073

Table 71 - FCC Long Pulse Radar (Type 5) Waveform Trial#14 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	60.1	10	-	-	0.065426
2	3	90.2	10	1239.0	1780.0	1.296020
3	2	79.2	10	1372.0	-	1.339655
4	3	78.9	10	1152.0	1171.0	2.638150
5	3	81.9	10	1906.0	1400.0	2.851379
6	2	99.8	10	1246.0	-	3.381392
7	3	79.2	10	1227.0	1434.0	4.462492
8	1	97.6	10	-	-	5.213781
9	2	67.8	10	1845.0	-	5.953271
10	2	52.0	10	1368.0	-	6.584569
11	1	75.3	10	-	-	7.250995
12	3	68.8	10	1942.0	1798.0	7.773443
13	1	70.0	10	-	-	8.527617
14	3	82.0	10	1576.0	1413.0	8.703038
15	2	73.9	10	1793.0	-	9.414349
16	1	64.8	10	-	-	10.244399
17	2	58.5	10	1545.0	-	11.083714
18	1	52.3	10	-	-	11.747663

Table 72 - FCC Long Pulse Radar (Type 5) Waveform Trial#15 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	73.4	13	1921.0	-	0.291093
2	2	87.2	13	1167.0	-	2.300962
3	2	98.3	13	1597.0	-	3.156024
4	2	66.6	13	1203.0	-	4.132986
5	1	65.1	13	-	-	5.606043
6	2	84.1	13	1005.0	-	6.015287
7	3	63.5	13	1551.0	1284.0	7.348976
8	1	55.1	13	-	-	9.339321
9	3	82.3	13	1530.0	1928.0	9.890073
10	2	78.8	13	1932.0	-	11.874472

Table 73 - FCC Long Pulse Radar (Type 5) Waveform Trial#16 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	89.4	11	1004.0	1090.0	0.971123
2	2	77.2	11	1302.0	-	1.230275
3	2	66.8	11	1353.0	-	3.415991
4	2	62.1	11	1290.0	-	4.234444
5	1	54.1	11	-	-	4.991522
6	2	84.1	11	1386.0	-	6.560481
7	3	84.5	11	1553.0	1833.0	7.733009
8	1	91.4	11	-	-	8.975687
9	2	93.6	11	1088.0	-	10.173473
10	1	89.7	11	-	-	11.685370

Table 74 - FCC Long Pulse Radar (Type 5) Waveform Trial#17 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	53.2	20	-	-	0.085893
2	2	81.1	20	1970.0	-	2.256317
3	2	65.4	20	1403.0	-	2.493767
4	2	95.9	20	1540.0	-	4.399464
5	1	54.3	20	-	-	5.802976
6	2	73.3	20	1046.0	-	6.765579
7	1	62.9	20	-	-	8.007625
8	1	55.6	20	-	-	8.865460
9	2	72.2	20	1239.0	-	10.752435
10	2	81.1	20	1939.0	-	11.236441

Table 75 - FCC Long Pulse Radar (Type 5) Waveform Trial#18 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	65.4	16	1704.0	-	0.907853
2	2	59.6	16	1258.0	-	2.343119
3	2	79.2	16	1223.0	-	3.307392
4	2	62.1	16	1185.0	-	4.365898
5	2	54.9	16	1880.0	-	6.351765
6	1	85.2	16	-	-	6.835236
7	2	81.1	16	1682.0	-	9.235119
8	2	53.8	16	1174.0	-	10.621918
9	2	53.7	16	1176.0	-	10.709787

Table 76 - FCC Long Pulse Radar (Type 5) Waveform Trial#19 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	57.0	14	-	-	0.034661
2	2	58.6	14	1609.0	-	0.802663
3	2	77.4	14	1420.0	-	1.729967
4	3	97.7	14	1706.0	1290.0	2.254487
5	3	81.8	14	1597.0	1743.0	2.837693
6	3	86.1	14	1486.0	1815.0	3.860715
7	1	58.9	14	-	-	4.228337
8	2	99.6	14	1394.0	-	4.891101
9	3	69.1	14	1515.0	1263.0	5.902172
10	2	72.6	14	1358.0	-	6.487269
11	2	82.8	14	1346.0	-	7.171819
12	2	62.2	14	1279.0	-	7.643070
13	3	62.9	14	1962.0	1178.0	8.632961
14	2	88.2	14	1003.0	-	8.786533
15	2	79.8	14	1345.0	-	9.506680
16	2	70.4	14	1895.0	-	10.141204
17	2	94.2	14	1643.0	-	11.134316
18	3	96.0	14	1771.0	1495.0	11.640951

Table 77 - FCC Long Pulse Radar (Type 5) Waveform Trial#20 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	82.3	16	1977.0	-	0.641285
2	2	50.8	16	1484.0	-	0.868921
3	2	75.5	16	1790.0	-	1.885995
4	3	72.0	16	1185.0	1367.0	3.039189
5	1	90.9	16	-	-	3.981363
6	2	55.5	16	1350.0	-	4.706597
7	3	88.4	16	1436.0	1224.0	5.556735
8	3	93.5	16	2000.0	1310.0	6.242884
9	2	94.6	16	1934.0	-	7.164624
10	1	94.1	16	-	-	7.333015
11	2	53.3	16	1069.0	-	8.692296
12	2	67.5	16	1201.0	-	9.418585
13	2	86.2	16	1672.0	-	9.671520
14	2	51.4	16	1203.0	-	10.961527
15	3	82.0	16	1404.0	1771.0	11.784121

Table 78 - FCC Long Pulse Radar (Type 5) Waveform Trial#21 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	61.7	6	-	-	0.512518
2	2	77.2	6	1628.0	-	0.811724
3	1	50.8	6	-	-	1.265363
4	1	82.6	6	-	-	2.106448
5	1	97.1	6	-	-	3.009268
6	2	84.5	6	1716.0	-	3.728541
7	3	55.0	6	1391.0	1291.0	4.181789
8	1	78.8	6	-	-	4.735750
9	2	78.6	6	1589.0	-	5.603289
10	3	76.2	6	1297.0	1809.0	5.796613
11	2	88.8	6	1150.0	-	6.549292
12	2	50.2	6	1529.0	-	7.070362
13	1	91.7	6	-	-	7.722634
14	2	82.4	6	1341.0	-	8.543959
15	3	63.0	6	1431.0	1169.0	9.458853
16	3	76.6	6	1402.0	1241.0	9.831612
17	2	71.2	6	1214.0	-	10.530870
18	2	67.5	6	1984.0	-	11.214614
19	2	77.8	6	1112.0	-	11.703142

Table 79 - FCC Long Pulse Radar (Type 5) Waveform Trial#22 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	64.3	8	1288.0	-	0.648598
2	2	68.9	8	1572.0	-	1.746286
3	2	53.2	8	1586.0	-	2.501249
4	2	50.0	8	1199.0	-	3.006718
5	2	51.3	8	1443.0	-	4.013740
6	2	93.7	8	1346.0	-	5.522060
7	3	64.3	8	1582.0	1409.0	6.291020
8	2	74.5	8	1463.0	-	7.030768
9	2	65.8	8	1220.0	-	7.409236
10	3	77.7	8	1449.0	1673.0	9.109920
11	3	73.2	8	1062.0	1440.0	9.584723
12	2	60.6	8	1708.0	-	10.689619
13	3	56.2	8	1599.0	1478.0	11.311468

Table 80 - FCC Long Pulse Radar (Type 5) Waveform Trial#23 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	56.1	6	1759.0	-	0.643323
2	3	70.2	6	1207.0	1200.0	1.291458
3	1	55.9	6	-	-	2.694961
4	2	93.6	6	1232.0	-	3.453122
5	2	87.8	6	1492.0	-	4.454767
6	3	99.1	6	1843.0	1950.0	4.830868
7	2	52.3	6	1553.0	-	5.640108
8	2	56.9	6	1142.0	-	6.871456
9	3	54.4	6	1725.0	1988.0	8.222626
10	2	87.9	6	1881.0	-	8.355446
11	2	92.4	6	1006.0	-	9.883818
12	2	71.9	6	1786.0	-	10.771928
13	2	70.0	6	1095.0	-	11.968351

Table 81 - FCC Long Pulse Radar (Type 5) Waveform Trial#24 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	67.4	14	1239.0	-	0.487197
2	2	55.7	14	1688.0	-	0.775214
3	1	64.8	14	-	-	1.522864
4	3	52.0	14	1696.0	1744.0	2.671609
5	3	81.8	14	1456.0	1143.0	3.260774
6	3	83.1	14	1414.0	1283.0	4.428223
7	1	99.6	14	-	-	5.105434
8	1	86.3	14	-	-	5.517105
9	2	98.7	14	1168.0	-	6.155703
10	3	87.9	14	1332.0	1649.0	7.451831
11	3	79.6	14	1064.0	1029.0	8.184836
12	2	64.4	14	1885.0	-	8.266022
13	2	64.7	14	1844.0	-	9.066668
14	2	61.9	14	1491.0	-	9.842329
15	2	51.2	14	1304.0	-	11.057646
16	2	96.6	14	1128.0	-	11.747708

Table 82 - FCC Long Pulse Radar (Type 5) Waveform Trial#25 (Detected) 10MHz

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	1609.0	1626.0	0.197749
2	2	60.5	7	1069.0	-	1.095609
3	1	77.4	7	-	-	2.616766
4	2	58.1	7	1983.0	-	3.189188
5	2	56.4	7	1368.0	-	3.807992
6	2	56.7	7	1272.0	-	5.451735
7	2	51.4	7	1667.0	-	5.966816
8	1	90.8	7	-	-	6.623227
9	2	60.1	7	1563.0	-	8.254954
10	2	58.8	7	1024.0	-	8.992962
11	2	79.1	7	1478.0	-	9.261538
12	3	52.1	7	1359.0	1244.0	10.355867
13	2	88.8	7	1902.0	-	11.350195

Table 83 - FCC Long Pulse Radar (Type 5) Waveform Trial#26 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	88.2	15	1227.0	1211.0	0.476922
2	3	54.0	15	1691.0	1618.0	0.997483
3	3	87.3	15	1838.0	1311.0	2.378386
4	2	74.2	15	1896.0	-	3.042150
5	2	72.1	15	1226.0	-	3.341675
6	1	74.4	15	-	-	4.692205
7	2	97.7	15	1176.0	-	5.452917
8	1	69.8	15	-	-	6.239098
9	1	85.9	15	-	-	6.991468
10	2	66.0	15	1011.0	-	7.932421
11	2	68.9	15	1201.0	-	8.289134
12	2	53.4	15	1669.0	-	8.827896
13	2	97.0	15	1419.0	-	10.058623
14	3	74.6	15	1739.0	1635.0	10.563122
15	2	91.9	15	1575.0	-	11.718140

Table 84 - FCC Long Pulse Radar (Type 5) Waveform Trial#27 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	71.5	11	1517.0	-	0.686141
2	2	70.3	11	1074.0	-	1.129229
3	3	65.1	11	1509.0	1708.0	1.882990
4	2	57.8	11	1472.0	-	2.419917
5	2	97.4	11	1978.0	-	3.029318
6	1	57.3	11	-	-	4.071529
7	1	83.1	11	-	-	5.120721
8	3	84.1	11	1647.0	1528.0	5.470766
9	1	51.0	11	-	-	6.519459
10	2	87.0	11	1200.0	-	7.227003
11	2	90.6	11	1705.0	-	8.088493
12	1	55.6	11	-	-	8.891848
13	2	61.5	11	1565.0	-	9.466233
14	2	71.3	11	1841.0	-	10.047125
15	3	98.0	11	1050.0	1232.0	10.841957
16	2	98.5	11	1942.0	-	11.378987

Table 85 - FCC Long Pulse Radar (Type 5) Waveform Trial#28 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	68.6	19	1733.0	1880.0	1.189249
2	2	70.4	19	1582.0	-	2.257909
3	2	73.8	19	1214.0	-	3.055974
4	3	58.0	19	1464.0	1826.0	4.817760
5	2	55.6	19	1524.0	-	7.440510
6	3	73.4	19	1040.0	1992.0	7.844917
7	3	97.9	19	1163.0	1214.0	9.926266
8	2	56.9	19	1815.0	-	11.480632

Table 86 - FCC Long Pulse Radar (Type 5) Waveform Trial#29 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.7	6	1412.0	-	0.605515
2	2	96.5	6	1960.0	-	1.052844
3	3	71.9	6	1088.0	1140.0	1.633969
4	2	50.2	6	1353.0	-	2.840831
5	1	94.0	6	-	-	3.587380
6	2	77.8	6	1748.0	-	3.996505
7	1	66.3	6	-	-	4.575374
8	3	59.0	6	1247.0	1305.0	5.300526
9	2	51.2	6	1721.0	-	6.278306
10	1	80.0	6	-	-	7.434204
11	2	63.5	6	1656.0	-	7.861453
12	1	57.9	6	-	-	8.290480
13	2	71.3	6	1003.0	-	9.580626
14	2	89.6	6	1930.0	-	10.034490
15	2	59.6	6	1141.0	-	10.749482
16	3	88.5	6	1831.0	1779.0	11.591272

Table 87 - FCC Long Pulse Radar (Type 5) Waveform Trial#30 (Detected) 10MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	93.5	8	1848.0	-	0.684453
2	2	90.8	8	1927.0	-	1.829545
3	1	69.7	8	-	-	2.528289
4	2	74.2	8	1356.0	-	3.927355
5	3	74.9	8	1790.0	1815.0	5.629962
6	2	65.4	8	1247.0	-	6.813700
7	3	96.9	8	1372.0	1093.0	7.977086
8	2	99.8	8	1052.0	-	9.474573
9	2	92.3	8	1574.0	-	10.211337
10	2	73.4	8	1488.0	-	10.900408

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	9	1.0	333.0	Yes	5505.9MHz,-63.0dBm	Hop sequence: 5251, 5507, 5551, 5720, 5426, 5675, 5665, 5369, 5403, 5573, 5439, 5509, 5632, 5461, 5562, 5285, 5503, 5600, 5442, 5522, 5607, 5662, 5468, 5474, 5396, 5262, 5699, 5689, 5516, 5674, 5620, 5418, 5401, 5471, 5631, 5627, 5489, 5407, 5446, 5717, 5374, 5428, 5317, 5502, 5340, 5346, 5375, 5487, 5378, 5642, 5256, 5404, 5293, 5479, 5347, 5473, 5333, 5303, 5716, 5669, 5534, 5265, 5673, 5447, 5513, 5328, 5388, 5510, 5704, 5605, 5324, 5590, 5719, 5481, 5274, 5277, 5342, 5681, 5548, 5676, 5672, 5626, 5658, 5636, 5385, 5365, 5364, 5356, 5623, 5280, 5680, 5602, 5290, 5279, 5478, 5254, 5541, 5336, 5305, 5638 (4 hits)
2	9	1.0	333.0	Yes	5506.9MHz,-63.0dBm	Hop sequence: 5718, 5524, 5443, 5564, 5289, 5368, 5501, 5632, 5407, 5583, 5719, 5413, 5512, 5562, 5449, 5639, 5391, 5351, 5321, 5353, 5569, 5298, 5256, 5337, 5346, 5699, 5688, 5447, 5429, 5660, 5510, 5537, 5492, 5267, 5299, 5441, 5315, 5648, 5554, 5621, 5596, 5720, 5286, 5529, 5633, 5518, 5490, 5487, 5359, 5585, 5297, 5546, 5656, 5528, 5363, 5276, 5538, 5309, 5495, 5703, 5659, 5435, 5521, 5626, 5590, 5652, 5525, 5294, 5307, 5692, 5698, 5284, 5352, 5361, 5332, 5513, 5555, 5380, 5354, 5365, 5715, 5576, 5395, 5442, 5714, 5494, 5419, 5336, 5655, 5533, 5631, 5281, 5330, 5438, 5637, 5489, 5507, 5612, 5584, 5678 (4 hits)
3	9	1.0	333.0	Yes	5507.9MHz,-63.0dBm	Hop sequence: 5476, 5564, 5462, 5369, 5378,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5325, 5649, 5699, 5568, 5497, 5571, 5438, 5563, 5608, 5400, 5479, 5285, 5622, 5267, 5467, 5314, 5340, 5688, 5553, 5296, 5299, 5351, 5722, 5643, 5301, 5489, 5584, 5618, 5617, 5666, 5294, 5286, 5726, 5517, 5320, 5717, 5623, 5466, 5374, 5658, 5464, 5451, 5258, 5293, 5384, 5422, 5592, 5328, 5712, 5332, 5318, 5616, 5720, 5444, 5386, 5409, 5557, 5407, 5580, 5582, 5620, 5523, 5421, 5367, 5574, 5482, 5653, 5670, 5260, 5469, 5562, 5614, 5428, 5507, 5498, 5520, 5275, 5709, 5334, 5415, 5309, 5715, 5495, 5554, 5682, 5434, 5377, 5663, 5446, 5632, 5390, 5257, 5711, 5322, 5491 (1 hits)
4	9	1.0	333.0	Yes	5508.9MHz,-63.0dBm	Hop sequence: 5298, 5389, 5720, 5497, 5619, 5538, 5547, 5523, 5492, 5369, 5431, 5717, 5375, 5331, 5724, 5268, 5427, 5384, 5420, 5412, 5690, 5377, 5646, 5426, 5483, 5478, 5360, 5275, 5666, 5270, 5629, 5698, 5502, 5544, 5423, 5304, 5682, 5564, 5577, 5392, 5673, 5546, 5382, 5600, 5535, 5255, 5594, 5584, 5267, 5582, 5487, 5679, 5371, 5640, 5501, 5670, 5543, 5530, 5636, 5697, 5407, 5281, 5334, 5307, 5507, 5541, 5357, 5700, 5454, 5414, 5296, 5504, 5318, 5639, 5446, 5415, 5567, 5294, 5354, 5559, 5285, 5252, 5351, 5595, 5440, 5480, 5587, 5534, 5289, 5468, 5456, 5286, 5491, 5721, 5610, 5620, 5522, 5325, 5316, 5342 (1 hits)
5	9	1.0	333.0	Yes	5509.9MHz,-63.0dBm	Hop sequence: 5436, 5545, 5378, 5319, 5400, 5517, 5598, 5337, 5725, 5724, 5296, 5584, 5469, 5692, 5637, 5455, 5372,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5512, 5423, 5264, 5495, 5345, 5682, 5411, 5425, 5654, 5431, 5422, 5472, 5318, 5561, 5271, 5280, 5262, 5413, 5515, 5592, 5459, 5286, 5706, 5562, 5485, 5557, 5707, 5339, 5600, 5531, 5572, 5687, 5394, 5323, 5419, 5322, 5276, 5442, 5304, 5376, 5504, 5521, 5486, 5291, 5640, 5279, 5711, 5703, 5399, 5622, 5285, 5618, 5477, 5686, 5489, 5576, 5383, 5660, 5333, 5693, 5270, 5608, 5493, 5418, 5380, 5420, 5691, 5368, 5332, 5503, 5428, 5415, 5694, 5540, 5564, 5347, 5434, 5587, 5478, 5335, 5500, 5444, 5523 (1 hits)
6	9	1.0	333.0	Yes	5510.9MHz,-63.0dBm	Hop sequence: 5409, 5349, 5486, 5545, 5709, 5562, 5322, 5512, 5305, 5602, 5702, 5328, 5278, 5570, 5637, 5259, 5563, 5561, 5723, 5460, 5315, 5265, 5296, 5293, 5425, 5714, 5483, 5635, 5260, 5507, 5554, 5667, 5712, 5725, 5630, 5617, 5628, 5441, 5272, 5663, 5683, 5343, 5426, 5662, 5580, 5353, 5484, 5398, 5471, 5251, 5269, 5684, 5495, 5407, 5501, 5301, 5525, 5323, 5437, 5508, 5496, 5361, 5474, 5330, 5303, 5491, 5316, 5531, 5493, 5354, 5376, 5587, 5632, 5619, 5670, 5395, 5687, 5605, 5655, 5691, 5557, 5387, 5291, 5384, 5673, 5299, 5313, 5374, 5307, 5311, 5359, 5261, 5365, 5710, 5511, 5592, 5253, 5470, 5505, 5578 (4 hits)
7	9	1.0	333.0	Yes	5511.9MHz,-63.0dBm	Hop sequence: 5473, 5269, 5384, 5337, 5604, 5565, 5688, 5444, 5625, 5698, 5654, 5483, 5260, 5355, 5464, 5368, 5542, 5631, 5489, 5580, 5516, 5386, 5663, 5530, 5479, 5695, 5533, 5637, 5353,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5475, 5429, 5467, 5709, 5669, 5611, 5617, 5388, 5250, 5568, 5478, 5549, 5453, 5271, 5582, 5266, 5717, 5361, 5319, 5330, 5555, 5529, 5608, 5259, 5253, 5691, 5463, 5712, 5306, 5301, 5380, 5438, 5615, 5287, 5323, 5585, 5672, 5705, 5657, 5400, 5703, 5520, 5643, 5299, 5656, 5370, 5532, 5647, 5508, 5601, 5553, 5707, 5314, 5366, 5491, 5450, 5270, 5693, 5719, 5664, 5569, 5352, 5255, 5316, 5268, 5575, 5718, 5317, 5523, 5629, 5566 (1 hits)
8	9	1.0	333.0	Yes	5512.9MHz,-63.0dBm	Hop sequence: 5419, 5354, 5579, 5365, 5371, 5654, 5624, 5588, 5307, 5426, 5389, 5506, 5267, 5602, 5615, 5401, 5406, 5353, 5698, 5347, 5386, 5468, 5587, 5692, 5300, 5519, 5603, 5694, 5591, 5332, 5605, 5281, 5586, 5526, 5578, 5458, 5320, 5662, 5672, 5571, 5702, 5564, 5685, 5274, 5683, 5681, 5590, 5629, 5293, 5524, 5252, 5461, 5432, 5607, 5613, 5285, 5583, 5361, 5543, 5703, 5321, 5574, 5334, 5504, 5280, 5373, 5476, 5529, 5425, 5284, 5634, 5381, 5375, 5695, 5721, 5660, 5397, 5403, 5517, 5429, 5705, 5720, 5657, 5289, 5438, 5343, 5308, 5485, 5337, 5402, 5271, 5427, 5632, 5503, 5652, 5262, 5341, 5552, 5688, 5631 (1 hits)
9	9	1.0	333.0	Yes	5513.9MHz,-63.0dBm	Hop sequence: 5584, 5271, 5668, 5570, 5441, 5525, 5552, 5697, 5367, 5694, 5520, 5481, 5250, 5406, 5681, 5432, 5436, 5642, 5652, 5309, 5574, 5634, 5597, 5632, 5503, 5603, 5320, 5706, 5616, 5653, 5260, 5599, 5600, 5704, 5566, 5686, 5255, 5498, 5403, 5619, 5544,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5409, 5466, 5569, 5442, 5692, 5524, 5364, 5461, 5701, 5349, 5308, 5508, 5658, 5353, 5284, 5285, 5276, 5513, 5669, 5337, 5722, 5708, 5601, 5476, 5471, 5338, 5371, 5688, 5328, 5437, 5553, 5537, 5417, 5660, 5639, 5383, 5609, 5385, 5559, 5283, 5655, 5412, 5262, 5443, 5375, 5399, 5541, 5531, 5611, 5273, 5637, 5336, 5602, 5470, 5578, 5252, 5590, 5693, 5703 (2 hits)
10	9	1.0	333.0	Yes	5514.1MHz,-63.0dBm	Hop sequence: 5382, 5692, 5273, 5333, 5652, 5666, 5543, 5640, 5538, 5554, 5494, 5284, 5472, 5715, 5697, 5430, 5401, 5365, 5711, 5698, 5367, 5719, 5609, 5679, 5481, 5327, 5450, 5319, 5619, 5386, 5562, 5511, 5536, 5555, 5618, 5670, 5295, 5533, 5351, 5630, 5251, 5448, 5705, 5399, 5718, 5340, 5412, 5704, 5498, 5451, 5655, 5626, 5603, 5341, 5600, 5551, 5599, 5271, 5649, 5337, 5519, 5338, 5391, 5535, 5291, 5323, 5318, 5659, 5312, 5309, 5578, 5408, 5606, 5369, 5473, 5287, 5279, 5546, 5539, 5439, 5378, 5427, 5518, 5529, 5504, 5648, 5706, 5716, 5614, 5402, 5305, 5422, 5544, 5636, 5354, 5633, 5532, 5590, 5592, 5657 (1 hits)
11	9	1.0	333.0	Yes	5505.9MHz,-63.0dBm	Hop sequence: 5673, 5419, 5656, 5530, 5356, 5324, 5322, 5301, 5465, 5633, 5569, 5380, 5570, 5495, 5415, 5581, 5281, 5675, 5634, 5333, 5319, 5436, 5545, 5443, 5417, 5482, 5549, 5466, 5519, 5658, 5642, 5300, 5624, 5531, 5583, 5255, 5354, 5311, 5631, 5259, 5595, 5548, 5320, 5277, 5640, 5298, 5647, 5684, 5541, 5502, 5257, 5337, 5573,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5627, 5323, 5329, 5476, 5685, 5566, 5653, 5484, 5449, 5355, 5279, 5550, 5292, 5506, 5414, 5499, 5672, 5479, 5596, 5522, 5366, 5437, 5403, 5711, 5469, 5534, 5464, 5423, 5526, 5491, 5386, 5687, 5362, 5398, 5559, 5537, 5268, 5344, 5317, 5619, 5252, 5689, 5713, 5404, 5678, 5535, 5262 (1 hits)
12	9	1.0	333.0	Yes	5506.9MHz,-63.0dBm	Hop sequence: 5459, 5331, 5648, 5689, 5698, 5723, 5398, 5279, 5359, 5599, 5432, 5615, 5657, 5404, 5349, 5638, 5542, 5376, 5671, 5282, 5252, 5358, 5397, 5713, 5505, 5351, 5603, 5493, 5526, 5403, 5619, 5522, 5343, 5405, 5618, 5328, 5444, 5561, 5677, 5288, 5604, 5537, 5435, 5581, 5448, 5609, 5616, 5571, 5439, 5500, 5254, 5679, 5625, 5519, 5527, 5631, 5715, 5251, 5606, 5337, 5303, 5375, 5465, 5466, 5598, 5621, 5417, 5584, 5410, 5427, 5483, 5456, 5425, 5302, 5445, 5496, 5334, 5610, 5327, 5719, 5626, 5605, 5620, 5720, 5664, 5347, 5525, 5586, 5338, 5507, 5575, 5360, 5321, 5415, 5316, 5379, 5535, 5291, 5324, 5292 (1 hits)
13	9	1.0	333.0	Yes	5507.9MHz,-63.0dBm	Hop sequence: 5637, 5397, 5646, 5507, 5278, 5433, 5597, 5478, 5633, 5406, 5317, 5586, 5547, 5535, 5287, 5269, 5315, 5680, 5666, 5473, 5408, 5313, 5444, 5717, 5431, 5355, 5307, 5383, 5718, 5676, 5358, 5558, 5490, 5496, 5284, 5675, 5710, 5520, 5336, 5508, 5388, 5670, 5725, 5600, 5621, 5658, 5320, 5304, 5306, 5691, 5669, 5308, 5627, 5390, 5469, 5272, 5330, 5474, 5426, 5477, 5283, 5280, 5602, 5724, 5713,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5276, 5398, 5384, 5616, 5428, 5568, 5512, 5610, 5664, 5589, 5387, 5427, 5432, 5581, 5706, 5439, 5605, 5492, 5714, 5274, 5569, 5334, 5522, 5697, 5461, 5607, 5434, 5693, 5592, 5450, 5593, 5256, 5582, 5515, 5393 (3 hits)
14	9	1.0	333.0	Yes	5508.9MHz,-63.0dBm	Hop sequence: 5421, 5556, 5415, 5513, 5425, 5553, 5434, 5551, 5643, 5404, 5529, 5693, 5574, 5623, 5386, 5590, 5292, 5496, 5624, 5618, 5414, 5593, 5595, 5407, 5527, 5294, 5315, 5655, 5724, 5461, 5282, 5489, 5658, 5478, 5439, 5271, 5475, 5426, 5473, 5676, 5600, 5346, 5711, 5649, 5705, 5692, 5452, 5454, 5295, 5255, 5500, 5306, 5311, 5540, 5263, 5465, 5413, 5712, 5653, 5491, 5619, 5647, 5639, 5597, 5429, 5612, 5616, 5427, 5360, 5371, 5455, 5486, 5357, 5663, 5611, 5588, 5401, 5476, 5674, 5479, 5291, 5565, 5344, 5385, 5581, 5686, 5560, 5604, 5332, 5654, 5592, 5506, 5557, 5635, 5299, 5518, 5519, 5378, 5459, 5517 (2 hits)
15	9	1.0	333.0	Yes	5509.9MHz,-63.0dBm	Hop sequence: 5363, 5299, 5588, 5610, 5267, 5526, 5669, 5477, 5409, 5323, 5549, 5295, 5712, 5424, 5616, 5410, 5495, 5646, 5505, 5671, 5476, 5327, 5605, 5290, 5536, 5589, 5291, 5531, 5436, 5687, 5686, 5361, 5414, 5579, 5565, 5461, 5315, 5555, 5569, 5457, 5418, 5517, 5651, 5287, 5558, 5680, 5578, 5620, 5545, 5694, 5411, 5523, 5406, 5650, 5673, 5713, 5279, 5474, 5537, 5317, 5609, 5439, 5561, 5403, 5437, 5631, 5460, 5512, 5272, 5524, 5262, 5453, 5648, 5331, 5347, 5546, 5416,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5417, 5509, 5618, 5454, 5534, 5257, 5682, 5372, 5305, 5615, 5405, 5467, 5535, 5592, 5312, 5306, 5482, 5657, 5521, 5611, 5663, 5376, 5342 (2 hits)
16	9	1.0	333.0	Yes	5510.9MHz,-63.0dBm	Hop sequence: 5605, 5719, 5599, 5410, 5519, 5251, 5330, 5597, 5511, 5372, 5639, 5700, 5437, 5394, 5634, 5472, 5510, 5546, 5660, 5280, 5659, 5286, 5257, 5585, 5492, 5400, 5638, 5572, 5616, 5577, 5582, 5711, 5509, 5469, 5327, 5477, 5389, 5488, 5657, 5287, 5496, 5292, 5428, 5704, 5301, 5415, 5489, 5270, 5450, 5688, 5279, 5376, 5543, 5373, 5334, 5358, 5571, 5455, 5480, 5313, 5470, 5448, 5323, 5297, 5715, 5423, 5353, 5369, 5445, 5570, 5348, 5517, 5354, 5674, 5275, 5482, 5529, 5364, 5285, 5598, 5685, 5667, 5261, 5340, 5476, 5550, 5424, 5608, 5264, 5648, 5575, 5260, 5493, 5454, 5387, 5306, 5465, 5277, 5363, 5377 (3 hits)
17	9	1.0	333.0	Yes	5511.9MHz,-63.0dBm	Hop sequence: 5361, 5289, 5672, 5629, 5489, 5578, 5694, 5449, 5553, 5592, 5307, 5710, 5253, 5721, 5369, 5714, 5652, 5612, 5471, 5597, 5266, 5504, 5481, 5320, 5456, 5505, 5686, 5556, 5430, 5399, 5440, 5321, 5511, 5620, 5637, 5565, 5371, 5378, 5596, 5349, 5422, 5720, 5688, 5486, 5510, 5607, 5282, 5725, 5531, 5659, 5447, 5296, 5526, 5674, 5335, 5554, 5692, 5375, 5711, 5490, 5323, 5300, 5499, 5291, 5329, 5551, 5530, 5616, 5374, 5421, 5465, 5379, 5470, 5487, 5417, 5437, 5535, 5521, 5292, 5467, 5528, 5395, 5326, 5594, 5435, 5626, 5415, 5661, 5576,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5333, 5524, 5668, 5273, 5373, 5601, 5512, 5366, 5429, 5475, 5405 (3 hits)
18	9	1.0	333.0	Yes	5512.9MHz,-63.0dBm	Hop sequence: 5507, 5563, 5671, 5633, 5312, 5272, 5284, 5694, 5539, 5676, 5560, 5289, 5690, 5328, 5304, 5672, 5588, 5594, 5280, 5493, 5579, 5677, 5403, 5562, 5496, 5607, 5251, 5314, 5492, 5260, 5283, 5554, 5462, 5456, 5355, 5566, 5467, 5711, 5347, 5342, 5536, 5458, 5301, 5705, 5296, 5273, 5305, 5400, 5300, 5370, 5419, 5291, 5674, 5309, 5401, 5659, 5648, 5406, 5412, 5446, 5643, 5357, 5441, 5663, 5599, 5294, 5288, 5708, 5564, 5313, 5501, 5452, 5650, 5264, 5640, 5526, 5505, 5333, 5558, 5548, 5276, 5423, 5665, 5652, 5565, 5430, 5437, 5508, 5408, 5337, 5393, 5620, 5709, 5450, 5531, 5481, 5350, 5540, 5287, 5368 (2 hits)
19	9	1.0	333.0	Yes	5513.9MHz,-63.0dBm	Hop sequence: 5715, 5464, 5613, 5558, 5554, 5484, 5412, 5291, 5709, 5501, 5357, 5530, 5568, 5720, 5390, 5367, 5569, 5413, 5338, 5576, 5701, 5347, 5607, 5662, 5384, 5423, 5375, 5480, 5575, 5457, 5525, 5409, 5335, 5563, 5668, 5429, 5677, 5300, 5667, 5504, 5585, 5328, 5636, 5353, 5368, 5453, 5619, 5458, 5397, 5700, 5467, 5590, 5449, 5298, 5465, 5591, 5534, 5290, 5520, 5311, 5714, 5546, 5623, 5369, 5630, 5277, 5459, 5260, 5540, 5597, 5414, 5478, 5427, 5292, 5433, 5644, 5632, 5578, 5372, 5284, 5670, 5625, 5666, 5680, 5488, 5410, 5350, 5321, 5360, 5723, 5483, 5387, 5476, 5437, 5509, 5392, 5293, 5621, 5282, 5654 (1 hits)

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
20	9	1.0	333.0	Yes	5514.1MHz,-63.0dBm	Hop sequence: 5724, 5583, 5493, 5725, 5594, 5365, 5422, 5290, 5442, 5451, 5443, 5686, 5363, 5723, 5707, 5560, 5531, 5306, 5280, 5279, 5581, 5308, 5524, 5276, 5475, 5299, 5700, 5521, 5349, 5257, 5682, 5373, 5510, 5651, 5454, 5709, 5698, 5598, 5303, 5640, 5556, 5294, 5325, 5473, 5323, 5330, 5426, 5657, 5648, 5444, 5534, 5593, 5278, 5366, 5582, 5664, 5695, 5622, 5305, 5393, 5604, 5434, 5314, 5343, 5635, 5545, 5320, 5591, 5489, 5602, 5603, 5291, 5319, 5477, 5627, 5321, 5699, 5696, 5543, 5476, 5376, 5544, 5680, 5704, 5537, 5466, 5634, 5526, 5446, 5341, 5329, 5714, 5448, 5428, 5495, 5658, 5461, 5567, 5609, 5270 (1 hits)
21	9	1.0	333.0	Yes	5505.9MHz,-63.0dBm	Hop sequence: 5623, 5596, 5317, 5329, 5543, 5636, 5599, 5473, 5694, 5721, 5556, 5427, 5565, 5661, 5605, 5512, 5421, 5379, 5695, 5598, 5314, 5656, 5504, 5377, 5484, 5309, 5343, 5429, 5298, 5581, 5406, 5569, 5582, 5501, 5308, 5646, 5375, 5416, 5271, 5633, 5672, 5593, 5647, 5294, 5508, 5583, 5502, 5552, 5403, 5276, 5274, 5310, 5279, 5305, 5444, 5561, 5415, 5364, 5612, 5667, 5590, 5355, 5352, 5703, 5658, 5358, 5363, 5492, 5525, 5671, 5660, 5720, 5549, 5586, 5353, 5639, 5683, 5665, 5537, 5716, 5494, 5573, 5704, 5378, 5643, 5357, 5523, 5475, 5254, 5469, 5601, 5670, 5389, 5430, 5625, 5467, 5258, 5709, 5483, 5538 (2 hits)
22	9	1.0	333.0	Yes	5506.9MHz,-63.0dBm	Hop sequence: 5448, 5615, 5379, 5449, 5653, 5318, 5682, 5368, 5309,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5434, 5347, 5299, 5383, 5439, 5533, 5707, 5270, 5704, 5501, 5655, 5671, 5670, 5344, 5692, 5524, 5578, 5271, 5500, 5327, 5287, 5525, 5627, 5378, 5342, 5681, 5307, 5658, 5645, 5294, 5534, 5549, 5515, 5532, 5643, 5489, 5618, 5414, 5606, 5300, 5603, 5612, 5495, 5722, 5709, 5373, 5505, 5470, 5417, 5481, 5535, 5436, 5437, 5443, 5705, 5340, 5474, 5639, 5296, 5613, 5715, 5463, 5371, 5322, 5710, 5553, 5376, 5579, 5583, 5391, 5483, 5562, 5321, 5323, 5594, 5400, 5557, 5559, 5461, 5563, 5406, 5513, 5597, 5428, 5331, 5452, 5660, 5374, 5519, 5521, 5297 (1 hits)
23	9	1.0	333.0	Yes	5507.9MHz,-63.0dBm	Hop sequence: 5502, 5490, 5515, 5300, 5547, 5365, 5576, 5360, 5510, 5335, 5464, 5295, 5427, 5384, 5724, 5640, 5487, 5493, 5639, 5672, 5348, 5381, 5720, 5267, 5610, 5349, 5641, 5508, 5667, 5419, 5321, 5400, 5673, 5682, 5431, 5668, 5341, 5591, 5514, 5416, 5725, 5675, 5549, 5367, 5634, 5313, 5536, 5534, 5332, 5592, 5302, 5648, 5395, 5362, 5595, 5669, 5563, 5630, 5670, 5319, 5519, 5548, 5662, 5694, 5450, 5605, 5596, 5452, 5390, 5345, 5280, 5704, 5446, 5417, 5541, 5517, 5322, 5460, 5489, 5693, 5603, 5491, 5509, 5663, 5259, 5258, 5554, 5589, 5685, 5353, 5470, 5691, 5537, 5289, 5441, 5503, 5707, 5658, 5553, 5377 (4 hits)
24	9	1.0	333.0	Yes	5508.9MHz,-63.0dBm	Hop sequence: 5531, 5655, 5600, 5571, 5584, 5378, 5401, 5493, 5463, 5405, 5417, 5677, 5533, 5308, 5264, 5545, 5695, 5574, 5691, 5316, 5567,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5646, 5259, 5709, 5681, 5689, 5719, 5626, 5606, 5617, 5564, 5526, 5515, 5550, 5508, 5385, 5345, 5540, 5717, 5472, 5616, 5260, 5366, 5535, 5422, 5257, 5372, 5678, 5687, 5325, 5478, 5521, 5416, 5592, 5433, 5539, 5439, 5724, 5267, 5554, 5482, 5532, 5581, 5268, 5523, 5442, 5395, 5629, 5266, 5634, 5261, 5530, 5565, 5304, 5474, 5601, 5641, 5449, 5404, 5675, 5290, 5548, 5392, 5390, 5590, 5377, 5657, 5699, 5569, 5557, 5286, 5353, 5274, 5336, 5603, 5480, 5656, 5487, 5464, 5451 (1 hits)
25	9	1.0	333.0	Yes	5509.9MHz,-63.0dBm	Hop sequence: 5542, 5422, 5424, 5671, 5400, 5553, 5563, 5491, 5584, 5297, 5706, 5503, 5272, 5702, 5557, 5670, 5252, 5274, 5463, 5547, 5678, 5464, 5509, 5480, 5639, 5340, 5337, 5517, 5624, 5708, 5633, 5629, 5360, 5399, 5471, 5506, 5704, 5437, 5410, 5432, 5705, 5419, 5384, 5510, 5334, 5377, 5358, 5291, 5520, 5375, 5309, 5682, 5655, 5621, 5367, 5703, 5396, 5562, 5352, 5711, 5363, 5612, 5719, 5308, 5364, 5676, 5418, 5501, 5380, 5715, 5495, 5677, 5395, 5469, 5634, 5570, 5404, 5631, 5451, 5483, 5599, 5538, 5627, 5438, 5516, 5262, 5331, 5284, 5443, 5686, 5264, 5283, 5576, 5651, 5701, 5662, 5338, 5326, 5261, 5391 (3 hits)
26	9	1.0	333.0	Yes	5510.9MHz,-63.0dBm	Hop sequence: 5683, 5461, 5366, 5559, 5388, 5502, 5424, 5604, 5380, 5630, 5524, 5620, 5267, 5377, 5706, 5586, 5407, 5634, 5496, 5513, 5660, 5724, 5610, 5613, 5466, 5609, 5393, 5325, 5345, 5602, 5701, 5472, 5534,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5503, 5526, 5646, 5429, 5438, 5561, 5643, 5462, 5489, 5505, 5593, 5265, 5428, 5679, 5344, 5494, 5687, 5705, 5414, 5322, 5296, 5581, 5655, 5531, 5476, 5415, 5446, 5304, 5368, 5665, 5514, 5320, 5588, 5387, 5330, 5373, 5645, 5587, 5311, 5299, 5508, 5374, 5303, 5515, 5583, 5626, 5529, 5702, 5266, 5317, 5459, 5339, 5542, 5318, 5273, 5445, 5426, 5385, 5411, 5595, 5355, 5580, 5538, 5677, 5406, 5667, 5283 (3 hits)
27	9	1.0	333.0	Yes	5511.9MHz,-63.0dBm	Hop sequence: 5578, 5710, 5480, 5704, 5590, 5439, 5697, 5287, 5631, 5617, 5619, 5385, 5637, 5678, 5551, 5463, 5508, 5603, 5717, 5703, 5588, 5646, 5673, 5455, 5705, 5376, 5301, 5693, 5601, 5466, 5572, 5696, 5586, 5574, 5642, 5304, 5277, 5464, 5435, 5341, 5548, 5671, 5310, 5662, 5575, 5352, 5263, 5444, 5635, 5564, 5609, 5351, 5476, 5458, 5403, 5629, 5723, 5461, 5358, 5516, 5270, 5321, 5362, 5423, 5441, 5493, 5533, 5398, 5491, 5344, 5509, 5506, 5720, 5515, 5712, 5350, 5355, 5553, 5286, 5427, 5474, 5539, 5452, 5534, 5446, 5428, 5371, 5660, 5467, 5308, 5251, 5477, 5442, 5354, 5510, 5384, 5421, 5380, 5484, 5353 (4 hits)
28	9	1.0	333.0	Yes	5512.9MHz,-63.0dBm	Hop sequence: 5573, 5478, 5611, 5456, 5694, 5626, 5379, 5414, 5357, 5583, 5320, 5586, 5390, 5258, 5418, 5302, 5425, 5505, 5287, 5342, 5713, 5542, 5569, 5566, 5356, 5369, 5619, 5677, 5547, 5676, 5604, 5469, 5503, 5634, 5610, 5280, 5678, 5673, 5725, 5700, 5643, 5708, 5515, 5436, 5719,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5335, 5264, 5525, 5401, 5563, 5427, 5274, 5707, 5338, 5524, 5500, 5389, 5492, 5517, 5489, 5410, 5644, 5656, 5261, 5545, 5400, 5446, 5375, 5455, 5423, 5346, 5588, 5399, 5319, 5273, 5448, 5288, 5413, 5372, 5712, 5717, 5289, 5723, 5278, 5705, 5703, 5325, 5295, 5348, 5575, 5352, 5627, 5520, 5281, 5680, 5584, 5437, 5516, 5466, 5507 (1 hits)
29	9	1.0	333.0	Yes	5513.9MHz,-63.0dBm	Hop sequence: 5441, 5526, 5379, 5717, 5368, 5462, 5345, 5688, 5334, 5259, 5448, 5517, 5501, 5539, 5562, 5721, 5267, 5701, 5602, 5563, 5645, 5351, 5584, 5560, 5279, 5551, 5404, 5625, 5258, 5677, 5289, 5371, 5702, 5287, 5266, 5401, 5470, 5696, 5533, 5627, 5716, 5328, 5659, 5629, 5280, 5466, 5648, 5367, 5547, 5390, 5666, 5505, 5276, 5502, 5714, 5369, 5512, 5439, 5303, 5587, 5494, 5374, 5619, 5705, 5257, 5479, 5283, 5330, 5571, 5378, 5407, 5663, 5621, 5327, 5252, 5603, 5643, 5593, 5362, 5436, 5694, 5606, 5318, 5432, 5604, 5355, 5300, 5358, 5451, 5265, 5354, 5387, 5340, 5426, 5620, 5722, 5498, 5337, 5670, 5650 (1 hits)
30	9	1.0	333.0	Yes	5514.1MHz,-63.0dBm	Hop sequence: 5585, 5725, 5370, 5322, 5425, 5546, 5614, 5371, 5419, 5312, 5486, 5559, 5650, 5539, 5348, 5680, 5397, 5496, 5634, 5408, 5693, 5281, 5656, 5467, 5469, 5481, 5572, 5597, 5351, 5514, 5349, 5575, 5659, 5710, 5462, 5274, 5692, 5544, 5617, 5505, 5310, 5416, 5380, 5504, 5395, 5702, 5475, 5297, 5628, 5499, 5420, 5681, 5446, 5662, 5714, 5679, 5263,

Table 88 - FCC frequency hopping radar (Type 6) Results 10MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5654, 5414, 5704, 5376, 5571, 5667, 5607, 5582, 5540, 5398, 5440, 5378, 5341, 5400, 5591, 5375, 5453, 5309, 5640, 5430, 5304, 5664, 5708, 5294, 5269, 5328, 5550, 5603, 5531, 5709, 5383, 5325, 5298, 5412, 5697, 5436, 5602, 5407, 5343, 5313, 5533, 5670, 5520 (1 hits)

Table 89 - Detection Bandwidth Measurements (Bandwidth: $\pm 8.2\text{MHz}$) 20MHz

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5501.00 MHz	0	2	0
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5501.80 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5502.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5503.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5504.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5505.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5510.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5515.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5516.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5517.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5518.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5518.20 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5519.00 MHz	0	2	0

Table 90 - Summary of All Results 20MHz

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1A)	100.0 %	60.0 %	15	PASSED
FCC Short Pulse Radar (Type 1B)	100.0 %	60.0 %	15	PASSED
FCC Short Pulse Radar (Type 2)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	96.7 %	60.0 %	30	PASSED
Aggregate of above results	99.2 %	80.0 %	120	PASSED
FCC Long Pulse Radar (Type 5)	100.0 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	97.2 %	70.0 %	36	PASSED

Table 91 - FCC Short Pulse Radar (Type 1A) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	95	1.0	558.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	70	1.0	758.0	Yes	5511.8MHz,-64.0dBm	Single burst
3	99	1.0	538.0	Yes	5515.0MHz,-64.0dBm	Single burst
4	86	1.0	618.0	Yes	5516.8MHz,-64.0dBm	Single burst
5	76	1.0	698.0	Yes	5518.2MHz,-64.0dBm	Single burst
6	18	1.0	3066.0	Yes	5501.8MHz,-64.0dBm	Single burst
7	89	1.0	598.0	Yes	5503.0MHz,-64.0dBm	Single burst
8	102	1.0	518.0	Yes	5504.1MHz,-64.0dBm	Single burst
9	67	1.0	798.0	Yes	5506.5MHz,-64.0dBm	Single burst
10	63	1.0	838.0	Yes	5507.5MHz,-64.0dBm	Single burst
11	62	1.0	858.0	Yes	5501.2MHz,-64.0dBm	Single burst
12	65	1.0	818.0	Yes	5503.5MHz,-64.0dBm	Single burst
13	72	1.0	738.0	Yes	5515.3MHz,-64.0dBm	Single burst
14	61	1.0	878.0	Yes	5517.5MHz,-64.0dBm	Single burst
15	59	1.0	898.0	Yes	5518.2MHz,-64.0dBm	Single burst

Table 92 - FCC Short Pulse Radar (Type 1B) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	24	1.0	2236.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	64	1.0	825.0	Yes	5511.6MHz,-64.0dBm	Single burst
3	41	1.0	1291.0	Yes	5514.6MHz,-64.0dBm	Single burst
4	55	1.0	971.0	Yes	5515.9MHz,-64.0dBm	Single burst
5	22	1.0	2399.0	Yes	5517.4MHz,-64.0dBm	Single burst
6	21	1.0	2631.0	Yes	5518.2MHz,-64.0dBm	Single burst
7	23	1.0	2359.0	Yes	5501.8MHz,-64.0dBm	Single burst
8	27	1.0	2026.0	Yes	5504.1MHz,-64.0dBm	Single burst
9	62	1.0	852.0	Yes	5506.1MHz,-64.0dBm	Single burst
10	21	1.0	2579.0	Yes	5507.8MHz,-64.0dBm	Single burst
11	18	1.0	3012.0	Yes	5510.5MHz,-64.0dBm	Single burst
12	40	1.0	1324.0	Yes	5511.9MHz,-64.0dBm	Single burst
13	18	1.0	2953.0	Yes	5514.3MHz,-64.0dBm	Single burst
14	27	1.0	2014.0	Yes	5515.9MHz,-64.0dBm	Single burst
15	54	1.0	986.0	Yes	5518.2MHz,-64.0dBm	Single burst

Table 93 - FCC Short Pulse Radar (Type 2) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	28	4.7	170.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	28	2.3	228.0	Yes	5511.6MHz,-64.0dBm	Single burst
3	24	1.0	152.0	Yes	5514.6MHz,-64.0dBm	Single burst
4	28	3.2	173.0	Yes	5515.9MHz,-64.0dBm	Single burst
5	27	1.8	167.0	Yes	5517.4MHz,-64.0dBm	Single burst
6	29	1.1	190.0	Yes	5518.2MHz,-64.0dBm	Single burst
7	26	4.2	182.0	Yes	5510.0MHz,-64.0dBm	Single burst
8	24	1.9	196.0	Yes	5507.8MHz,-64.0dBm	Single burst
9	26	3.7	191.0	Yes	5510.5MHz,-64.0dBm	Single burst
10	25	2.0	196.0	Yes	5511.9MHz,-64.0dBm	Single burst
11	27	3.7	210.0	Yes	5514.3MHz,-64.0dBm	Single burst
12	25	2.3	176.0	Yes	5510.0MHz,-64.0dBm	Single burst
13	29	2.0	218.0	Yes	5505.7MHz,-64.0dBm	Single burst
14	27	2.4	154.0	Yes	5508.4MHz,-64.0dBm	Single burst
15	23	3.3	229.0	Yes	5511.5MHz,-64.0dBm	Single burst
16	24	1.9	173.0	Yes	5510.0MHz,-64.0dBm	Single burst
17	27	1.2	156.0	Yes	5512.0MHz,-64.0dBm	Single burst
18	27	2.4	227.0	Yes	5513.6MHz,-64.0dBm	Single burst
19	24	3.5	187.0	Yes	5517.3MHz,-64.0dBm	Single burst
20	26	4.2	213.0	Yes	5518.1MHz,-64.0dBm	Single burst
21	25	2.3	198.0	Yes	5501.9MHz,-64.0dBm	Single burst
22	27	2.8	205.0	Yes	5502.5MHz,-64.0dBm	Single burst
23	24	4.6	188.0	Yes	5503.6MHz,-64.0dBm	Single burst
24	24	2.1	204.0	Yes	5505.7MHz,-64.0dBm	Single burst
25	25	1.1	182.0	Yes	5508.4MHz,-64.0dBm	Single burst
26	23	3.7	168.0	Yes	5511.5MHz,-64.0dBm	Single burst
27	26	4.2	206.0	Yes	5513.5MHz,-64.0dBm	Single burst
28	25	3.8	212.0	Yes	5515.0MHz,-64.0dBm	Single burst
29	27	2.0	190.0	Yes	5518.1MHz,-64.0dBm	Single burst
30	27	2.3	157.0	Yes	5501.9MHz,-64.0dBm	Single burst

Table 94 - FCC Short Pulse Radar (Type 3) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	17	9.3	225.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	18	7.4	301.0	Yes	5513.5MHz,-64.0dBm	Single burst
3	17	7.7	274.0	Yes	5516.5MHz,-64.0dBm	Single burst
4	17	6.9	499.0	Yes	5517.6MHz,-64.0dBm	Single burst
5	17	9.9	494.0	Yes	5518.1MHz,-64.0dBm	Single burst
6	17	9.6	451.0	Yes	5501.9MHz,-64.0dBm	Single burst
7	17	9.5	345.0	Yes	5504.4MHz,-64.0dBm	Single burst
8	17	9.4	237.0	Yes	5508.2MHz,-64.0dBm	Single burst
9	17	6.3	253.0	Yes	5510.6MHz,-64.0dBm	Single burst
10	17	8.9	325.0	Yes	5514.1MHz,-64.0dBm	Single burst
11	17	9.2	434.0	Yes	5516.8MHz,-64.0dBm	Single burst
12	17	9.3	485.0	Yes	5518.1MHz,-64.0dBm	Single burst
13	16	7.5	466.0	Yes	5518.1MHz,-64.0dBm	Single burst
14	16	7.7	287.0	Yes	5501.9MHz,-64.0dBm	Single burst
15	17	8.7	414.0	Yes	5503.7MHz,-64.0dBm	Single burst
16	17	8.9	447.0	Yes	5507.2MHz,-64.0dBm	Single burst
17	18	9.7	371.0	Yes	5510.4MHz,-64.0dBm	Single burst
18	17	8.0	317.0	Yes	5514.3MHz,-64.0dBm	Single burst
19	18	7.6	415.0	Yes	5515.4MHz,-64.0dBm	Single burst
20	16	7.3	225.0	Yes	5516.7MHz,-64.0dBm	Single burst
21	17	7.1	231.0	Yes	5518.1MHz,-64.0dBm	Single burst
22	17	9.3	439.0	Yes	5501.9MHz,-64.0dBm	Single burst
23	18	6.8	380.0	Yes	5503.6MHz,-64.0dBm	Single burst
24	17	8.8	318.0	Yes	5505.0MHz,-64.0dBm	Single burst
25	17	7.1	366.0	Yes	5508.6MHz,-64.0dBm	Single burst
26	17	8.8	481.0	Yes	5510.5MHz,-64.0dBm	Single burst
27	16	8.5	358.0	Yes	5512.2MHz,-64.0dBm	Single burst
28	17	7.3	452.0	Yes	5514.9MHz,-64.0dBm	Single burst
29	18	9.2	256.0	Yes	5517.8MHz,-64.0dBm	Single burst
30	18	7.8	467.0	Yes	5518.1MHz,-64.0dBm	Single burst

Table 95 - FCC Short Pulse Radar (Type 4) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	13	15.1	489.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	14	15.2	357.0	Yes	5513.3MHz,-64.0dBm	Single burst
3	13	13.8	400.0	Yes	5516.9MHz,-64.0dBm	Single burst
4	13	12.4	420.0	Yes	5518.1MHz,-64.0dBm	Single burst
5	12	19.8	364.0	Yes	5501.9MHz,-64.0dBm	Single burst
6	15	16.5	408.0	Yes	5503.1MHz,-64.0dBm	Single burst
7	15	18.7	369.0	Yes	5505.1MHz,-64.0dBm	Single burst
8	13	19.7	407.0	Yes	5507.7MHz,-64.0dBm	Single burst
9	14	12.3	275.0	Yes	5510.8MHz,-64.0dBm	Single burst
10	15	14.5	384.0	Yes	5513.0MHz,-64.0dBm	Single burst
11	14	15.0	464.0	Yes	5516.2MHz,-64.0dBm	Single burst
12	15	18.0	434.0	No	5517.6MHz,-64.0dBm	Single burst
13	16	14.9	293.0	Yes	5517.6MHz,-64.0dBm	Single burst
14	15	14.0	342.0	Yes	5518.1MHz,-64.0dBm	Single burst
15	14	16.7	271.0	Yes	5501.9MHz,-64.0dBm	Single burst
16	14	11.6	259.0	Yes	5502.0MHz,-64.0dBm	Single burst
17	13	14.3	303.0	Yes	5505.1MHz,-64.0dBm	Single burst
18	12	15.0	225.0	Yes	5509.1MHz,-64.0dBm	Single burst
19	15	17.1	263.0	Yes	5512.3MHz,-64.0dBm	Single burst
20	16	18.0	371.0	Yes	5514.2MHz,-64.0dBm	Single burst
21	16	17.1	441.0	Yes	5517.1MHz,-64.0dBm	Single burst
22	16	12.6	469.0	Yes	5518.1MHz,-64.0dBm	Single burst
23	12	16.6	330.0	Yes	5501.9MHz,-64.0dBm	Single burst
24	14	13.8	223.0	Yes	5503.5MHz,-64.0dBm	Single burst
25	13	12.0	300.0	Yes	5506.9MHz,-64.0dBm	Single burst
26	16	19.3	472.0	Yes	5509.0MHz,-64.0dBm	Single burst
27	14	12.5	408.0	Yes	5512.2MHz,-64.0dBm	Single burst
28	15	18.9	286.0	Yes	5513.4MHz,-64.0dBm	Single burst
29	15	13.8	338.0	Yes	5514.7MHz,-64.0dBm	Single burst
30	15	14.4	482.0	Yes	5518.1MHz,-64.0dBm	Single burst

Table 96 - FCC Long Pulse Radar (Type 5) Waveform Summary 20MHz		
FCC Long Pulse Radar (Type 5) Trial	Result	Frequency, Level
Trial #1	Detected	5510.0MHz, -64.0dBm
Trial #2	Detected	5510.0MHz, -64.0dBm
Trial #3	Detected	5510.0MHz, -64.0dBm
Trial #4	Detected	5510.0MHz, -64.0dBm
Trial #5	Detected	5510.0MHz, -64.0dBm
Trial #6	Detected	5510.0MHz, -64.0dBm
Trial #7	Detected	5510.0MHz, -64.0dBm
Trial #8	Detected	5510.0MHz, -64.0dBm
Trial #9	Detected	5510.0MHz, -64.0dBm
Trial #10	Detected	5510.0MHz, -64.0dBm
Trial #11	Detected	5507.4MHz, -64.0dBm
Trial #12	Detected	5509.1MHz, -64.0dBm
Trial #13	Detected	5507.9MHz, -64.0dBm
Trial #14	Detected	5507.1MHz, -64.0dBm
Trial #15	Detected	5509.9MHz, -64.0dBm
Trial #16	Detected	5508.2MHz, -64.0dBm
Trial #17	Detected	5507.4MHz, -64.0dBm
Trial #18	Detected	5504.2MHz, -64.0dBm
Trial #19	Detected	5505.1MHz, -64.0dBm
Trial #20	Detected	5507.1MHz, -64.0dBm
Trial #21	Detected	5514.9MHz, -64.0dBm
Trial #22	Detected	5514.1MHz, -64.0dBm
Trial #23	Detected	5514.6MHz, -64.0dBm
Trial #24	Detected	5511.8MHz, -64.0dBm
Trial #25	Detected	5513.4MHz, -64.0dBm
Trial #26	Detected	5514.6MHz, -64.0dBm
Trial #27	Detected	5511.4MHz, -64.0dBm
Trial #28	Detected	5511.4MHz, -64.0dBm
Trial #29	Detected	5512.9MHz, -64.0dBm
Trial #30	Detected	5510.9MHz, -64.0dBm

The frequency is fixed for trials 1-10. For trials 11-30 the radar frequency varies for the remainder of the trials such that 90% of the chirp is within the occupied bandwidth¹. This is in accordance with FCC KDB 905462 D02 7.8.4.2. The actual frequency for trials 11-30 are randomly selected based on the occupied bandwidth of the device and the chirp frequency for each trial. Trials 11-20 are performed with the radar frequency in the lower half of the occupied bandwidth and trials 21-30 are performed with the radar frequency in the upper half of the occupied bandwidth. For example, trial 13 used a chirp width of 15 MHz, 40% of 15 is 6 MHz, therefore the radar frequency is set to 5507.9 MHz (5501.9+6).

¹ Note that if the chirp width exceeds ½ of the occupied bandwidth, less than 90% of the chirp range may be within the occupied bandwidth.

Table 97 - FCC Long Pulse Radar (Type 5) 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	3	67.1	16	1883.0	1479.0	0.273350
2	2	91.3	16	1124.0	-	1.066547
3	2	88.6	16	1348.0	-	1.785548
4	3	79.9	16	1245.0	1928.0	2.375938
5	1	82.0	16	-	-	2.736716
6	1	52.5	16	-	-	3.900260
7	2	52.4	16	1243.0	-	4.268855
8	3	67.6	16	1316.0	1900.0	5.193302
9	3	89.0	16	1950.0	1099.0	5.347284
10	3	56.9	16	1796.0	1554.0	6.396372
11	2	61.0	16	1919.0	-	6.954223
12	1	94.2	16	-	-	7.754975
13	2	70.2	16	1154.0	-	8.312152
14	3	64.4	16	1320.0	1532.0	8.860624
15	1	96.9	16	-	-	9.704532
16	1	64.8	16	-	-	10.537211
17	2	63.0	16	1944.0	-	10.891864
18	1	95.4	16	-	-	11.466381

Table 98 - FCC Long Pulse Radar (Type 5) 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	85.1	5	1402.0	1403.0	0.295489
2	2	57.6	5	1670.0	-	1.076898
3	2	97.2	5	1667.0	-	1.900035
4	2	68.5	5	1844.0	-	2.737935
5	1	95.0	5	-	-	3.169009
6	1	93.6	5	-	-	4.162012
7	1	64.8	5	-	-	5.142280
8	2	87.4	5	1538.0	-	5.623582
9	2	53.9	5	1059.0	-	6.725291
10	2	75.5	5	1875.0	-	7.477398
11	2	66.9	5	1199.0	-	7.861383
12	3	98.1	5	1112.0	1549.0	8.866727
13	3	97.9	5	1156.0	1749.0	9.693750
14	2	94.7	5	1446.0	-	10.336021
15	1	59.3	5	-	-	10.522715
16	3	83.7	5	1613.0	1426.0	11.630357

Table 99 - FCC Long Pulse Radar (Type 5) 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	57.6	10	1840.0	-	0.712429
2	2	87.1	10	1605.0	-	1.052854
3	2	97.2	10	1161.0	-	1.656044
4	2	94.8	10	1969.0	-	3.111629
5	2	86.6	10	1164.0	-	3.588338
6	1	89.2	10	-	-	4.235740
7	2	51.8	10	1503.0	-	5.205581
8	2	68.2	10	1221.0	-	5.986790
9	1	85.2	10	-	-	6.755599
10	2	79.0	10	1726.0	-	7.417082
11	2	73.6	10	1997.0	-	8.709216
12	2	84.7	10	1945.0	-	8.910086
13	1	80.2	10	-	-	10.102506
14	2	77.7	10	1308.0	-	10.507139
15	3	77.4	10	1143.0	1699.0	11.921034

Table 100 - FCC Long Pulse Radar (Type 5) 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	61.3	8	1699.0	-	1.023240
2	2	61.9	8	1440.0	-	1.431851
3	1	73.1	8	-	-	3.260722
4	3	74.7	8	1858.0	1989.0	4.255065
5	3	61.1	8	1707.0	1232.0	4.870344
6	3	92.4	8	1638.0	1407.0	6.862251
7	1	98.7	8	-	-	7.972259
8	2	58.5	8	1584.0	-	8.717186
9	1	83.9	8	-	-	10.114758
10	2	90.9	8	1809.0	-	11.970704

Table 101 - FCC Long Pulse Radar (Type 5) 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	85.8	11	1337.0	-	0.235285
2	3	55.3	11	1651.0	1108.0	0.770307
3	2	51.3	11	1328.0	-	1.627691
4	2	57.8	11	1901.0	-	2.219728
5	1	93.9	11	-	-	2.545443
6	1	94.5	11	-	-	3.037984
7	2	60.7	11	1920.0	-	4.068873
8	1	92.8	11	-	-	4.565394
9	2	56.2	11	1967.0	-	5.217641
10	2	82.2	11	1780.0	-	5.847477
11	3	93.3	11	1932.0	1948.0	6.247853
12	2	50.2	11	1546.0	-	6.822189
13	2	83.4	11	1119.0	-	7.527099
14	2	53.4	11	1929.0	-	8.293753
15	2	79.9	11	1816.0	-	8.887331
16	1	72.6	11	-	-	9.576786
17	2	53.8	11	1897.0	-	10.102255
18	2	96.3	11	1136.0	-	10.470172
19	3	79.7	11	1115.0	1195.0	10.815835
20	3	62.2	11	1029.0	1048.0	11.596409

Table 102 - FCC Long Pulse Radar (Type 5) 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	65.6	12	1484.0	-	0.033720
2	1	61.1	12	-	-	1.046464
3	2	91.2	12	1088.0	-	2.170966
4	3	93.2	12	1757.0	1664.0	3.048530
5	3	52.9	12	1577.0	1543.0	3.913223
6	1	73.0	12	-	-	4.412886
7	2	89.4	12	1750.0	-	5.352674
8	1	71.5	12	-	-	6.111915
9	2	89.9	12	1763.0	-	7.561911
10	2	96.7	12	1973.0	-	8.534127
11	1	61.9	12	-	-	9.386172
12	1	64.6	12	-	-	9.570137
13	2	78.8	12	1260.0	-	10.781886
14	3	74.5	12	1713.0	1759.0	11.417663

Table 103 - FCC Long Pulse Radar (Type 5) 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	3	66.4	7	1148.0	1332.0	0.608052
2	3	74.0	7	1253.0	1323.0	0.954550
3	1	83.6	7	-	-	2.139416
4	1	54.2	7	-	-	2.927632
5	1	59.8	7	-	-	3.683236
6	2	97.7	7	1551.0	-	4.414445
7	1	58.2	7	-	-	5.287105
8	1	92.4	7	-	-	5.949655
9	1	69.9	7	-	-	6.934975
10	1	50.5	7	-	-	7.359448
11	1	92.9	7	-	-	8.010573
12	1	67.4	7	-	-	9.449915
13	2	59.1	7	1470.0	-	9.647014
14	3	57.8	7	1179.0	1461.0	10.497927
15	2	75.9	7	1797.0	-	11.841504

Table 104 - FCC Long Pulse Radar (Type 5) 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	3	77.5	7	1527.0	1505.0	0.114710
2	1	94.2	7	-	-	2.731396
3	2	86.9	7	1412.0	-	3.551306
4	2	90.3	7	1696.0	-	5.278421
5	2	72.5	7	1677.0	-	7.093577
6	1	62.4	7	-	-	8.389980
7	2	88.9	7	1440.0	-	10.337919
8	2	59.5	7	1291.0	-	11.413135

Table 105 - FCC Long Pulse Radar (Type 5) 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	98.6	13	1643.0	-	0.265202
2	2	61.0	13	1196.0	-	1.208536
3	2	52.8	13	1521.0	-	2.535611
4	2	85.5	13	1595.0	-	2.771942
5	2	57.3	13	1745.0	-	4.010214
6	2	71.3	13	1906.0	-	5.363336
7	2	96.5	13	1586.0	-	5.735372
8	2	62.9	13	1820.0	-	6.512484
9	2	58.9	13	1219.0	-	7.620899
10	2	69.1	13	1653.0	-	8.909468
11	1	67.3	13	-	-	9.244879
12	1	85.6	13	-	-	11.007802
13	2	86.5	13	1260.0	-	11.582577

Table 106 - FCC Long Pulse Radar (Type 5) 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	1	62.7	14	-	-	0.254222
2	2	86.8	14	1274.0	-	1.291509
3	1	82.9	14	-	-	2.055353
4	1	64.2	14	-	-	3.501452
5	2	66.3	14	1215.0	-	4.829583
6	2	53.9	14	1839.0	-	5.762754
7	1	60.6	14	-	-	6.479969
8	3	94.3	14	1087.0	1571.0	7.308336
9	2	64.2	14	1715.0	-	8.176879
10	2	99.7	14	1775.0	-	9.418523
11	2	97.4	14	1085.0	-	10.749101
12	2	65.2	14	1417.0	-	11.655231

Table 107 - FCC Long Pulse Radar (Type 5) 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	1	82.0	14	-	-	0.401306
2	2	54.4	14	1163.0	-	1.688073
3	3	73.0	14	1849.0	1471.0	1.789808
4	1	67.7	14	-	-	3.318287
5	2	79.4	14	1845.0	-	3.558597
6	2	55.6	14	1034.0	-	5.112685
7	2	74.1	14	1155.0	-	5.850890
8	2	91.6	14	1753.0	-	6.027511
9	2	54.9	14	1011.0	-	7.236739
10	2	79.8	14	1489.0	-	7.852379
11	3	61.9	14	1417.0	1847.0	8.952981
12	3	74.8	14	1796.0	1161.0	10.152197
13	2	92.6	14	1920.0	-	10.470643
14	1	93.3	14	-	-	11.937178

Table 108 - FCC Long Pulse Radar (Type 5) 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	1	80.1	18	-	-	0.254276
2	1	62.5	18	-	-	2.315208
3	2	60.2	18	1070.0	-	2.866561
4	1	97.2	18	-	-	4.098258
5	1	68.3	18	-	-	4.842337
6	2	97.0	18	1716.0	-	7.021875
7	3	67.2	18	1510.0	1318.0	7.888448
8	2	97.2	18	1999.0	-	8.553769
9	2	78.0	18	1916.0	-	9.870076
10	1	62.3	18	-	-	11.419707

Table 109 - FCC Long Pulse Radar (Type 5) 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	3	59.0	15	1428.0	1591.0	0.158622
2	2	59.2	15	1305.0	-	1.083552
3	2	79.1	15	1280.0	-	1.325285
4	3	84.0	15	1733.0	1313.0	2.048015
5	1	57.4	15	-	-	3.025179
6	2	55.8	15	1418.0	-	3.358761
7	3	95.6	15	1896.0	1708.0	3.886389
8	1	74.9	15	-	-	4.504929
9	2	67.9	15	1608.0	-	5.242594
10	1	62.2	15	-	-	5.730122
11	2	55.7	15	1498.0	-	6.523379
12	2	58.7	15	1180.0	-	7.365951
13	3	57.1	15	1598.0	1071.0	7.940307
14	2	55.6	15	1221.0	-	8.439918
15	1	80.1	15	-	-	9.256782
16	1	65.6	15	-	-	9.803245
17	3	84.0	15	1588.0	1742.0	10.577414
18	2	70.7	15	1990.0	-	11.355835
19	3	62.0	15	1951.0	1087.0	11.733193

Table 110 - FCC Long Pulse Radar (Type 5) 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	79.6	13	-	-	0.123576
2	2	92.0	13	1014.0	-	1.886075
3	2	56.0	13	1361.0	-	2.751582
4	1	66.0	13	-	-	4.011484
5	2	71.5	13	1642.0	-	5.035434
6	3	85.2	13	1983.0	1112.0	6.219841
7	2	80.9	13	1583.0	-	7.066272
8	1	80.5	13	-	-	7.956081
9	2	59.1	13	1444.0	-	8.953957
10	2	94.0	13	1207.0	-	9.836968
11	3	57.1	13	1926.0	1319.0	11.735834

Table 111 - FCC Long Pulse Radar (Type 5) 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	3	72.3	20	1413.0	1194.0	0.278302
2	2	87.2	20	1540.0	-	1.419107
3	3	75.5	20	1666.0	1001.0	1.524763
4	3	54.4	20	1183.0	1047.0	2.425997
5	1	94.5	20	-	-	3.253891
6	1	96.0	20	-	-	4.338514
7	3	88.6	20	1159.0	1933.0	4.730607
8	3	93.9	20	1003.0	1302.0	5.956009
9	2	73.8	20	1675.0	-	6.019676
10	1	62.6	20	-	-	7.280635
11	1	50.6	20	-	-	7.510859
12	1	59.5	20	-	-	8.841751
13	2	60.4	20	1210.0	-	9.357501
14	1	68.4	20	-	-	9.970551
15	1	50.2	20	-	-	10.553649
16	1	54.7	20	-	-	11.705255

Table 112 - FCC Long Pulse Radar (Type 5) 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	3	77.3	16	1632.0	1943.0	0.123385
2	2	88.5	16	1671.0	-	0.837004
3	2	68.3	16	1989.0	-	1.707612
4	2	82.8	16	1076.0	-	2.338117
5	1	55.2	16	-	-	3.489254
6	2	56.1	16	1646.0	-	4.169893
7	1	84.4	16	-	-	5.239628
8	2	60.6	16	1214.0	-	5.853566
9	1	85.8	16	-	-	6.110784
10	2	81.0	16	1126.0	-	7.355310
11	3	57.6	16	1113.0	1438.0	7.888560
12	3	63.4	16	1980.0	1986.0	8.857911
13	2	61.7	16	1406.0	-	9.332445
14	2	96.2	16	1171.0	-	10.116121
15	1	55.6	16	-	-	10.998390
16	3	99.6	16	1910.0	1180.0	11.737394

Table 113 - FCC Long Pulse Radar (Type 5) 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	1	96.9	14	-	-	0.819979
2	2	90.7	14	1844.0	-	1.153354
3	1	95.1	14	-	-	2.211152
4	2	58.4	14	1645.0	-	3.134836
5	3	84.3	14	1585.0	1944.0	4.699009
6	3	85.8	14	1307.0	1029.0	5.786640
7	3	85.4	14	1615.0	1200.0	6.107334
8	3	54.0	14	1749.0	1306.0	7.207869
9	2	83.3	14	1346.0	-	8.780887
10	1	93.6	14	-	-	9.044984
11	3	63.3	14	1475.0	1355.0	10.981739
12	2	57.3	14	1643.0	-	11.483055

Table 114 - FCC Long Pulse Radar (Type 5) 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	3	72.2	6	1893.0	1465.0	0.407239
2	2	65.4	6	1442.0	-	1.810308
3	2	72.1	6	1493.0	-	3.491373
4	3	89.8	6	1827.0	1712.0	4.625709
5	3	87.4	6	1728.0	1452.0	5.686625
6	1	86.7	6	-	-	7.347880
7	1	99.7	6	-	-	8.283723
8	2	64.0	6	1888.0	-	9.434281
9	2	79.4	6	1289.0	-	11.934792

Table 115 - FCC Long Pulse Radar (Type 5) 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	3	66.0	8	1608.0	1945.0	0.471470
2	2	59.6	8	1285.0	-	0.706446
3	3	80.9	8	1787.0	1765.0	1.739477
4	2	74.7	8	1907.0	-	2.482435
5	2	68.0	8	1557.0	-	2.936545
6	2	75.8	8	1848.0	-	3.161178
7	3	96.4	8	1723.0	1824.0	4.303511
8	2	76.4	8	1818.0	-	4.706571
9	1	59.6	8	-	-	5.221067
10	1	52.6	8	-	-	6.117597
11	1	84.2	8	-	-	6.789547
12	1	78.4	8	-	-	7.371016
13	2	88.8	8	1072.0	-	7.835768
14	2	72.3	8	1584.0	-	8.413926
15	2	68.5	8	1501.0	-	9.158997
16	2	92.3	8	1223.0	-	9.588179
17	2	79.5	8	1268.0	-	10.629233
18	2	58.4	8	1322.0	-	10.797400
19	2	56.0	8	1511.0	-	11.894807

Table 116 - FCC Long Pulse Radar (Type 5) 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	87.3	13	1188.0	-	0.073268
2	2	90.4	13	1779.0	-	1.792950
3	2	86.6	13	1997.0	-	2.188360
4	2	54.3	13	1897.0	-	3.424739
5	2	98.1	13	1201.0	-	3.989694
6	3	71.6	13	1510.0	1007.0	5.286963
7	3	69.4	13	1550.0	1200.0	6.354826
8	3	83.7	13	1569.0	1156.0	7.313800
9	1	54.9	13	-	-	7.720520
10	2	81.9	13	1891.0	-	9.059357
11	2	56.7	13	1616.0	-	10.124547
12	2	56.2	13	1148.0	-	10.372504
13	1	80.0	13	-	-	11.890264

Table 117 - FCC Long Pulse Radar (Type 5) 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	1	52.7	8	-	-	0.075982
2	2	90.2	8	1232.0	-	1.105786
3	1	76.5	8	-	-	1.927121
4	3	67.4	8	1017.0	1062.0	2.526192
5	1	78.7	8	-	-	3.080082
6	1	63.2	8	-	-	3.914326
7	2	91.5	8	1316.0	-	4.094604
8	1	81.3	8	-	-	5.215894
9	3	79.1	8	1032.0	1765.0	5.722156
10	2	50.8	8	1945.0	-	6.482433
11	1	89.8	8	-	-	6.893244
12	2	95.4	8	1199.0	-	7.848769
13	2	71.4	8	1911.0	-	8.540364
14	2	52.8	8	1245.0	-	8.690624
15	2	76.0	8	1485.0	-	9.674028
16	2	77.4	8	1447.0	-	10.624179
17	3	89.6	8	1636.0	1065.0	10.948781
18	2	79.9	8	1062.0	-	11.390002

Table 118 - FCC Long Pulse Radar (Type 5) 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	50.3	10	1639.0	-	0.051591
2	2	50.1	10	1849.0	-	1.154681
3	2	87.5	10	1049.0	-	2.401738
4	1	58.0	10	-	-	3.462858
5	3	62.4	10	1479.0	1827.0	4.881396
6	1	55.7	10	-	-	6.393090
7	3	93.6	10	1372.0	1933.0	6.920141
8	1	61.7	10	-	-	7.836645
9	3	66.5	10	1460.0	1913.0	9.806579
10	2	75.0	10	1387.0	-	9.928764
11	3	57.4	10	1966.0	1134.0	11.356299

Table 119 - FCC Long Pulse Radar (Type 5) 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	69.7	9	1577.0	1211.0	0.229711
2	2	90.3	9	1800.0	-	1.459713
3	1	66.5	9	-	-	2.310414
4	3	98.2	9	1875.0	1134.0	2.596457
5	3	86.1	9	1402.0	1359.0	3.603602
6	1	99.5	9	-	-	4.266128
7	3	60.4	9	1390.0	1790.0	5.135291
8	2	70.7	9	1147.0	-	6.381628
9	2	64.2	9	1910.0	-	6.863267
10	1	84.9	9	-	-	7.801815
11	1	76.6	9	-	-	8.006141
12	2	76.9	9	1109.0	-	8.919647
13	1	65.4	9	-	-	10.125476
14	3	65.1	9	1056.0	1289.0	10.440278
15	1	54.8	9	-	-	11.474355

Table 120 - FCC Long Pulse Radar (Type 5) 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	54.2	16	-	-	0.887658
2	2	67.0	16	1445.0	-	1.916672
3	2	85.5	16	1906.0	-	4.449992
4	2	84.2	16	1585.0	-	5.325871
5	1	88.4	16	-	-	6.459795
6	3	96.4	16	1843.0	1056.0	7.713700
7	2	60.4	16	1771.0	-	9.653230
8	2	86.5	16	1553.0	-	11.160760

Table 121 - FCC Long Pulse Radar (Type 5) 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	70.3	12	-	-	0.036537
2	2	55.5	12	1218.0	-	1.580391
3	1	53.4	12	-	-	3.174335
4	2	98.1	12	1776.0	-	4.218707
5	3	82.8	12	1306.0	1240.0	5.408243
6	3	60.3	12	1288.0	1750.0	7.711163
7	2	50.2	12	1595.0	-	8.763041
8	2	65.9	12	1065.0	-	9.347966
9	2	80.2	12	1291.0	-	11.187862

Table 122 - FCC Long Pulse Radar (Type 5) 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	90.0	9	1958.0	-	0.618864
2	2	84.3	9	1081.0	-	1.430638
3	1	88.5	9	-	-	1.670558
4	1	97.5	9	-	-	2.823181
5	2	73.6	9	1087.0	-	3.523086
6	2	95.3	9	1672.0	-	4.028497
7	1	78.8	9	-	-	4.833831
8	1	64.9	9	-	-	5.396036
9	1	57.1	9	-	-	6.294411
10	1	69.5	9	-	-	6.835629
11	2	97.3	9	1598.0	-	8.126746
12	2	70.9	9	1886.0	-	8.334852
13	3	55.6	9	1219.0	1429.0	9.599226
14	1	58.2	9	-	-	10.169516
15	1	100.0	9	-	-	10.896104
16	2	82.2	9	1968.0	-	11.340422

Table 123 - FCC Long Pulse Radar (Type 5) 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	61.7	17	1429.0	-	0.048854
2	2	91.6	17	1688.0	-	1.401729
3	1	52.5	17	-	-	1.930494
4	2	53.5	17	1189.0	-	2.421305
5	3	94.3	17	1903.0	1396.0	3.576607
6	2	87.4	17	1703.0	-	4.452597
7	2	78.6	17	1328.0	-	4.719377
8	2	66.3	17	1961.0	-	5.440832
9	2	82.8	17	1416.0	-	6.695462
10	1	52.2	17	-	-	7.412531
11	2	71.7	17	1867.0	-	7.624810
12	3	55.1	17	1162.0	1816.0	8.950264
13	3	91.0	17	1424.0	1535.0	9.518705
14	2	50.5	17	1408.0	-	10.424135
15	2	96.1	17	1630.0	-	10.759462
16	1	77.7	17	-	-	11.711852

Table 124 - FCC Long Pulse Radar (Type 5) 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	1	56.1	17	-	-	0.074445
2	3	51.0	17	1624.0	1947.0	1.540290
3	2	94.6	17	1025.0	-	2.503668
4	1	53.1	17	-	-	3.294183
5	2	54.3	17	1173.0	-	4.218443
6	1	95.0	17	-	-	4.614560
7	2	73.1	17	1118.0	-	5.501098
8	1	83.6	17	-	-	6.463209
9	2	56.0	17	1958.0	-	6.998852
10	3	76.1	17	1939.0	1852.0	8.073015
11	3	91.7	17	1071.0	1756.0	9.234441
12	2	67.4	17	1385.0	-	9.526823
13	2	66.0	17	1881.0	-	11.098914
14	1	95.5	17	-	-	11.160295

Table 125 - FCC Long Pulse Radar (Type 5) 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	85.2	13	1603.0	-	0.256403
2	2	83.9	13	1844.0	-	1.945826
3	1	70.6	13	-	-	3.494337
4	2	73.1	13	1827.0	-	4.967627
5	3	80.1	13	1293.0	1283.0	5.578174
6	1	57.3	13	-	-	6.796967
7	3	93.3	13	1975.0	1479.0	8.510161
8	1	67.5	13	-	-	10.600580
9	2	94.6	13	1779.0	-	10.727174

Table 126 - FCC Long Pulse Radar (Type 5) 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	83.7	18	1431.0	-	0.836079
2	2	79.7	18	1870.0	-	1.864281
3	1	96.0	18	-	-	3.597047
4	2	52.3	18	1702.0	-	4.175965
5	1	75.7	18	-	-	5.913501
6	2	91.3	18	1454.0	-	6.493417
7	2	94.7	18	1337.0	-	8.344062
8	3	53.0	18	1492.0	1050.0	9.389475
9	3	93.2	18	1189.0	1361.0	10.578196
10	3	72.2	18	1866.0	1122.0	11.321870

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	9	1.0	333.0	Yes	5501.9MHz,-64.0dBm	Hop sequence: 5541, 5650, 5646, 5547, 5308, 5500, 5405, 5444, 5688, 5426, 5561, 5542, 5610, 5306, 5699, 5599, 5517, 5435, 5270, 5624, 5710, 5459, 5385, 5485, 5565, 5254, 5679, 5349, 5708, 5377, 5649, 5635, 5265, 5556, 5472, 5672, 5458, 5386, 5592, 5604, 5625, 5355, 5534, 5427, 5484, 5503, 5380, 5588, 5350, 5568, 5619, 5428, 5295, 5478, 5313, 5663, 5724, 5453, 5687, 5397, 5521, 5694, 5594, 5356, 5554, 5317, 5332, 5615, 5425, 5661, 5658, 5477, 5608, 5700, 5636, 5566, 5563, 5571, 5645, 5526, 5701, 5627, 5252, 5529, 5268, 5440, 5515, 5410, 5403, 5493, 5543, 5558, 5336, 5620, 5454, 5430, 5651, 5549, 5510, 5352 (4 hits)
2	9	1.0	333.0	Yes	5502.9MHz,-64.0dBm	Hop sequence: 5549, 5276, 5678, 5457, 5673, 5622, 5656, 5472, 5382, 5535, 5471, 5510, 5296, 5282, 5380, 5619, 5715, 5335, 5454, 5497, 5618, 5386, 5500, 5683, 5587, 5674, 5632, 5640, 5514, 5686, 5395, 5577, 5529, 5370, 5355, 5433, 5377, 5458, 5599, 5561, 5633, 5332, 5486, 5365, 5316, 5635, 5512, 5415, 5644, 5604, 5432, 5397, 5334, 5294, 5620, 5319, 5566, 5538, 5467, 5688, 5345, 5541, 5292, 5691, 5710, 5315, 5383, 5545, 5285, 5347, 5262, 5590, 5546, 5639, 5406, 5348, 5505, 5333, 5373, 5310, 5305, 5369, 5444, 5677, 5287, 5701, 5379, 5291, 5429, 5643, 5647, 5637, 5629, 5399, 5288, 5450, 5424, 5259, 5252, 5584 (4 hits)
3	9	1.0	333.0	Yes	5503.9MHz,-64.0dBm	Hop sequence: 5546, 5393, 5316, 5303, 5322,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5611, 5329, 5352, 5709, 5462, 5428, 5363, 5291, 5676, 5497, 5501, 5491, 5559, 5424, 5590, 5608, 5274, 5450, 5514, 5560, 5664, 5323, 5562, 5469, 5403, 5349, 5617, 5700, 5406, 5493, 5251, 5581, 5604, 5353, 5318, 5465, 5630, 5586, 5525, 5386, 5317, 5431, 5453, 5685, 5365, 5677, 5682, 5543, 5319, 5364, 5474, 5330, 5440, 5637, 5651, 5596, 5602, 5333, 5292, 5503, 5647, 5348, 5433, 5315, 5686, 5417, 5524, 5645, 5666, 5571, 5510, 5558, 5718, 5576, 5600, 5269, 5381, 5286, 5577, 5658, 5288, 5672, 5513, 5351, 5619, 5541, 5641, 5538, 5460, 5439, 5487, 5324, 5311, 5396, 5456 (4 hits)
4	9	1.0	333.0	Yes	5504.9MHz,-64.0dBm	Hop sequence: 5644, 5603, 5724, 5553, 5310, 5361, 5718, 5371, 5390, 5315, 5439, 5633, 5525, 5602, 5616, 5345, 5333, 5663, 5566, 5366, 5420, 5501, 5413, 5419, 5522, 5381, 5648, 5365, 5363, 5481, 5535, 5666, 5513, 5502, 5410, 5695, 5587, 5719, 5382, 5619, 5533, 5468, 5505, 5726, 5449, 5348, 5463, 5289, 5267, 5272, 5452, 5579, 5402, 5699, 5485, 5406, 5722, 5409, 5678, 5314, 5349, 5337, 5268, 5259, 5595, 5335, 5635, 5562, 5298, 5447, 5691, 5265, 5461, 5539, 5431, 5556, 5326, 5626, 5704, 5564, 5336, 5723, 5369, 5294, 5538, 5651, 5332, 5360, 5639, 5685, 5693, 5574, 5692, 5389, 5690, 5558, 5584, 5282, 5443, 5263 (3 hits)
5	9	1.0	333.0	Yes	5505.9MHz,-64.0dBm	Hop sequence: 5289, 5331, 5345, 5339, 5273, 5501, 5708, 5554, 5321, 5594, 5622, 5578, 5618, 5365, 5726, 5723, 5696,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5677, 5656, 5649, 5467, 5521, 5570, 5350, 5377, 5669, 5384, 5371, 5431, 5268, 5605, 5495, 5297, 5691, 5287, 5685, 5348, 5681, 5597, 5349, 5598, 5258, 5474, 5482, 5354, 5282, 5607, 5403, 5460, 5336, 5363, 5423, 5579, 5424, 5659, 5545, 5402, 5593, 5414, 5264, 5428, 5446, 5625, 5531, 5442, 5485, 5320, 5454, 5261, 5614, 5369, 5511, 5577, 5686, 5319, 5295, 5413, 5303, 5370, 5714, 5692, 5333, 5717, 5409, 5436, 5564, 5281, 5327, 5378, 5343, 5360, 5661, 5417, 5494, 5383, 5329, 5702, 5317, 5426, 5410 (1 hits)
6	9	1.0	333.0	Yes	5506.9MHz,-64.0dBm	Hop sequence: 5422, 5364, 5504, 5513, 5320, 5560, 5707, 5562, 5534, 5716, 5616, 5633, 5472, 5561, 5355, 5275, 5285, 5365, 5304, 5679, 5689, 5540, 5624, 5492, 5677, 5470, 5706, 5420, 5539, 5346, 5558, 5398, 5713, 5626, 5317, 5399, 5283, 5552, 5433, 5715, 5351, 5587, 5538, 5298, 5308, 5378, 5441, 5638, 5690, 5574, 5367, 5542, 5474, 5627, 5662, 5300, 5436, 5609, 5499, 5359, 5589, 5532, 5510, 5279, 5485, 5288, 5704, 5673, 5266, 5446, 5608, 5654, 5414, 5463, 5648, 5643, 5484, 5516, 5259, 5496, 5439, 5699, 5385, 5537, 5252, 5369, 5444, 5557, 5316, 5349, 5478, 5306, 5376, 5345, 5524, 5352, 5709, 5483, 5523, 5465 (4 hits)
7	9	1.0	333.0	Yes	5507.9MHz,-64.0dBm	Hop sequence: 5668, 5475, 5596, 5704, 5381, 5638, 5502, 5346, 5414, 5505, 5454, 5514, 5443, 5446, 5594, 5643, 5309, 5255, 5564, 5258, 5613, 5444, 5274, 5517, 5402, 5528, 5605, 5259, 5567,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5376, 5675, 5455, 5466, 5497, 5697, 5525, 5608, 5478, 5571, 5576, 5719, 5607, 5544, 5584, 5460, 5458, 5529, 5313, 5374, 5655, 5268, 5488, 5622, 5435, 5350, 5620, 5283, 5304, 5305, 5308, 5566, 5450, 5352, 5665, 5507, 5663, 5684, 5324, 5371, 5548, 5407, 5630, 5463, 5656, 5433, 5368, 5545, 5265, 5404, 5375, 5645, 5661, 5495, 5317, 5682, 5264, 5549, 5681, 5399, 5362, 5363, 5289, 5267, 5416, 5307, 5423, 5282, 5540, 5513, 5417 (6 hits)
8	9	1.0	333.0	Yes	5508.9MHz,-64.0dBm	Hop sequence: 5323, 5306, 5296, 5516, 5512, 5414, 5573, 5518, 5382, 5551, 5561, 5631, 5467, 5350, 5639, 5423, 5523, 5691, 5651, 5267, 5424, 5674, 5334, 5714, 5501, 5300, 5514, 5692, 5621, 5333, 5371, 5562, 5689, 5636, 5403, 5436, 5658, 5586, 5409, 5377, 5563, 5287, 5442, 5428, 5664, 5683, 5305, 5576, 5470, 5255, 5360, 5387, 5718, 5380, 5710, 5583, 5474, 5437, 5498, 5259, 5641, 5668, 5297, 5401, 5366, 5316, 5348, 5709, 5251, 5476, 5535, 5663, 5708, 5543, 5317, 5370, 5611, 5534, 5362, 5453, 5275, 5680, 5581, 5399, 5322, 5471, 5395, 5310, 5459, 5312, 5600, 5528, 5513, 5314, 5530, 5422, 5391, 5588, 5690, 5433 (5 hits)
9	9	1.0	333.0	Yes	5509.9MHz,-64.0dBm	Hop sequence: 5434, 5308, 5379, 5562, 5719, 5671, 5680, 5291, 5537, 5427, 5410, 5294, 5420, 5545, 5552, 5631, 5303, 5526, 5538, 5337, 5611, 5401, 5608, 5624, 5585, 5612, 5718, 5285, 5687, 5442, 5500, 5516, 5451, 5600, 5722, 5704, 5535, 5614, 5264, 5653, 5263,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5453, 5582, 5676, 5477, 5497, 5510, 5399, 5271, 5677, 5694, 5565, 5491, 5550, 5344, 5343, 5314, 5685, 5661, 5566, 5381, 5508, 5589, 5618, 5592, 5666, 5390, 5448, 5494, 5579, 5511, 5299, 5324, 5346, 5536, 5574, 5496, 5310, 5375, 5559, 5588, 5396, 5706, 5558, 5307, 5265, 5620, 5465, 5376, 5446, 5371, 5321, 5445, 5644, 5553, 5665, 5716, 5598, 5503, 5322 (5 hits)
10	9	1.0	333.0	Yes	5510.9MHz,-64.0dBm	Hop sequence: 5521, 5480, 5579, 5672, 5264, 5548, 5535, 5420, 5724, 5473, 5695, 5505, 5259, 5414, 5351, 5365, 5309, 5331, 5655, 5680, 5629, 5398, 5659, 5441, 5292, 5457, 5431, 5437, 5270, 5600, 5636, 5376, 5360, 5624, 5498, 5651, 5418, 5523, 5367, 5428, 5717, 5539, 5430, 5328, 5705, 5285, 5304, 5597, 5626, 5449, 5694, 5616, 5271, 5668, 5633, 5482, 5670, 5693, 5493, 5601, 5409, 5454, 5341, 5262, 5639, 5438, 5278, 5330, 5383, 5296, 5371, 5610, 5495, 5424, 5682, 5446, 5257, 5508, 5673, 5372, 5544, 5347, 5323, 5570, 5397, 5489, 5353, 5258, 5515, 5440, 5402, 5524, 5714, 5592, 5504, 5546, 5649, 5255, 5605, 5581 (4 hits)
11	9	1.0	333.0	Yes	5511.9MHz,-64.0dBm	Hop sequence: 5420, 5443, 5629, 5252, 5414, 5410, 5631, 5552, 5505, 5370, 5516, 5275, 5603, 5373, 5391, 5439, 5265, 5483, 5450, 5677, 5688, 5541, 5395, 5338, 5491, 5693, 5632, 5348, 5300, 5269, 5584, 5418, 5694, 5490, 5508, 5406, 5625, 5463, 5711, 5434, 5587, 5356, 5590, 5344, 5562, 5397, 5644, 5666, 5311, 5716, 5707, 5705, 5453,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5308, 5533, 5679, 5718, 5302, 5416, 5531, 5714, 5400, 5682, 5685, 5368, 5663, 5383, 5365, 5628, 5565, 5725, 5280, 5627, 5264, 5288, 5504, 5518, 5336, 5441, 5635, 5700, 5469, 5526, 5702, 5343, 5654, 5408, 5622, 5380, 5717, 5429, 5285, 5467, 5670, 5605, 5433, 5305, 5502, 5706, 5522 (6 hits)
12	9	1.0	333.0	Yes	5512.9MHz,-64.0dBm	Hop sequence: 5549, 5646, 5627, 5596, 5495, 5396, 5690, 5542, 5653, 5392, 5693, 5255, 5644, 5276, 5530, 5562, 5726, 5559, 5519, 5492, 5304, 5580, 5295, 5477, 5501, 5473, 5451, 5612, 5380, 5621, 5708, 5660, 5582, 5548, 5692, 5425, 5719, 5493, 5469, 5597, 5349, 5453, 5615, 5707, 5592, 5575, 5589, 5630, 5525, 5616, 5552, 5318, 5352, 5696, 5262, 5355, 5344, 5430, 5394, 5306, 5488, 5422, 5723, 5390, 5338, 5585, 5657, 5629, 5666, 5661, 5539, 5302, 5513, 5652, 5654, 5643, 5289, 5279, 5463, 5311, 5478, 5512, 5628, 5584, 5687, 5251, 5602, 5700, 5713, 5670, 5545, 5714, 5721, 5565, 5578, 5343, 5274, 5283, 5494, 5484 (2 hits)
13	9	1.0	333.0	Yes	5513.9MHz,-64.0dBm	Hop sequence: 5605, 5431, 5548, 5593, 5373, 5552, 5696, 5305, 5516, 5322, 5599, 5311, 5715, 5302, 5663, 5586, 5630, 5597, 5430, 5645, 5684, 5456, 5281, 5549, 5324, 5427, 5370, 5326, 5365, 5271, 5657, 5611, 5547, 5591, 5277, 5484, 5354, 5415, 5428, 5719, 5717, 5403, 5639, 5337, 5541, 5476, 5620, 5572, 5714, 5513, 5402, 5400, 5260, 5310, 5695, 5529, 5372, 5613, 5610, 5539, 5290, 5573, 5349, 5280, 5471,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5566, 5614, 5329, 5595, 5619, 5675, 5425, 5488, 5257, 5397, 5655, 5571, 5632, 5272, 5693, 5303, 5483, 5362, 5393, 5543, 5467, 5473, 5559, 5598, 5535, 5286, 5313, 5596, 5501, 5637, 5625, 5299, 5592, 5568, 5656 (2 hits)
14	9	1.0	333.0	Yes	5514.9MHz,-64.0dBm	Hop sequence: 5542, 5446, 5634, 5616, 5511, 5590, 5420, 5686, 5635, 5482, 5380, 5288, 5464, 5383, 5399, 5504, 5654, 5537, 5274, 5501, 5631, 5489, 5576, 5552, 5407, 5528, 5311, 5632, 5251, 5518, 5292, 5485, 5469, 5393, 5715, 5664, 5679, 5625, 5718, 5419, 5669, 5529, 5515, 5703, 5505, 5385, 5642, 5663, 5510, 5268, 5467, 5338, 5369, 5417, 5313, 5316, 5612, 5522, 5704, 5700, 5670, 5628, 5461, 5411, 5640, 5554, 5507, 5300, 5585, 5333, 5345, 5405, 5363, 5517, 5685, 5322, 5358, 5336, 5448, 5297, 5594, 5564, 5596, 5579, 5696, 5581, 5708, 5317, 5283, 5672, 5430, 5692, 5318, 5690, 5500, 5278, 5565, 5724, 5259, 5294 (8 hits)
15	9	1.0	333.0	Yes	5515.9MHz,-64.0dBm	Hop sequence: 5352, 5373, 5288, 5542, 5684, 5335, 5526, 5322, 5337, 5347, 5645, 5540, 5532, 5459, 5635, 5611, 5254, 5588, 5662, 5538, 5263, 5715, 5659, 5398, 5554, 5505, 5570, 5619, 5586, 5652, 5394, 5303, 5278, 5679, 5666, 5304, 5694, 5426, 5674, 5616, 5676, 5614, 5345, 5553, 5547, 5349, 5534, 5643, 5325, 5531, 5650, 5721, 5499, 5266, 5276, 5600, 5407, 5410, 5595, 5658, 5388, 5701, 5567, 5539, 5582, 5385, 5423, 5535, 5575, 5564, 5668, 5703, 5286, 5259, 5492, 5689, 5479,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5700, 5608, 5317, 5654, 5562, 5504, 5580, 5380, 5527, 5528, 5692, 5446, 5405, 5644, 5455, 5675, 5533, 5319, 5441, 5302, 5631, 5579, 5657 (2 hits)
16	9	1.0	333.0	Yes	5516.9MHz,-64.0dBm	Hop sequence: 5349, 5471, 5671, 5701, 5516, 5269, 5666, 5460, 5326, 5341, 5717, 5699, 5473, 5353, 5313, 5534, 5639, 5563, 5641, 5426, 5300, 5304, 5451, 5499, 5673, 5327, 5507, 5477, 5676, 5623, 5358, 5587, 5649, 5702, 5637, 5427, 5467, 5667, 5356, 5302, 5513, 5440, 5316, 5486, 5662, 5514, 5700, 5332, 5457, 5377, 5626, 5380, 5505, 5630, 5436, 5576, 5564, 5454, 5403, 5285, 5644, 5677, 5345, 5634, 5260, 5286, 5394, 5594, 5523, 5688, 5611, 5718, 5663, 5424, 5266, 5447, 5429, 5631, 5650, 5330, 5288, 5475, 5515, 5449, 5392, 5443, 5283, 5722, 5618, 5633, 5648, 5524, 5621, 5561, 5713, 5684, 5591, 5598, 5434, 5536 (6 hits)
17	9	1.0	333.0	Yes	5517.9MHz,-64.0dBm	Hop sequence: 5293, 5653, 5565, 5362, 5431, 5381, 5468, 5612, 5717, 5664, 5585, 5535, 5594, 5554, 5278, 5504, 5332, 5518, 5598, 5407, 5620, 5632, 5685, 5450, 5289, 5564, 5360, 5265, 5552, 5399, 5369, 5284, 5550, 5596, 5304, 5493, 5323, 5336, 5367, 5480, 5402, 5681, 5705, 5624, 5368, 5669, 5308, 5724, 5403, 5297, 5383, 5623, 5576, 5693, 5380, 5309, 5389, 5481, 5261, 5702, 5714, 5433, 5562, 5348, 5491, 5337, 5593, 5301, 5322, 5655, 5545, 5479, 5277, 5560, 5382, 5472, 5721, 5626, 5441, 5489, 5374, 5566, 5572, 5292, 5649, 5633, 5393, 5417, 5531,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5614, 5610, 5440, 5320, 5250, 5263, 5461, 5339, 5538, 5434, 5665 (2 hits)
18	9	1.0	333.0	Yes	5518.1MHz,-64.0dBm	Hop sequence: 5336, 5310, 5518, 5651, 5288, 5721, 5680, 5485, 5585, 5338, 5635, 5304, 5320, 5273, 5283, 5345, 5459, 5704, 5272, 5318, 5618, 5671, 5328, 5251, 5617, 5648, 5715, 5652, 5419, 5627, 5300, 5630, 5327, 5444, 5279, 5433, 5293, 5546, 5340, 5316, 5516, 5458, 5720, 5346, 5322, 5410, 5365, 5718, 5509, 5298, 5717, 5452, 5513, 5697, 5271, 5425, 5294, 5574, 5465, 5264, 5510, 5545, 5451, 5689, 5286, 5390, 5619, 5573, 5662, 5276, 5504, 5392, 5661, 5493, 5381, 5301, 5527, 5426, 5558, 5377, 5554, 5317, 5351, 5536, 5592, 5570, 5408, 5702, 5561, 5524, 5402, 5663, 5559, 5344, 5324, 5268, 5407, 5657, 5445, 5397 (6 hits)
19	9	1.0	333.0	Yes	5501.9MHz,-64.0dBm	Hop sequence: 5406, 5709, 5312, 5565, 5254, 5351, 5379, 5550, 5333, 5385, 5450, 5291, 5375, 5695, 5573, 5439, 5617, 5630, 5530, 5408, 5492, 5300, 5350, 5490, 5677, 5324, 5660, 5536, 5495, 5717, 5571, 5279, 5534, 5380, 5543, 5533, 5685, 5326, 5590, 5508, 5637, 5273, 5282, 5635, 5452, 5305, 5403, 5489, 5633, 5697, 5457, 5640, 5553, 5538, 5706, 5572, 5409, 5650, 5680, 5551, 5290, 5527, 5539, 5345, 5682, 5592, 5667, 5585, 5387, 5608, 5295, 5696, 5454, 5720, 5335, 5280, 5615, 5330, 5436, 5346, 5679, 5629, 5568, 5686, 5260, 5405, 5268, 5520, 5480, 5627, 5421, 5310, 5360, 5515, 5325, 5367, 5283, 5653, 5303, 5417 (2 hits)

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
20	9	1.0	333.0	Yes	5502.9MHz,-64.0dBm	Hop sequence: 5376, 5449, 5339, 5459, 5355, 5560, 5334, 5410, 5306, 5281, 5464, 5368, 5519, 5684, 5725, 5590, 5709, 5655, 5594, 5261, 5528, 5653, 5401, 5411, 5270, 5383, 5559, 5477, 5293, 5360, 5325, 5354, 5596, 5341, 5554, 5584, 5711, 5429, 5603, 5703, 5418, 5539, 5565, 5509, 5290, 5414, 5476, 5504, 5651, 5392, 5288, 5456, 5431, 5265, 5316, 5502, 5628, 5407, 5369, 5616, 5314, 5491, 5352, 5568, 5557, 5346, 5621, 5371, 5345, 5669, 5647, 5640, 5333, 5608, 5689, 5374, 5391, 5525, 5580, 5468, 5633, 5252, 5605, 5613, 5442, 5413, 5634, 5499, 5726, 5541, 5518, 5406, 5387, 5693, 5656, 5664, 5250, 5667, 5618, 5412 (4 hits)
21	9	1.0	333.0	Yes	5503.9MHz,-64.0dBm	Hop sequence: 5636, 5662, 5466, 5294, 5490, 5315, 5387, 5697, 5403, 5269, 5633, 5291, 5272, 5699, 5451, 5547, 5675, 5312, 5517, 5459, 5487, 5398, 5500, 5453, 5414, 5356, 5716, 5377, 5301, 5393, 5442, 5262, 5539, 5282, 5694, 5551, 5660, 5391, 5338, 5316, 5617, 5409, 5708, 5361, 5275, 5540, 5366, 5614, 5410, 5278, 5681, 5549, 5461, 5386, 5531, 5560, 5567, 5397, 5358, 5445, 5532, 5308, 5335, 5687, 5375, 5380, 5698, 5250, 5640, 5349, 5552, 5608, 5434, 5321, 5712, 5663, 5305, 5596, 5464, 5604, 5425, 5281, 5436, 5657, 5354, 5448, 5651, 5718, 5440, 5319, 5346, 5494, 5637, 5401, 5288, 5673, 5679, 5254, 5541, 5595 (1 hits)
22	9	1.0	333.0	Yes	5504.9MHz,-64.0dBm	Hop sequence: 5710, 5310, 5329, 5701, 5638, 5550, 5367, 5554, 5280,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5371, 5707, 5294, 5582, 5411, 5350, 5449, 5285, 5697, 5540, 5576, 5575, 5519, 5484, 5672, 5502, 5364, 5679, 5332, 5457, 5260, 5396, 5290, 5342, 5469, 5495, 5528, 5374, 5556, 5317, 5473, 5274, 5689, 5428, 5709, 5423, 5497, 5314, 5368, 5652, 5590, 5409, 5381, 5508, 5382, 5267, 5698, 5603, 5348, 5401, 5673, 5553, 5617, 5339, 5467, 5464, 5410, 5297, 5691, 5644, 5562, 5659, 5433, 5533, 5378, 5454, 5558, 5384, 5460, 5408, 5405, 5463, 5595, 5577, 5639, 5379, 5415, 5299, 5394, 5453, 5471, 5538, 5393, 5337, 5306, 5579, 5323, 5353, 5580, 5480, 5305 (2 hits)
23	9	1.0	333.0	Yes	5505.9MHz,-64.0dBm	Hop sequence: 5465, 5268, 5581, 5277, 5637, 5396, 5375, 5518, 5253, 5438, 5312, 5594, 5451, 5303, 5449, 5390, 5552, 5679, 5320, 5431, 5656, 5372, 5352, 5385, 5515, 5363, 5421, 5544, 5600, 5507, 5561, 5523, 5361, 5439, 5466, 5333, 5633, 5672, 5622, 5255, 5504, 5480, 5494, 5441, 5399, 5470, 5482, 5696, 5448, 5398, 5300, 5410, 5724, 5529, 5267, 5263, 5298, 5693, 5716, 5725, 5614, 5338, 5642, 5346, 5577, 5575, 5602, 5367, 5412, 5478, 5585, 5682, 5400, 5402, 5483, 5443, 5648, 5589, 5437, 5655, 5540, 5392, 5331, 5708, 5254, 5551, 5288, 5579, 5666, 5425, 5423, 5497, 5697, 5530, 5565, 5654, 5308, 5528, 5592, 5650 (4 hits)
24	9	1.0	333.0	Yes	5506.9MHz,-64.0dBm	Hop sequence: 5363, 5502, 5321, 5333, 5712, 5585, 5713, 5497, 5582, 5263, 5550, 5322, 5594, 5346, 5619, 5523, 5304, 5274, 5568, 5514, 5384,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5718, 5460, 5284, 5620, 5325, 5604, 5317, 5570, 5283, 5458, 5516, 5681, 5417, 5350, 5531, 5316, 5592, 5631, 5347, 5709, 5451, 5266, 5596, 5436, 5300, 5412, 5606, 5438, 5402, 5624, 5662, 5715, 5468, 5614, 5575, 5342, 5330, 5602, 5549, 5484, 5375, 5320, 5394, 5578, 5270, 5327, 5701, 5453, 5478, 5671, 5303, 5508, 5499, 5294, 5548, 5653, 5310, 5481, 5383, 5630, 5420, 5354, 5446, 5608, 5607, 5525, 5251, 5609, 5540, 5364, 5407, 5331, 5324, 5490, 5581, 5507, 5276, 5678, 5589 (5 hits)
25	9	1.0	333.0	Yes	5507.9MHz,-64.0dBm	Hop sequence: 5304, 5504, 5338, 5301, 5589, 5574, 5253, 5328, 5695, 5300, 5563, 5653, 5483, 5470, 5666, 5528, 5640, 5471, 5463, 5627, 5624, 5454, 5472, 5407, 5468, 5386, 5526, 5278, 5606, 5298, 5339, 5691, 5562, 5334, 5376, 5267, 5457, 5350, 5510, 5361, 5438, 5321, 5441, 5564, 5250, 5569, 5557, 5404, 5411, 5496, 5499, 5271, 5270, 5639, 5720, 5260, 5378, 5397, 5683, 5513, 5364, 5566, 5497, 5656, 5325, 5706, 5665, 5355, 5323, 5257, 5414, 5620, 5535, 5365, 5631, 5669, 5673, 5366, 5693, 5272, 5348, 5425, 5634, 5473, 5651, 5452, 5430, 5545, 5394, 5660, 5570, 5533, 5288, 5677, 5633, 5354, 5487, 5531, 5284, 5550 (3 hits)
26	9	1.0	333.0	Yes	5508.9MHz,-64.0dBm	Hop sequence: 5383, 5333, 5280, 5486, 5471, 5610, 5573, 5389, 5266, 5332, 5501, 5686, 5409, 5621, 5370, 5391, 5255, 5296, 5671, 5532, 5655, 5673, 5514, 5319, 5599, 5472, 5346, 5311, 5628, 5712, 5493, 5330, 5658,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5653, 5661, 5340, 5386, 5418, 5310, 5384, 5717, 5438, 5273, 5338, 5318, 5428, 5644, 5316, 5490, 5349, 5672, 5345, 5374, 5626, 5424, 5293, 5524, 5680, 5557, 5464, 5638, 5256, 5660, 5449, 5489, 5611, 5505, 5350, 5543, 5526, 5577, 5277, 5708, 5278, 5553, 5675, 5570, 5432, 5537, 5702, 5698, 5488, 5554, 5624, 5362, 5596, 5253, 5520, 5683, 5410, 5414, 5427, 5314, 5394, 5550, 5714, 5393, 5260, 5546, 5665 (2 hits)
27	9	1.0	333.0	No	5509.9MHz,-64.0dBm	Hop sequence: 5632, 5434, 5259, 5552, 5722, 5284, 5583, 5296, 5644, 5260, 5697, 5386, 5317, 5710, 5389, 5409, 5693, 5537, 5435, 5262, 5310, 5656, 5597, 5398, 5384, 5472, 5440, 5724, 5254, 5627, 5572, 5461, 5419, 5723, 5428, 5444, 5501, 5477, 5496, 5530, 5465, 5542, 5423, 5651, 5553, 5486, 5536, 5600, 5526, 5354, 5274, 5373, 5439, 5608, 5308, 5397, 5499, 5493, 5647, 5586, 5643, 5313, 5372, 5525, 5518, 5311, 5433, 5387, 5279, 5301, 5698, 5374, 5404, 5611, 5548, 5533, 5426, 5391, 5265, 5592, 5407, 5375, 5443, 5276, 5609, 5348, 5681, 5377, 5560, 5558, 5342, 5431, 5471, 5269, 5545, 5286, 5427, 5703, 5701, 5406 (1 hits)
28	9	1.0	333.0	Yes	5510.9MHz,-64.0dBm	Hop sequence: 5356, 5498, 5522, 5324, 5320, 5716, 5258, 5723, 5357, 5692, 5445, 5714, 5266, 5367, 5604, 5377, 5296, 5391, 5513, 5470, 5286, 5376, 5397, 5629, 5400, 5328, 5455, 5647, 5661, 5552, 5462, 5304, 5590, 5606, 5422, 5666, 5586, 5515, 5393, 5330, 5430, 5434, 5657, 5687, 5563,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5283, 5293, 5409, 5288, 5255, 5612, 5506, 5591, 5277, 5589, 5720, 5560, 5541, 5327, 5392, 5374, 5514, 5625, 5264, 5584, 5593, 5608, 5261, 5499, 5394, 5456, 5721, 5345, 5669, 5446, 5703, 5632, 5370, 5667, 5582, 5407, 5619, 5263, 5656, 5388, 5458, 5543, 5259, 5442, 5717, 5314, 5302, 5655, 5429, 5382, 5605, 5435, 5299, 5417, 5410 (4 hits)
29	9	1.0	333.0	Yes	5511.9MHz,-64.0dBm	Hop sequence: 5663, 5375, 5571, 5254, 5468, 5662, 5576, 5602, 5444, 5264, 5460, 5637, 5287, 5657, 5502, 5496, 5585, 5631, 5661, 5671, 5364, 5513, 5413, 5272, 5511, 5577, 5445, 5518, 5325, 5495, 5432, 5452, 5256, 5376, 5620, 5428, 5359, 5499, 5473, 5290, 5374, 5436, 5696, 5638, 5480, 5454, 5490, 5629, 5261, 5529, 5425, 5606, 5551, 5320, 5472, 5383, 5488, 5389, 5275, 5719, 5451, 5678, 5411, 5355, 5484, 5666, 5503, 5419, 5560, 5532, 5463, 5494, 5680, 5619, 5600, 5610, 5313, 5269, 5711, 5605, 5457, 5274, 5714, 5554, 5702, 5530, 5327, 5279, 5288, 5393, 5567, 5528, 5624, 5568, 5718, 5437, 5353, 5448, 5278, 5284 (5 hits)
30	9	1.0	333.0	Yes	5512.9MHz,-64.0dBm	Hop sequence: 5284, 5479, 5469, 5333, 5651, 5438, 5564, 5590, 5487, 5669, 5624, 5641, 5440, 5670, 5495, 5423, 5410, 5331, 5339, 5721, 5303, 5405, 5468, 5358, 5275, 5388, 5572, 5615, 5647, 5565, 5323, 5645, 5263, 5632, 5530, 5561, 5357, 5343, 5607, 5531, 5548, 5385, 5399, 5709, 5425, 5562, 5338, 5521, 5583, 5350, 5485, 5276, 5367, 5406, 5394, 5662, 5513,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5434, 5592, 5383, 5458, 5560, 5470, 5344, 5621, 5297, 5293, 5340, 5640, 5298, 5270, 5265, 5419, 5519, 5658, 5412, 5415, 5361, 5465, 5266, 5719, 5611, 5256, 5257, 5554, 5414, 5401, 5417, 5702, 5663, 5335, 5667, 5693, 5445, 5483, 5533, 5282, 5463, 5379, 5377 (1 hits)
31	9	1.0	333.0	Yes	5513.9MHz,-64.0dBm	Hop sequence: 5714, 5517, 5671, 5383, 5723, 5680, 5717, 5330, 5672, 5256, 5311, 5646, 5496, 5636, 5500, 5451, 5373, 5576, 5584, 5690, 5526, 5652, 5378, 5569, 5310, 5470, 5523, 5469, 5719, 5573, 5483, 5725, 5376, 5264, 5604, 5557, 5406, 5589, 5415, 5501, 5577, 5684, 5313, 5296, 5611, 5701, 5392, 5682, 5269, 5599, 5478, 5707, 5283, 5317, 5346, 5430, 5614, 5250, 5607, 5353, 5355, 5466, 5291, 5398, 5521, 5588, 5619, 5572, 5345, 5489, 5400, 5645, 5364, 5432, 5276, 5365, 5372, 5290, 5511, 5312, 5570, 5397, 5515, 5653, 5532, 5663, 5713, 5486, 5659, 5287, 5724, 5273, 5626, 5407, 5463, 5624, 5482, 5354, 5720, 5595 (3 hits)
32	9	1.0	333.0	Yes	5514.9MHz,-64.0dBm	Hop sequence: 5303, 5620, 5501, 5353, 5723, 5546, 5634, 5548, 5565, 5318, 5393, 5553, 5334, 5401, 5302, 5417, 5316, 5406, 5561, 5441, 5710, 5452, 5509, 5693, 5367, 5490, 5251, 5374, 5626, 5486, 5432, 5644, 5706, 5505, 5418, 5352, 5475, 5539, 5253, 5516, 5515, 5567, 5485, 5689, 5650, 5378, 5672, 5348, 5621, 5265, 5308, 5398, 5419, 5580, 5643, 5560, 5435, 5653, 5254, 5630, 5662, 5618, 5681, 5306, 5705, 5607, 5517, 5500, 5577,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5725, 5455, 5498, 5701, 5351, 5616, 5540, 5704, 5407, 5562, 5641, 5409, 5492, 5677, 5550, 5324, 5317, 5421, 5453, 5703, 5702, 5530, 5482, 5307, 5424, 5604, 5380, 5339, 5276, 5354, 5329 (5 hits)
33	9	1.0	333.0	Yes	5515.9MHz,-64.0dBm	Hop sequence: 5386, 5559, 5622, 5663, 5681, 5496, 5299, 5332, 5322, 5432, 5546, 5670, 5487, 5419, 5626, 5477, 5426, 5336, 5310, 5443, 5273, 5553, 5469, 5466, 5688, 5259, 5564, 5700, 5268, 5483, 5330, 5504, 5636, 5333, 5251, 5519, 5427, 5293, 5378, 5472, 5420, 5459, 5667, 5439, 5361, 5409, 5543, 5566, 5721, 5718, 5534, 5660, 5375, 5627, 5692, 5604, 5651, 5415, 5501, 5491, 5514, 5533, 5257, 5354, 5265, 5538, 5438, 5574, 5710, 5594, 5360, 5617, 5424, 5600, 5328, 5642, 5637, 5585, 5370, 5503, 5576, 5275, 5290, 5535, 5625, 5598, 5589, 5601, 5396, 5525, 5363, 5476, 5530, 5323, 5403, 5305, 5702, 5706, 5673, 5461 (3 hits)
34	9	1.0	333.0	Yes	5516.9MHz,-64.0dBm	Hop sequence: 5404, 5408, 5469, 5296, 5494, 5540, 5283, 5507, 5277, 5331, 5353, 5322, 5550, 5624, 5514, 5570, 5451, 5354, 5635, 5343, 5644, 5648, 5397, 5447, 5692, 5539, 5667, 5433, 5674, 5395, 5358, 5548, 5430, 5709, 5280, 5423, 5350, 5288, 5360, 5440, 5487, 5680, 5475, 5263, 5581, 5431, 5552, 5394, 5347, 5489, 5389, 5385, 5484, 5462, 5606, 5705, 5610, 5588, 5631, 5676, 5576, 5285, 5508, 5683, 5492, 5557, 5604, 5316, 5391, 5279, 5314, 5666, 5704, 5308, 5258, 5387, 5556, 5388, 5273, 5323, 5407,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5267, 5456, 5452, 5460, 5715, 5357, 5595, 5429, 5260, 5399, 5525, 5371, 5306, 5716, 5724, 5712, 5527, 5449, 5518 (4 hits)
35	9	1.0	333.0	Yes	5517.9MHz,-64.0dBm	Hop sequence: 5270, 5348, 5253, 5541, 5572, 5419, 5544, 5411, 5627, 5477, 5658, 5391, 5414, 5305, 5264, 5711, 5357, 5722, 5605, 5492, 5522, 5646, 5296, 5619, 5511, 5520, 5691, 5384, 5289, 5345, 5591, 5644, 5452, 5555, 5307, 5332, 5533, 5312, 5723, 5536, 5358, 5321, 5588, 5587, 5596, 5377, 5251, 5600, 5338, 5670, 5519, 5661, 5340, 5389, 5562, 5286, 5409, 5697, 5269, 5283, 5663, 5526, 5707, 5528, 5683, 5514, 5363, 5688, 5337, 5531, 5599, 5329, 5367, 5429, 5298, 5634, 5508, 5314, 5382, 5659, 5393, 5615, 5383, 5539, 5665, 5287, 5573, 5639, 5380, 5395, 5417, 5629, 5642, 5355, 5716, 5515, 5373, 5400, 5450, 5445 (4 hits)
36	9	1.0	333.0	Yes	5518.1MHz,-64.0dBm	Hop sequence: 5362, 5482, 5563, 5410, 5328, 5479, 5451, 5577, 5312, 5579, 5333, 5614, 5260, 5473, 5422, 5277, 5405, 5325, 5476, 5646, 5286, 5713, 5535, 5710, 5680, 5385, 5610, 5468, 5711, 5341, 5536, 5295, 5621, 5723, 5381, 5566, 5356, 5268, 5440, 5704, 5716, 5383, 5305, 5409, 5652, 5515, 5461, 5411, 5526, 5631, 5648, 5568, 5308, 5263, 5677, 5257, 5656, 5412, 5671, 5403, 5543, 5504, 5283, 5395, 5265, 5660, 5642, 5686, 5497, 5620, 5399, 5369, 5505, 5718, 5605, 5278, 5434, 5471, 5337, 5401, 5343, 5417, 5485, 5641, 5477, 5419, 5360, 5377, 5282, 5488, 5519, 5503, 5319,

Table 127 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5353, 5521, 5386, 5500, 5475, 5537, 5545 (4 hits)

Appendix C Test Data Tables and Plots for Channel Closing

FCC PART 15 SUBPART E Channel Closing Measurements

Table 128 - FCC Part 15 Subpart E Channel Closing Test Results					
Waveform Type	Channel Closing Transmission Time ¹		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 0	0	60 ms	0.07	10 s	Pass

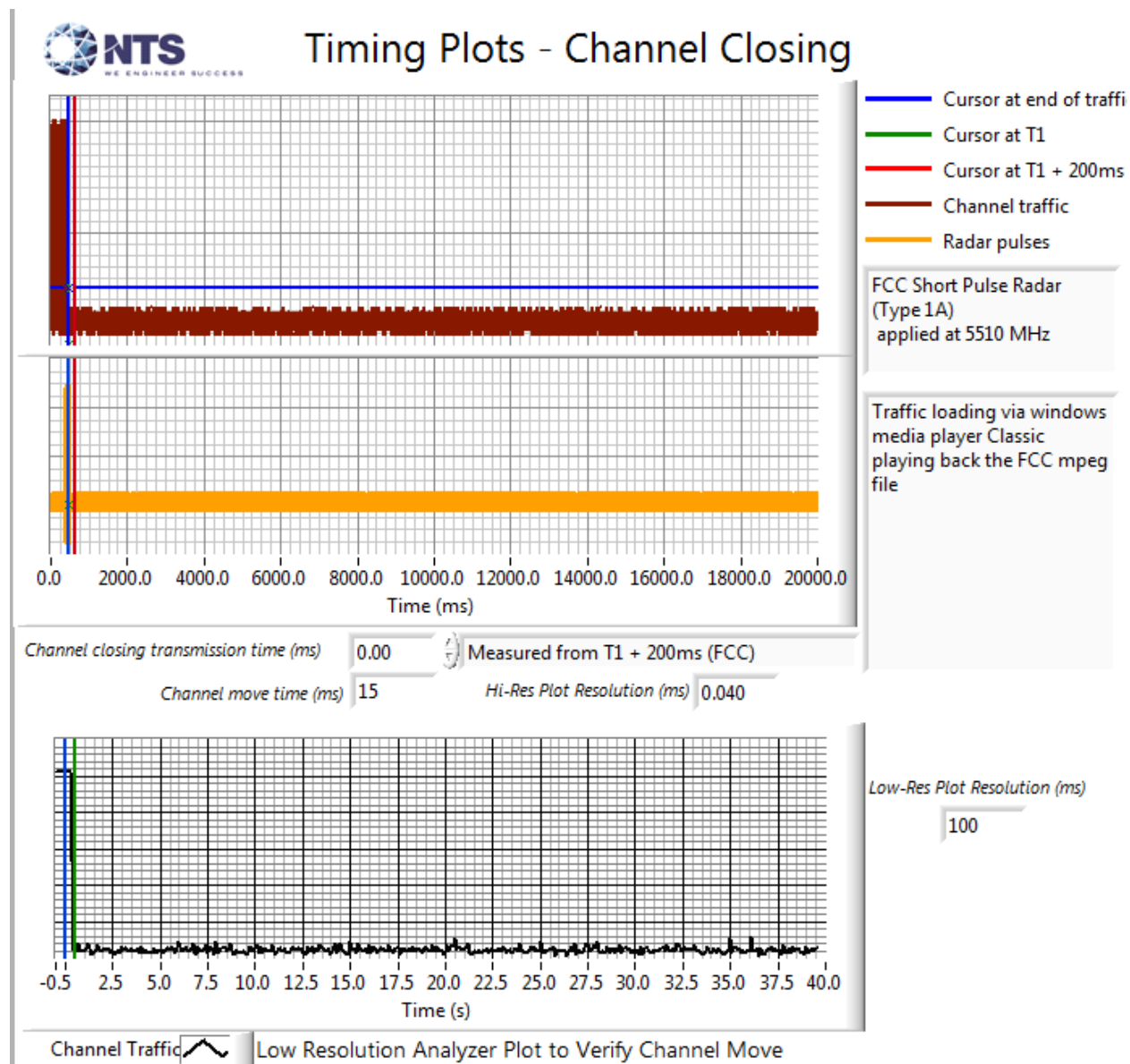


Figure 12 Channel Closing Time and Channel Move Time – 40 second plot

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.

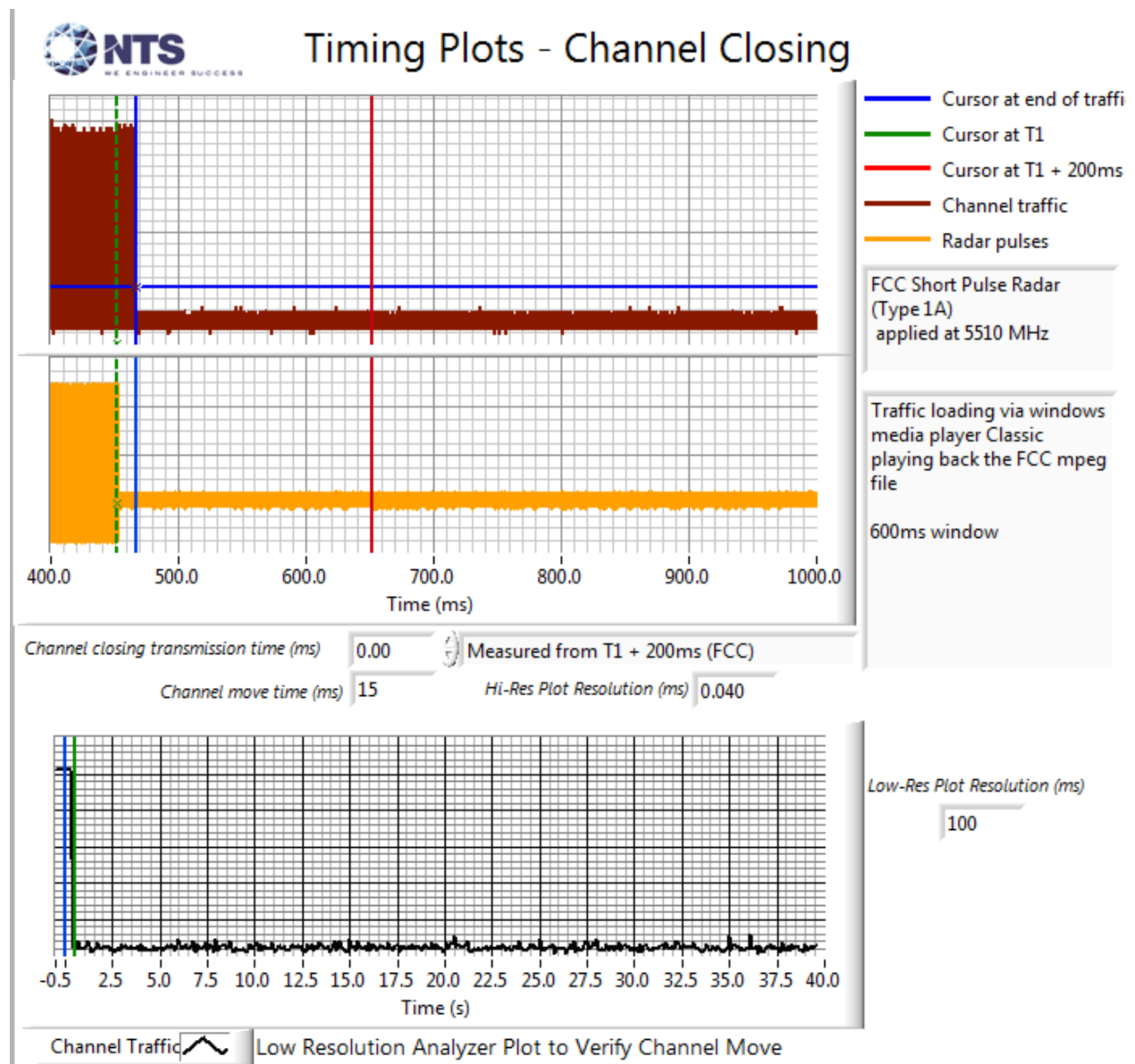


Figure 13 Close-ups of Transmissions Occurring More Than 200ms after the End of Radar

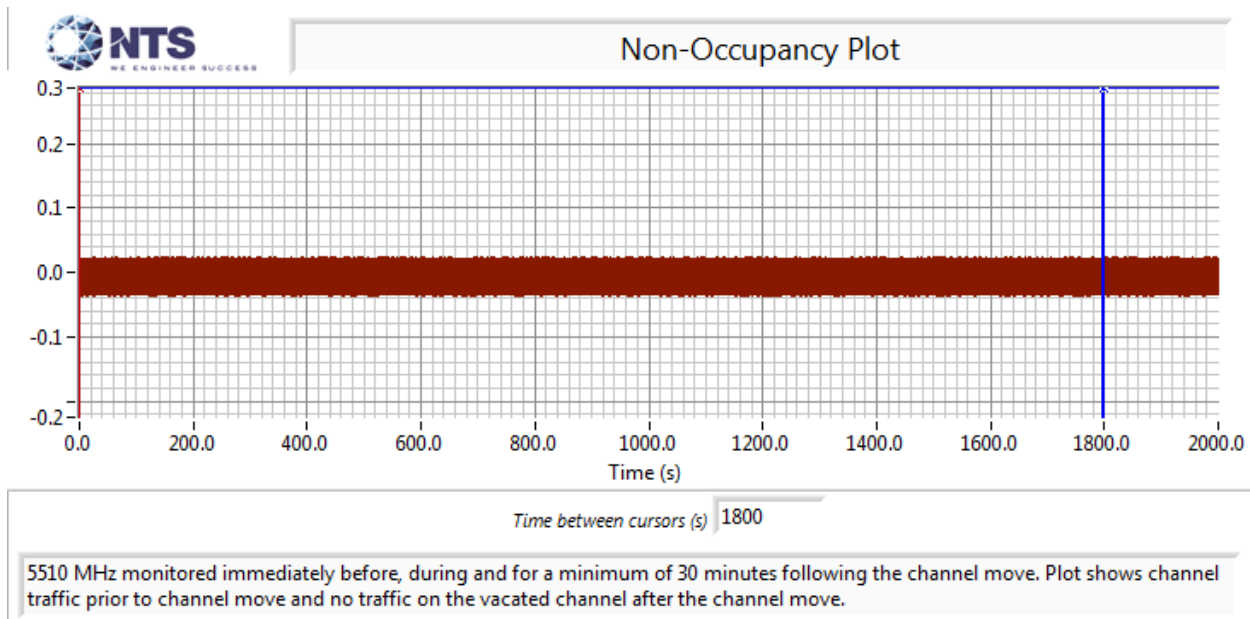


Figure 14 Radar Channel Non-Occupancy Plot (20MHz BW)

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.

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 was found to be 65 seconds before the first transmission as indicated by the green cursor line.

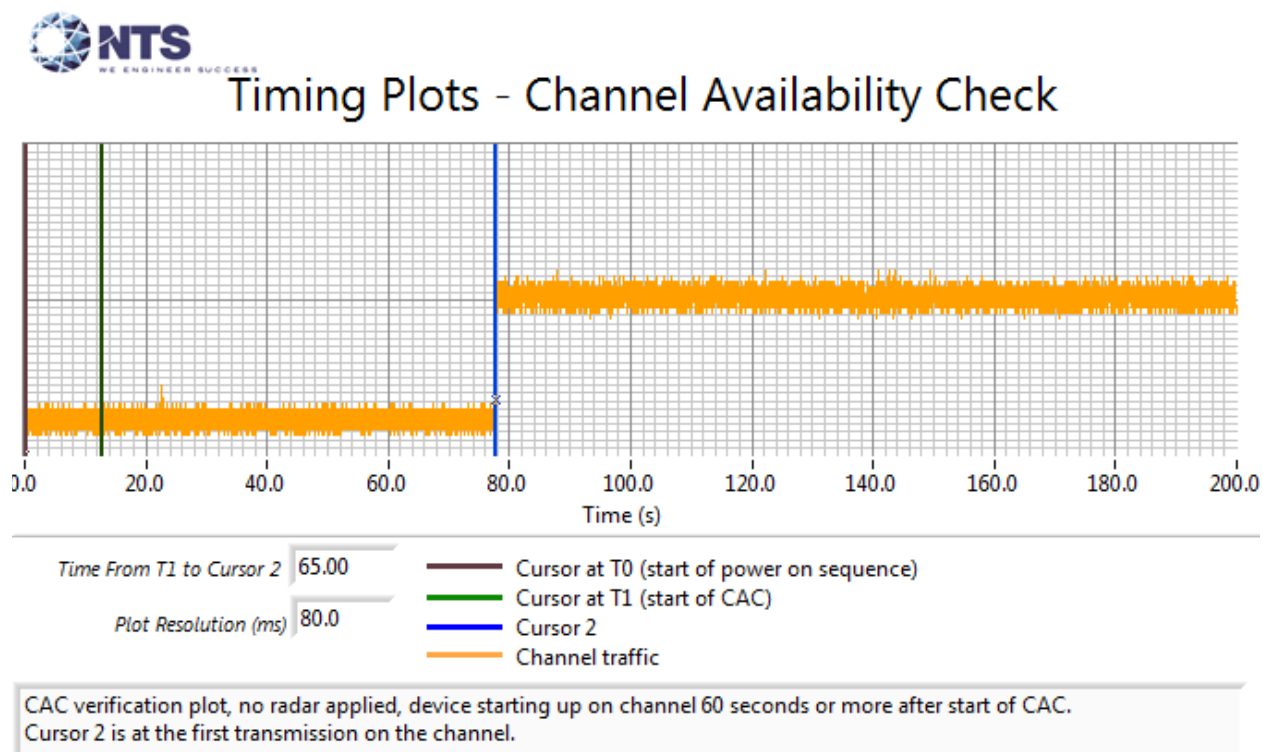


Figure 15 Plot of EUT Start-Up After CAC

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 5510 MHz.

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

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



Timing Plots - Channel Availability Check

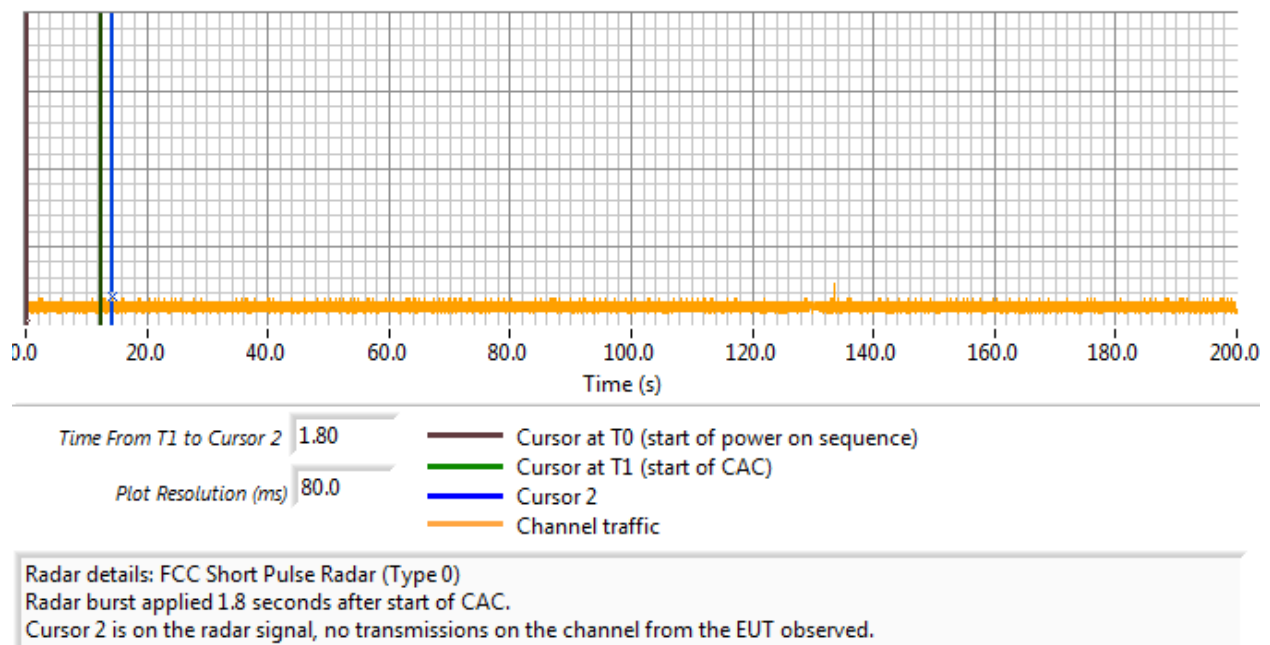


Figure 16 Radar Applied at Start of CAC



Timing Plots - Channel Availability Check

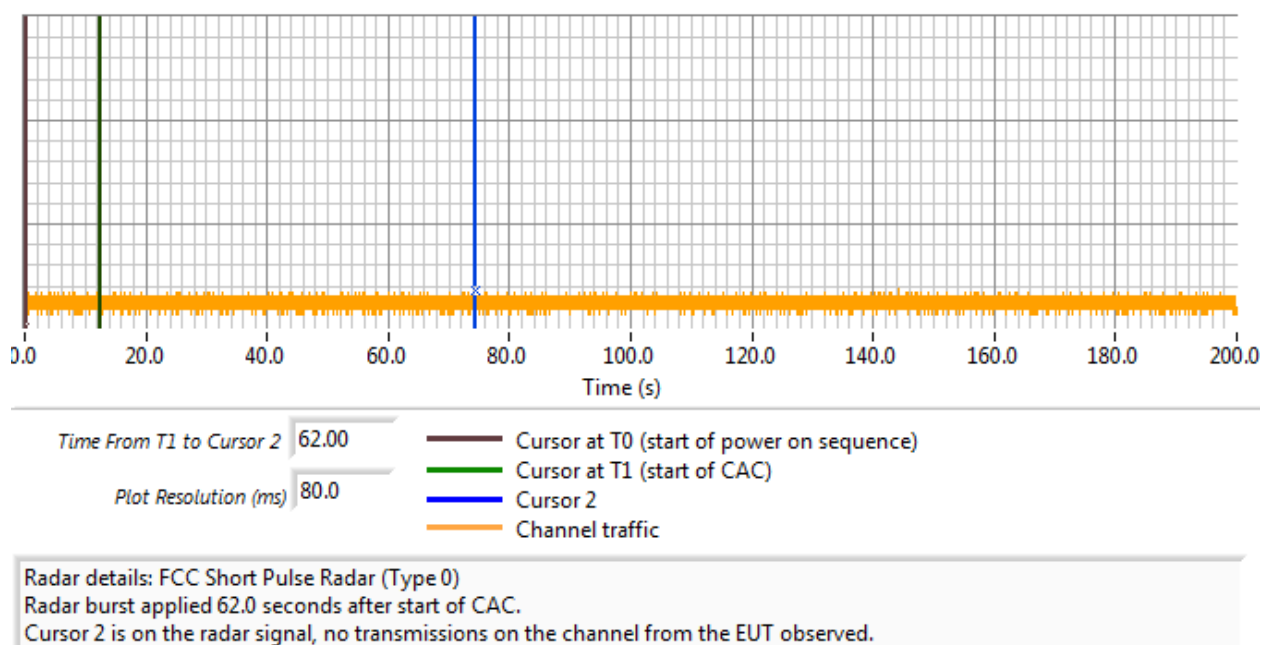


Figure 17 Radar Applied at End of CAC

Appendix E Antenna

Antenna used during testing was the Redline AOD-DB-0512-02, Omnidirectional antenna combines vertical and horizontal polarization with 10 dBi gain, 5.1-5.8GHz.

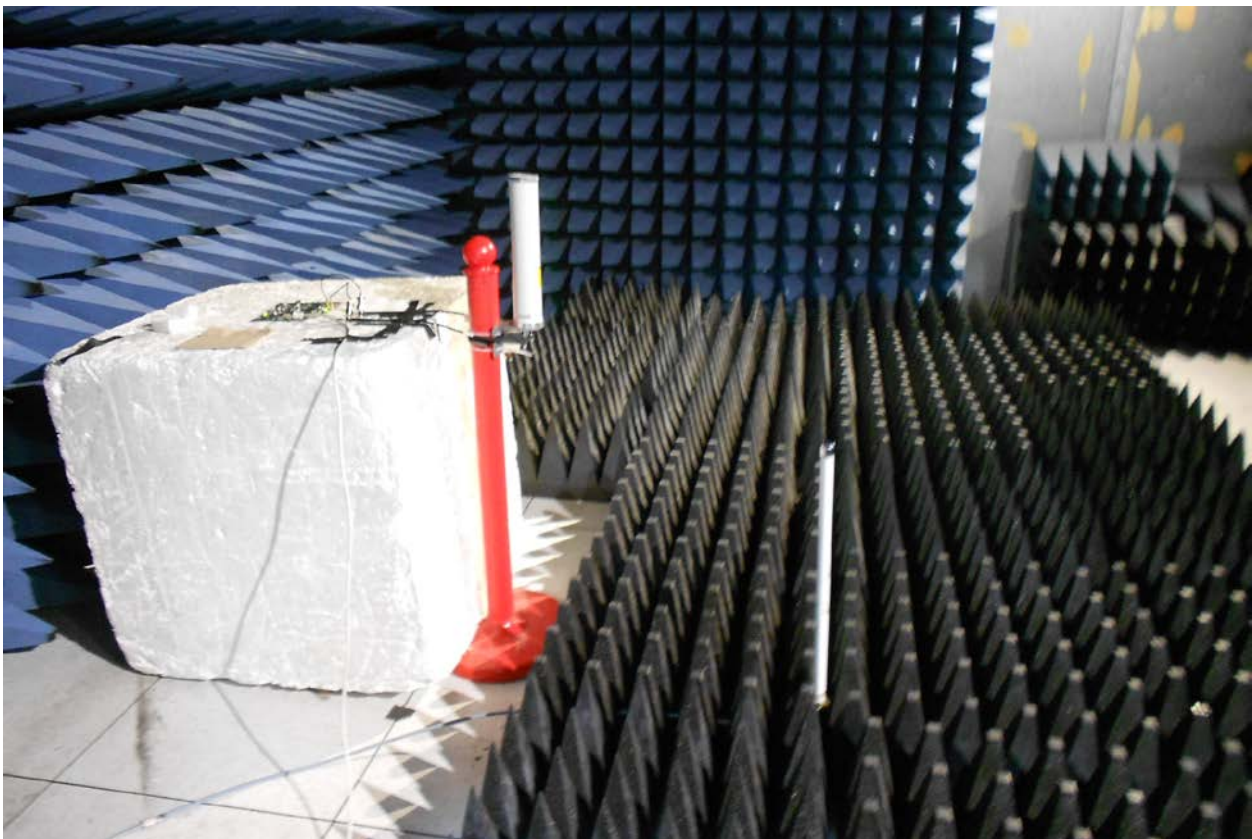
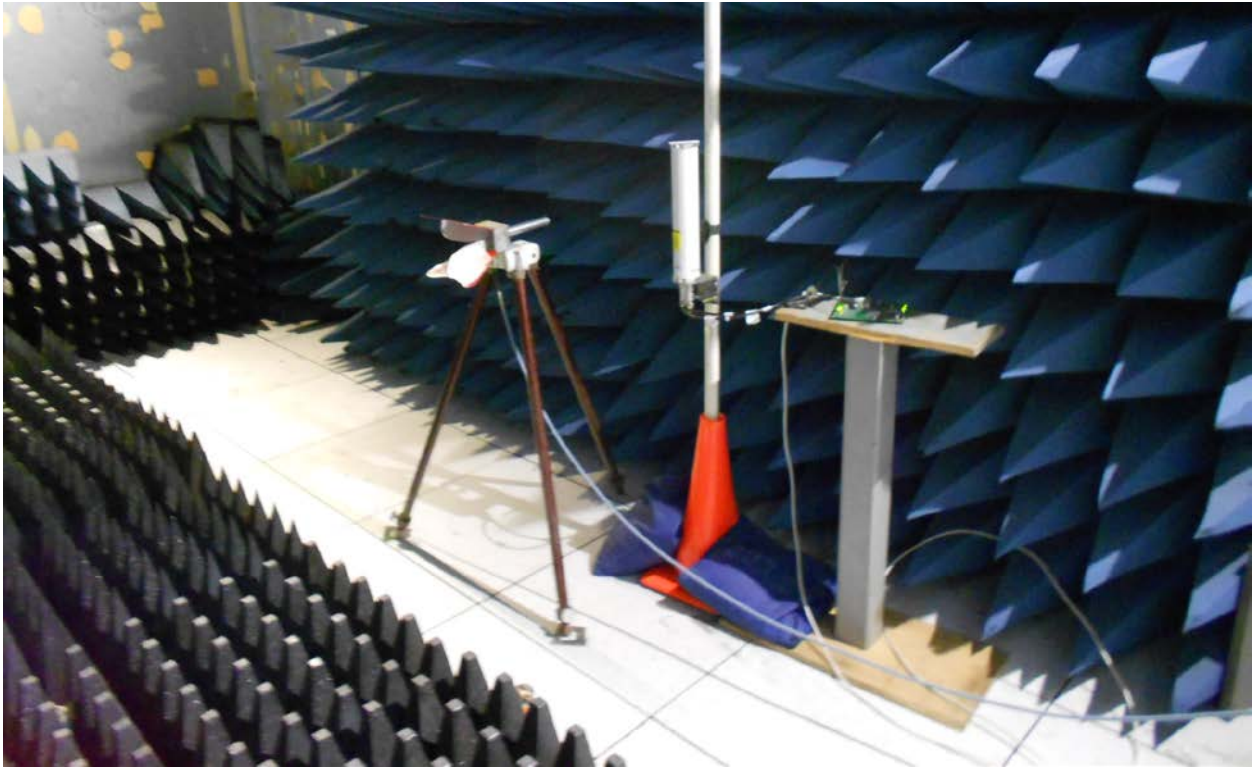
Other antennas offered are as follows:

Redline A3FT3204LTPD, 32 dBi Parabolic Antenna, 4.9–5.8 GHz, 4 degree, Dual polarity

Redline 30-00362-00, 24 dBi, 4.9–6.1 GHz, Dual polarity

Redline 30-00328-50, 19dBi, 4.9-5.8GHz, Dual polarity

Appendix F Test Configuration Photograph(s)



End of Report

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