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NTS Silicon Valley
www.nts.com
41039 Boyce Road
Fremont, CA 94538
510-578-3500 Phone
510-440-9525 Fax

TEST REPORT

Covering the DYNAMIC FREQUENCY SELECTION (DFS) REQUIREMENTS OF

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

ARRIS Group Inc
Model(s): VAP2500 Update to new rules

COMPANY:	ARRIS Group Inc 101 Tournament Drive Horsham, Pennsylvania, 19044
TEST SITE:	National Technical Systems - Silicon Valley 41039 Boyce Road Fremont, CA 94538
REPORT DATE:	June 08, 2016
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TEST ENGINEER:	Mehran Birgani
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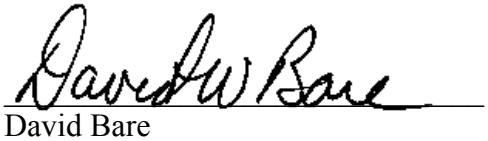
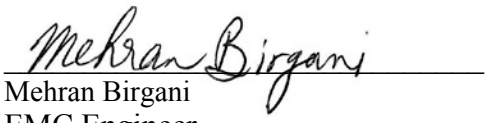
PROGRAM MGR /
TECHNICAL REVIEWER:



David Bare
Chief Engineer

REPORT PREPARER:



Mehran Birgani
EMC Engineer

QUALITY ASSURANCE DELEGATE

David Guidotti
Senior Technical Writer

REVISION HISTORY

Rev #	Date	Comments	Modified By
-	June 08, 2016	Initial Release	-

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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 Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) 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 and FCC KDB 905462 D03 as outlined in NTS Silicon Valley test procedures. The test results recorded herein are based on a single type test of the ARRIS Group Inc model VAP2500 and therefore apply only to the tested sample. The sample was selected and prepared by Chris Rubis of ARRIS Group Inc.

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 ARRIS Group Inc model VAP2500 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

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
In-Service Monitoring Detection Threshold	Type 1 through Type 6	5510 MHz	-64dBm	-64dBm (note 2)	Appendix B	Pass
Bandwidth Detection	Type 0	Varies	41MHz	100% of the 99% BW	-	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 6.4 dBi. The limit is based on an eirp of more than 23 dBm. (Change limit if eirp < 23dBm).
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5250-5350 5500-5700 MHz band.
4) CAC, channel close and move and non-occupancy were not tested as there have been no changes in the requirements for these parameters so the original test results remain acceptable to demonstrate compliance.

MEASUREMENT UNCERTAINTIES

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

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

EQUIPMENT UNDER TEST (EUT) DETAILS

GENERAL

The ARRIS Group Inc model VAP2500 is a Video Access Point or Station that is designed to operate either as a wireless access point or wireless station in a network. Since the EUT would be placed on a table top during operation, the EUT was treated as table-top equipment during testing to simulate the end-user environment. The electrical rating of the EUT is 120 Volts, 60 Hz, 12VDC/1Amp.

The sample was received on May 16, 2016 and tested on May 26, 2016. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
ARRIS	VAP2500	Wireless Access Point	M91413SA0H8V

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

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

☒ Master Device 5250-5350 MHz

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

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

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	6.42	6.52
Highest Antenna Gain (dBi)	6.42	6.52
EIRP Output Power (dBm)	23.44	23.56

☒ Power can exceed 200mW eirp

Channel Protocol

☒ IP Based

☐ Frame Based

ENCLOSURE

The EUT enclosure measures approximately 14.5 x 10.0 x 3.5 centimeters. It is primarily constructed of uncoated plastic.

MODIFICATIONS

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

SUPPORT EQUIPMENT

The following equipment was used as support equipment for testing:

Manufacturer	Model	Description	Serial Number	FCC ID
ARRIS	*VAP2500*	*Station*	M91502SA08RY	*ACQ-VAP2500*
HP	6930p	Laptop Computer (Connected to Master)	2CE935C076	DoC
Lenovo	T430s	Laptop computer (connected to station)	R93930028344	DoC

The italicized device was the client device.

EUT INTERFACE PORTS

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

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length (m)
Ethernet	PC Laptop	Cat 5	Unshielded	10
AC Power	AC Mains	2 Wire	Unshielded	2

EUT OPERATION

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

Master Device: AT.01.06

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.

During the in-service monitoring detection probability 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 PC connected to the station device and iperf.

The streamed file was movie and iperf and the client device was using media player for to view the file. The channel loading was evaluated to be 17.7% (refer to figure 9) meeting the approximately 17% loading as required by FCC KDB 905462 D02

RADAR WAVEFORMS

Table 2 - 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 $_{\mu sec}$	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 3 - 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 4 - 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.

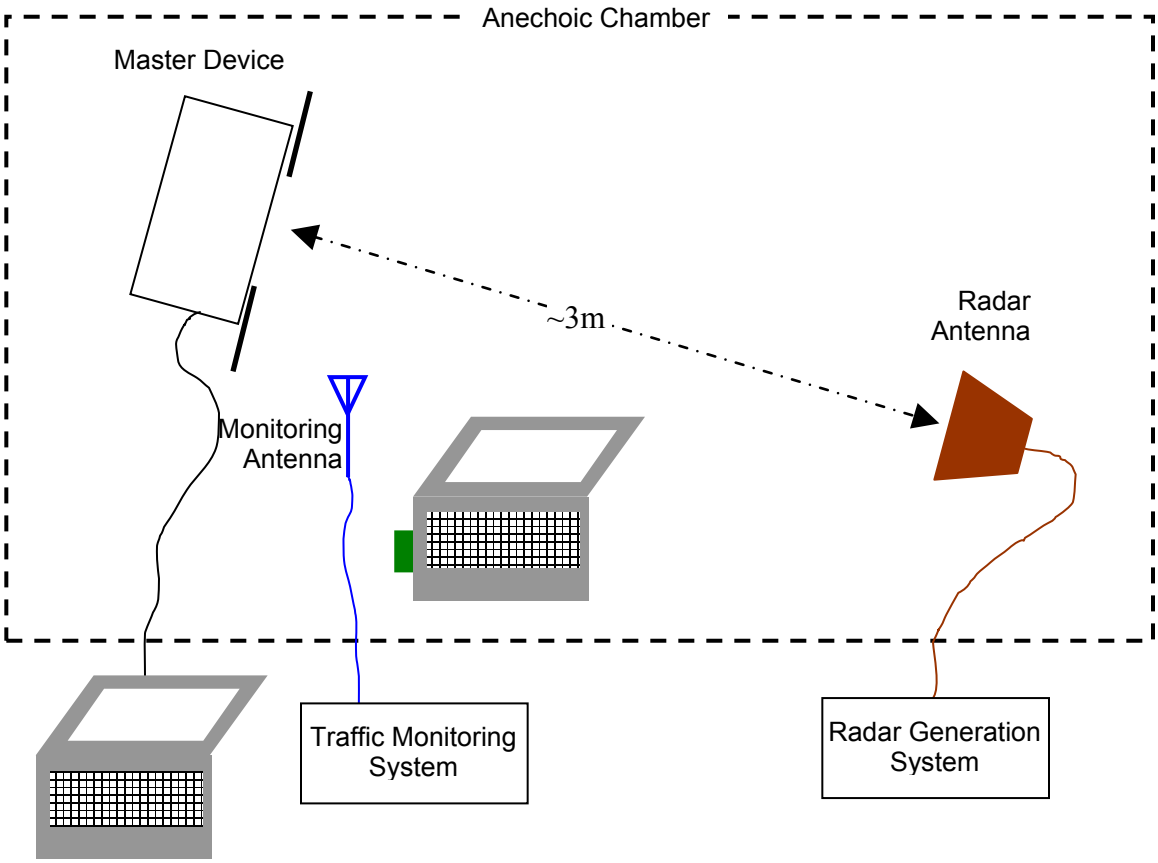

Figure 1 Test Configuration for radiated Measurement Method

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.

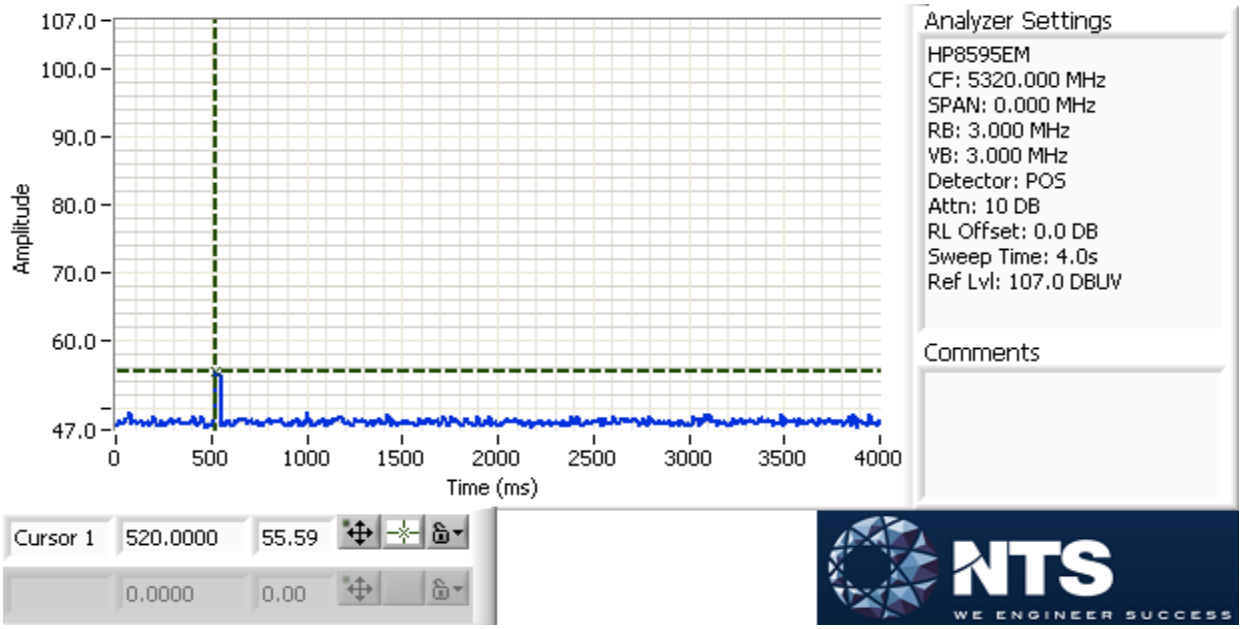

Figure 2 SA Noise Floor During Testing (radar shown at 520 ms)

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.

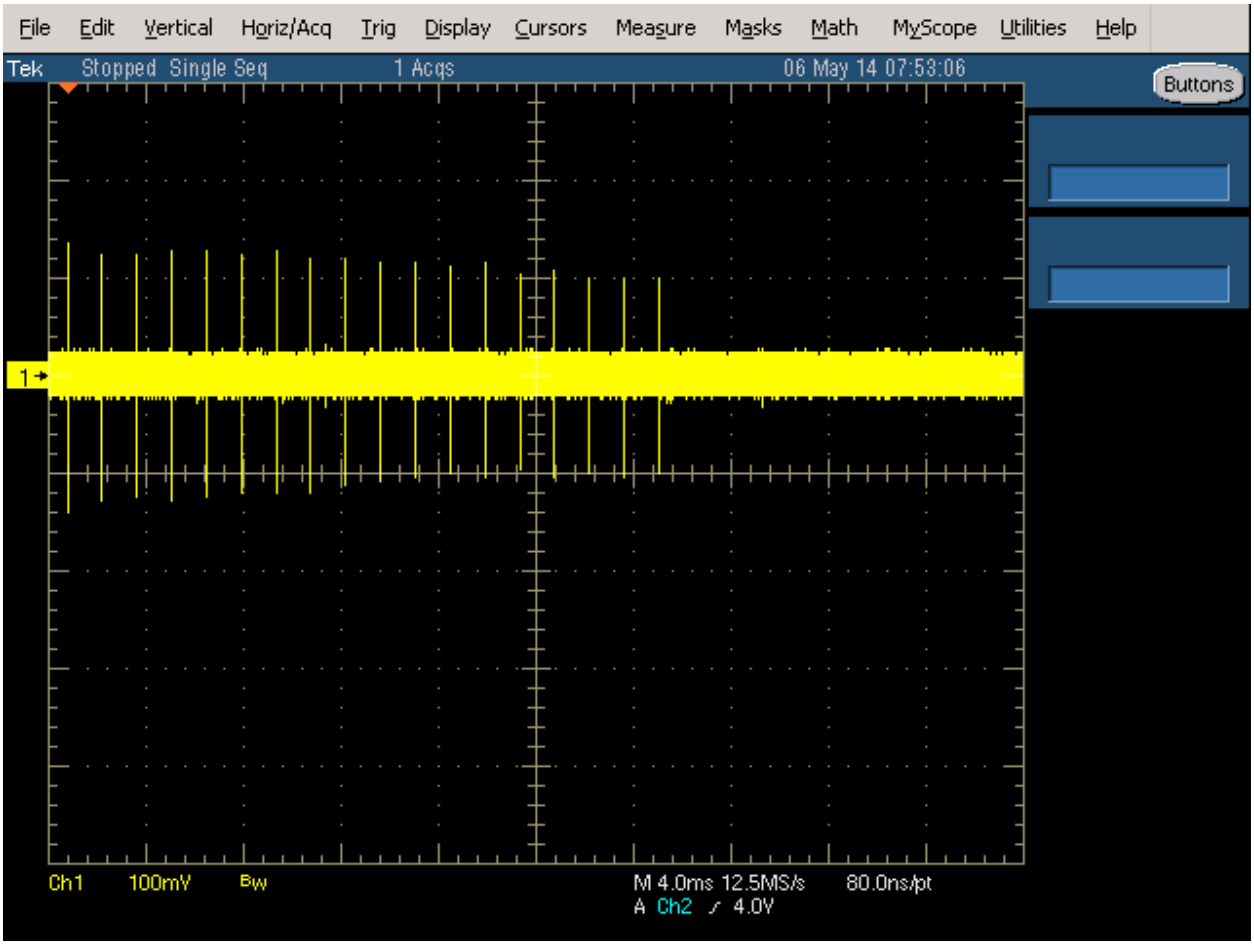

Figure 3 FCC Type 1 Radar (18 pulses)

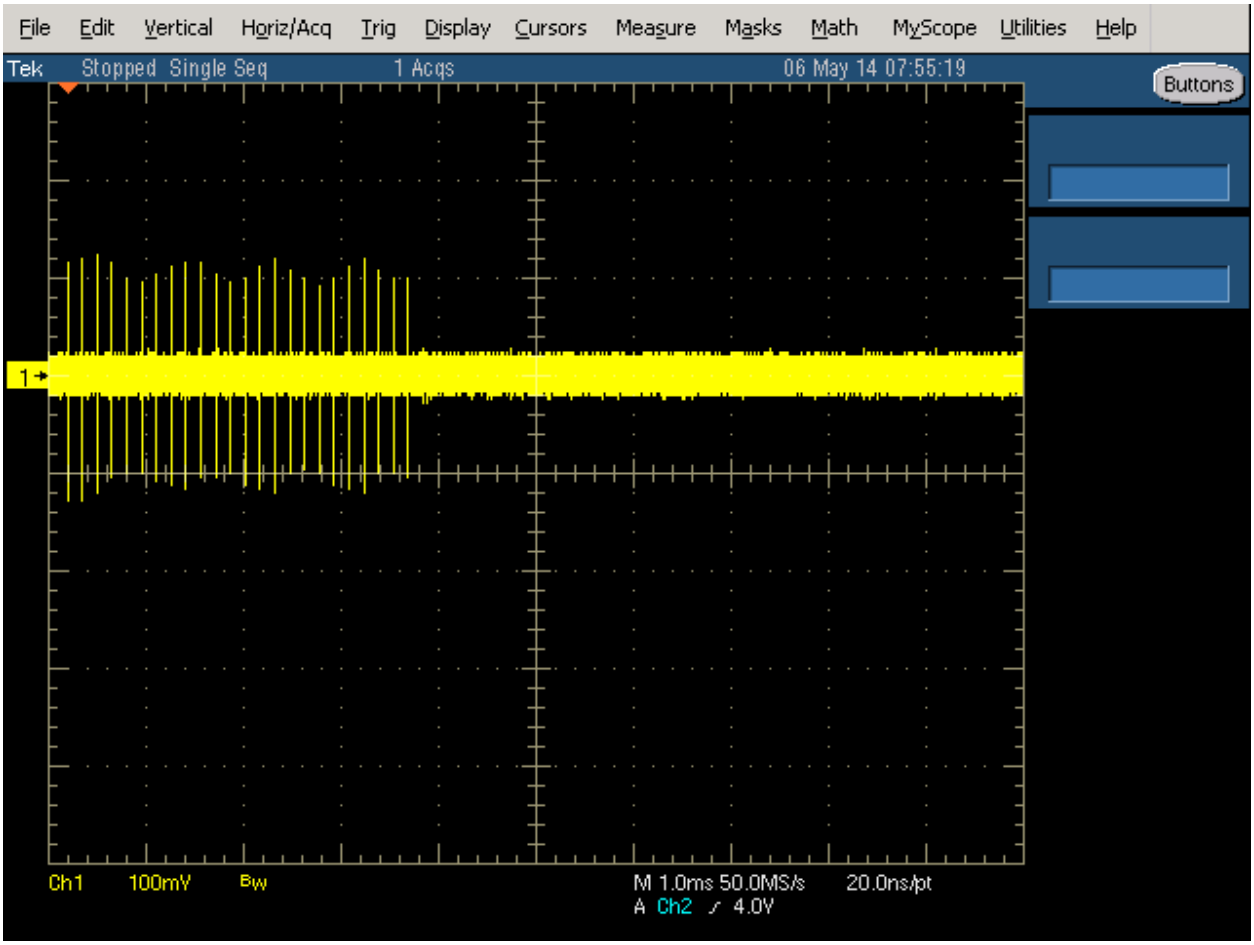

Figure 4 FCC Type 2 Radar (24 pulses)

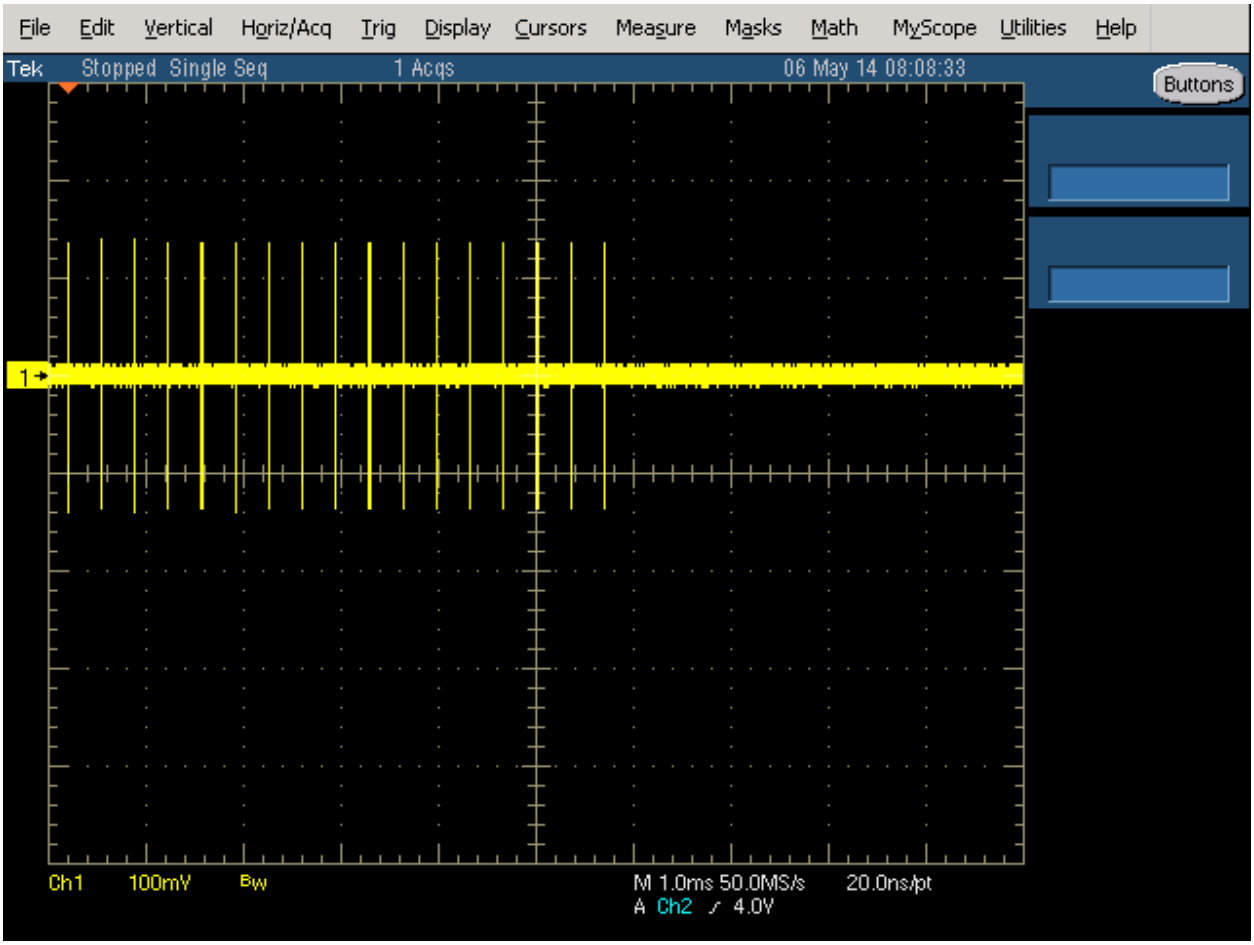

Figure 5 FCC Type 3 Radar (17 pulses)

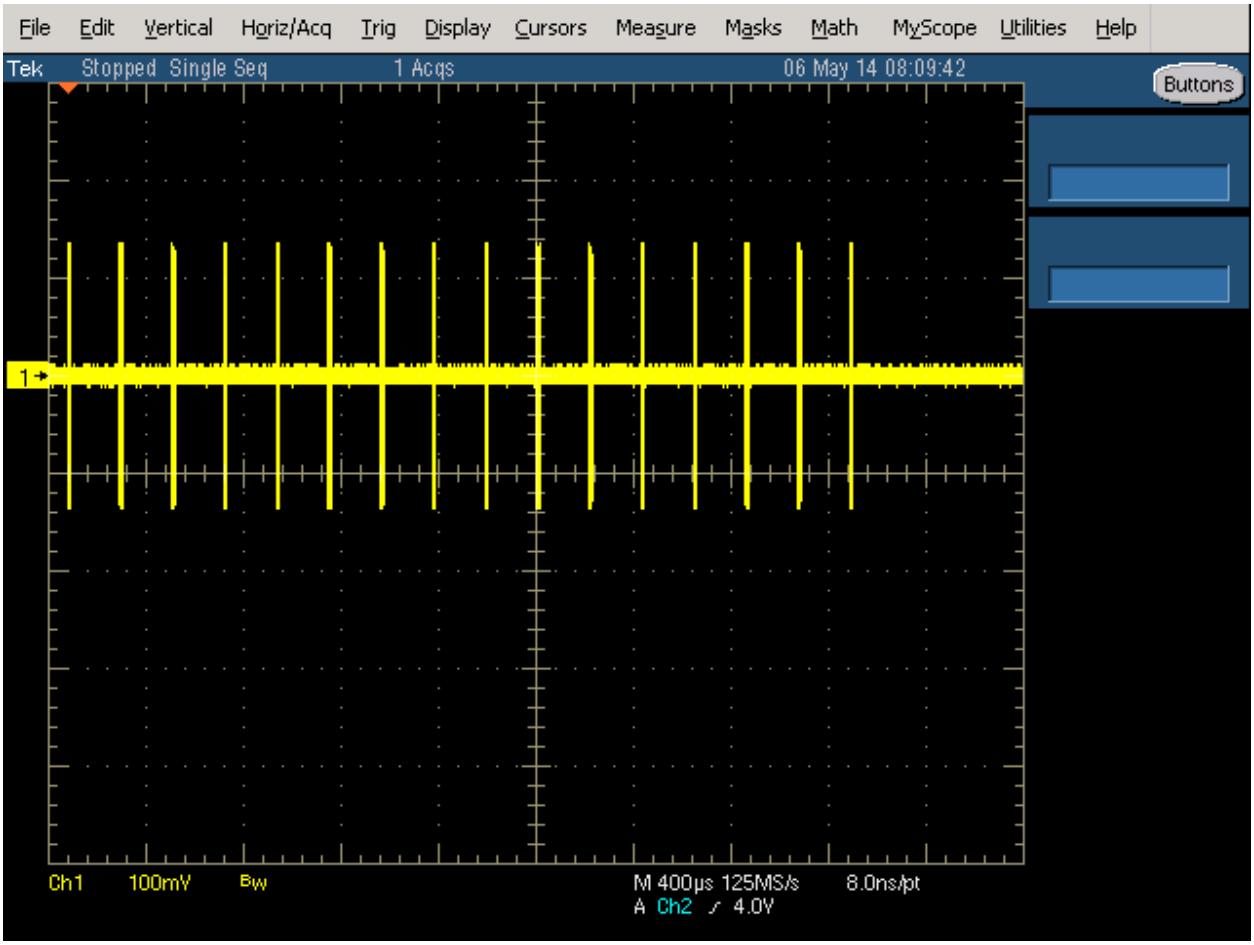

Figure 6 FCC Type 4 Radar (16 pulses)

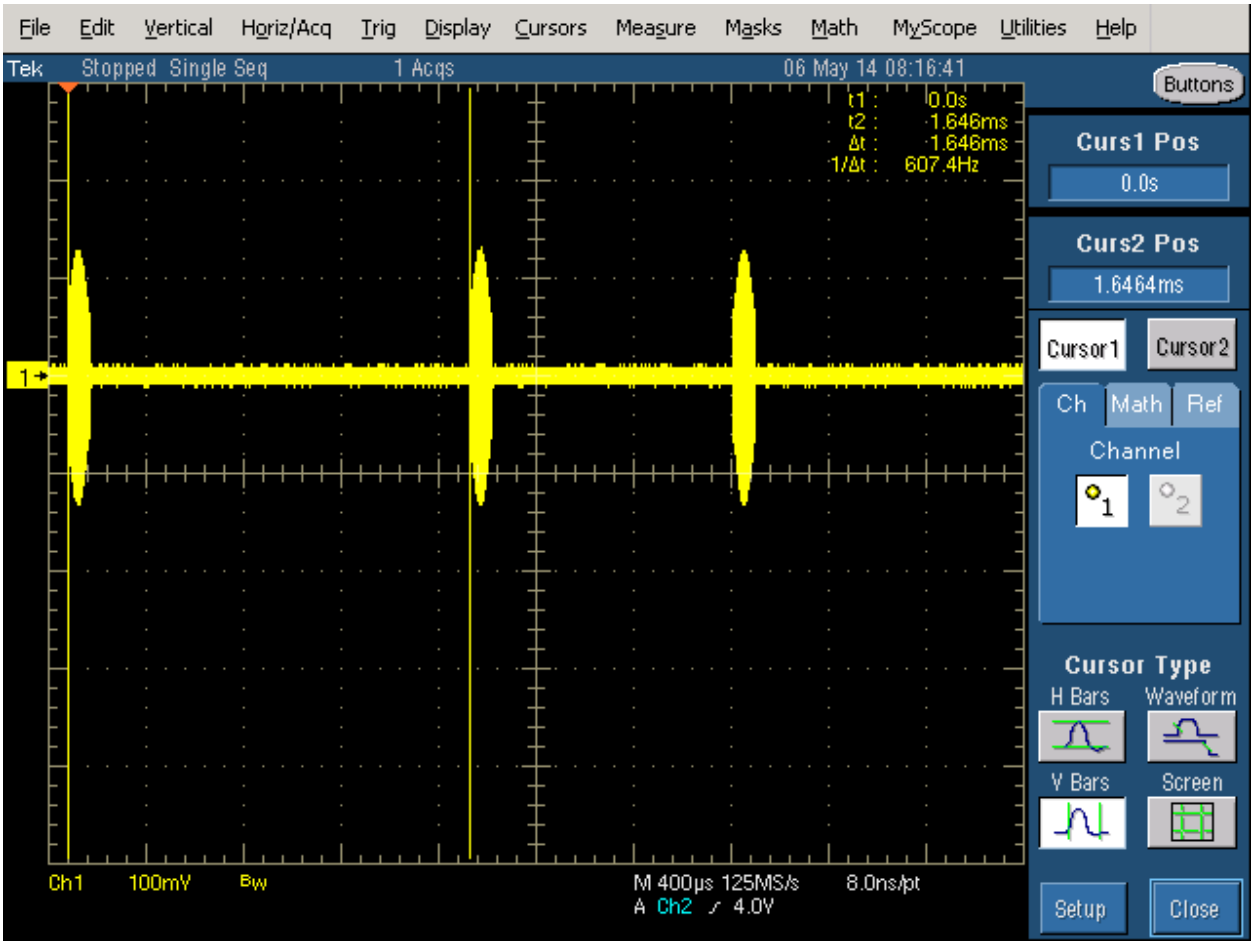

Figure 7 FCC Type 5 Radar (burst with three pulses, 1650 µs first period)

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

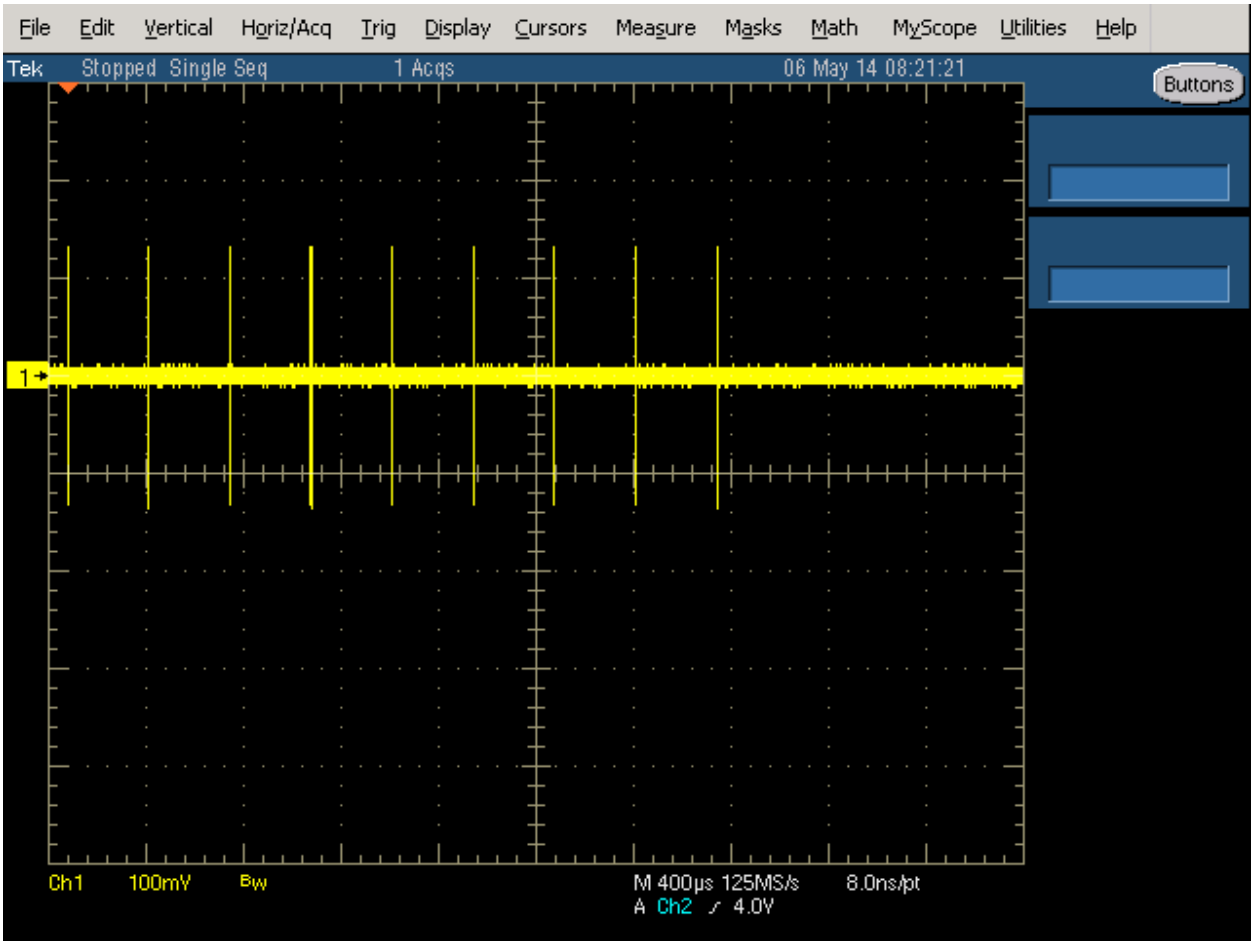

Figure 8 FCC Type 6 Radar (9 pulses in each burst)

DFS MEASUREMENT METHODS

DFS RADAR DETECTION BANDWIDTH

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

DFS – CHANNEL CLOSING TRANSMISSION TIME AND CHANNEL MOVE TIME

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

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

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

DFS – CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING

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

DFS CHANNEL AVAILABILITY CHECK TIME

It is preferred that the EUT report when it starts the radar channel availability check. If the EUT does not report the start of the check time, then the time to start transmitting on a channel after switching the device on is measured to approximate the time from power-on to the end of the channel availability check. The start of the channel availability check is assumed to be 60 seconds prior to the first transmission on the channel.

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

UNIFORM LOADING

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

TRANSMIT POWER CONTROL (TPC)

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

SAMPLE CALCULATIONS

DETECTION PROBABILITY / SUCCESS RATE

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

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

THRESHOLD LEVEL

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

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

Appendix A Test Equipment Calibration Data

Manufacturer	Description	Model #	Asset #	Cal Due
Hewlett Packard	EMC Spectrum Analyzer, 9 kHz - 6.5 GHz	8595EM	787	14-Aug-16
EMCO	Antenna, Horn, 1-18 GHz (SA40-Blu)	3115	1386	03-Oct-16
ETS Lindgren	Antenna, Horn, 1-18 GHz	3117	1662	04-Jun-16
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052 B	2118	10-Nov-16
Agilent Technologies	PSG, Vector Signal Generator, (250kHz - 20GHz)	E8267D	3011	02-Feb-17

Appendix B Test Data Tables for Radar Detection Probability

The plot below shows the channel loading during testing as evaluated over a 1.0 second period. The traffic was generated by movie and iperf.

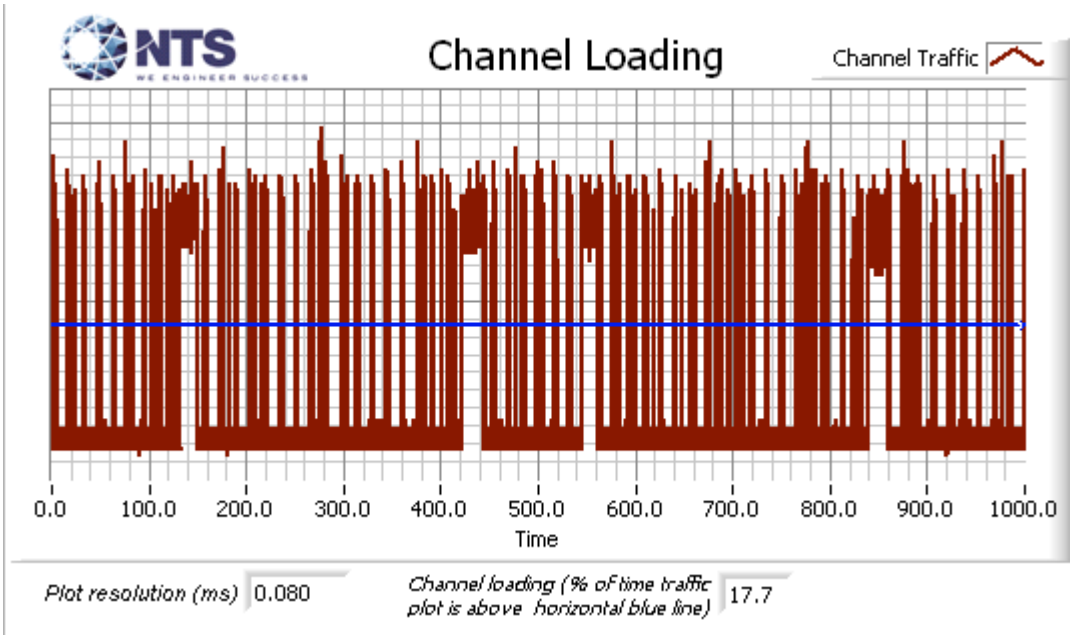

Figure 9 Channel Utilization During In-Service Detection Measurements (n40 mode)

Table 5 - Detection Bandwidth Measurements (Bandwidth: +20MHz /-20MHz) 40 MHz					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5489.00 MHz	0	2	0
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5490.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5491.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5492.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5493.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5494.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5495.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5500.00 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)	5520.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5525.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5526.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5527.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5528.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5529.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5530.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 0)	5531.00 MHz	0	2	0

Table 6 - Summary of All Results 40 MHz				
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)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	93.3 %	60.0 %	30	PASSED
Aggregate of above results	95.8 %	80.0 %	120	PASSED
FCC Long Pulse Radar (Type 5)	93.3 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	41	PASSED

Table 7 - FCC Short Pulse Radar (Type 1A) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	70	1.0	758.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	59	1.0	898.0	Yes	5513.4MHz,-64.0dBm	Single burst
3	99	1.0	538.0	Yes	5515.0MHz,-64.0dBm	Single burst
4	92	1.0	578.0	Yes	5518.2MHz,-64.0dBm	Single burst
5	62	1.0	858.0	Yes	5520.0MHz,-64.0dBm	Single burst
6	63	1.0	838.0	Yes	5500.0MHz,-64.0dBm	Single burst
7	83	1.0	638.0	Yes	5500.1MHz,-64.0dBm	Single burst
8	68	1.0	778.0	Yes	5502.8MHz,-64.0dBm	Single burst
9	86	1.0	618.0	Yes	5504.7MHz,-64.0dBm	Single burst
10	102	1.0	518.0	Yes	5508.3MHz,-64.0dBm	Single burst
11	76	1.0	698.0	Yes	5509.7MHz,-64.0dBm	Single burst
12	18	1.0	3066.0	Yes	5511.8MHz,-64.0dBm	Single burst
13	78	1.0	678.0	Yes	5514.6MHz,-64.0dBm	Single burst
14	57	1.0	938.0	Yes	5518.1MHz,-64.0dBm	Single burst
15	72	1.0	738.0	Yes	5519.2MHz,-64.0dBm	Single burst

Table 8 - FCC Short Pulse Radar (Type 1B) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	20	1.0	2710.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	42	1.0	1271.0	Yes	5512.4MHz,-64.0dBm	Single burst
3	24	1.0	2210.0	Yes	5515.2MHz,-64.0dBm	Single burst
4	39	1.0	1381.0	Yes	5517.7MHz,-64.0dBm	Single burst
5	27	1.0	1994.0	Yes	5519.0MHz,-64.0dBm	Single burst
6	27	1.0	1971.0	Yes	5520.0MHz,-64.0dBm	Single burst
7	34	1.0	1578.0	Yes	5500.0MHz,-64.0dBm	Single burst
8	79	1.0	669.0	Yes	5500.1MHz,-64.0dBm	Single burst
9	31	1.0	1745.0	Yes	5501.9MHz,-64.0dBm	Single burst
10	21	1.0	2580.0	Yes	5504.2MHz,-64.0dBm	Single burst
11	62	1.0	860.0	Yes	5508.0MHz,-64.0dBm	Single burst
12	27	1.0	2021.0	Yes	5510.5MHz,-64.0dBm	Single burst
13	19	1.0	2812.0	Yes	5513.7MHz,-64.0dBm	Single burst
14	28	1.0	1900.0	Yes	5515.7MHz,-64.0dBm	Single burst
15	37	1.0	1464.0	Yes	5517.2MHz,-64.0dBm	Single burst

Table 9 - FCC Short Pulse Radar (Type 2) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	28	3.1	170.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	25	3.6	157.0	Yes	5512.5MHz,-64.0dBm	Single burst
3	28	4.0	190.0	Yes	5515.9MHz,-64.0dBm	Single burst
4	28	1.1	198.0	Yes	5517.5MHz,-64.0dBm	Single burst
5	27	2.9	180.0	Yes	5519.6MHz,-64.0dBm	Single burst
6	23	3.9	160.0	Yes	5520.0MHz,-64.0dBm	Single burst
7	27	3.0	155.0	Yes	5500.0MHz,-64.0dBm	Single burst
8	24	1.6	227.0	Yes	5500.3MHz,-64.0dBm	Single burst
9	27	2.4	179.0	Yes	5501.6MHz,-64.0dBm	Single burst
10	25	1.6	224.0	Yes	5505.0MHz,-64.0dBm	Single burst
11	24	1.9	176.0	Yes	5508.8MHz,-64.0dBm	Single burst
12	24	1.8	159.0	Yes	5512.1MHz,-64.0dBm	Single burst
13	29	2.6	151.0	Yes	5513.3MHz,-64.0dBm	Single burst
14	26	4.4	192.0	Yes	5514.4MHz,-64.0dBm	Single burst
15	28	1.2	155.0	Yes	5516.8MHz,-64.0dBm	Single burst
16	25	4.0	194.0	Yes	5520.0MHz,-64.0dBm	Single burst
17	28	3.7	157.0	Yes	5500.0MHz,-64.0dBm	Single burst
18	26	1.2	177.0	Yes	5501.0MHz,-64.0dBm	Single burst
19	29	4.7	208.0	Yes	5503.5MHz,-64.0dBm	Single burst
20	25	2.7	159.0	Yes	5505.2MHz,-64.0dBm	Single burst
21	24	3.3	213.0	Yes	5507.4MHz,-64.0dBm	Single burst
22	24	4.7	165.0	Yes	5509.3MHz,-64.0dBm	Single burst
23	27	2.2	229.0	Yes	5513.1MHz,-64.0dBm	Single burst
24	29	3.6	199.0	Yes	5516.8MHz,-64.0dBm	Single burst
25	23	4.3	218.0	Yes	5519.0MHz,-64.0dBm	Single burst
26	23	2.0	153.0	Yes	5520.0MHz,-64.0dBm	Single burst
27	27	2.7	212.0	Yes	5500.0MHz,-64.0dBm	Single burst
28	29	1.4	194.0	Yes	5502.8MHz,-64.0dBm	Single burst
29	27	1.6	226.0	No	5504.0MHz,-64.0dBm	Single burst
30	24	2.9	218.0	Yes	5504.0MHz,-64.0dBm	Single burst

Table 10 - FCC Short Pulse Radar (Type 3) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	16	9.7	327.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	18	6.4	205.0	Yes	5513.7MHz,-64.0dBm	Single burst
3	18	9.7	321.0	Yes	5515.9MHz,-64.0dBm	Single burst
4	16	7.4	200.0	Yes	5519.8MHz,-64.0dBm	Single burst
5	17	9.9	229.0	Yes	5520.0MHz,-64.0dBm	Single burst
6	17	7.9	275.0	Yes	5500.0MHz,-64.0dBm	Single burst
7	18	7.7	224.0	Yes	5502.3MHz,-64.0dBm	Single burst
8	16	6.6	288.0	Yes	5503.4MHz,-64.0dBm	Single burst
9	16	6.1	390.0	No	5505.3MHz,-64.0dBm	Single burst
10	17	9.1	256.0	Yes	5505.3MHz,-64.0dBm	Single burst
11	17	8.6	291.0	Yes	5508.7MHz,-64.0dBm	Single burst
12	16	8.2	444.0	Yes	5511.3MHz,-64.0dBm	Single burst
13	16	7.6	364.0	Yes	5512.4MHz,-64.0dBm	Single burst
14	16	6.0	278.0	Yes	5514.5MHz,-64.0dBm	Single burst
15	17	8.2	399.0	Yes	5517.4MHz,-64.0dBm	Single burst
16	17	9.5	247.0	Yes	5520.0MHz,-64.0dBm	Single burst
17	17	8.9	256.0	Yes	5520.0MHz,-64.0dBm	Single burst
18	17	6.6	294.0	Yes	5500.0MHz,-64.0dBm	Single burst
19	17	9.8	422.0	Yes	5500.9MHz,-64.0dBm	Single burst
20	17	8.5	385.0	No	5504.3MHz,-64.0dBm	Single burst
21	16	8.7	208.0	Yes	5504.3MHz,-64.0dBm	Single burst
22	17	9.4	211.0	Yes	5507.5MHz,-64.0dBm	Single burst
23	17	8.9	350.0	Yes	5510.8MHz,-64.0dBm	Single burst
24	18	6.1	378.0	Yes	5512.2MHz,-64.0dBm	Single burst
25	18	9.9	258.0	Yes	5513.4MHz,-64.0dBm	Single burst
26	16	9.4	340.0	Yes	5515.0MHz,-64.0dBm	Single burst
27	17	7.1	426.0	Yes	5516.9MHz,-64.0dBm	Single burst
28	17	9.0	327.0	Yes	5519.2MHz,-64.0dBm	Single burst
29	17	7.3	331.0	Yes	5520.0MHz,-64.0dBm	Single burst
30	16	9.8	416.0	Yes	5500.0MHz,-64.0dBm	Single burst

Table 11 - FCC Short Pulse Radar (Type 4) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	14	14.5	386.0	Yes	5510.0MHz,-64.0dBm	Single burst
2	12	17.1	439.0	Yes	5513.1MHz,-64.0dBm	Single burst
3	14	19.2	451.0	Yes	5514.6MHz,-64.0dBm	Single burst
4	14	17.9	354.0	Yes	5517.5MHz,-64.0dBm	Single burst
5	15	14.5	417.0	Yes	5520.0MHz,-64.0dBm	Single burst
6	13	15.3	492.0	Yes	5500.0MHz,-64.0dBm	Single burst
7	13	12.6	434.0	Yes	5500.9MHz,-64.0dBm	Single burst
8	14	14.9	490.0	No	5503.7MHz,-64.0dBm	Single burst
9	13	12.7	259.0	Yes	5503.7MHz,-64.0dBm	Single burst
10	14	11.4	226.0	Yes	5507.5MHz,-64.0dBm	Single burst
11	14	11.9	421.0	Yes	5509.1MHz,-64.0dBm	Single burst
12	15	14.7	485.0	Yes	5511.6MHz,-64.0dBm	Single burst
13	13	17.0	368.0	Yes	5514.9MHz,-64.0dBm	Single burst
14	14	11.8	210.0	Yes	5517.9MHz,-64.0dBm	Single burst
15	13	12.2	253.0	Yes	5520.0MHz,-64.0dBm	Single burst
16	13	12.9	252.0	Yes	5500.0MHz,-64.0dBm	Single burst
17	14	11.8	288.0	Yes	5500.5MHz,-64.0dBm	Single burst
18	14	11.3	304.0	No	5501.8MHz,-64.0dBm	Single burst
19	16	14.4	379.0	Yes	5501.8MHz,-64.0dBm	Single burst
20	15	12.4	358.0	Yes	5502.8MHz,-64.0dBm	Single burst
21	14	15.3	324.0	Yes	5505.1MHz,-64.0dBm	Single burst
22	16	12.5	393.0	Yes	5508.3MHz,-64.0dBm	Single burst
23	14	13.3	339.0	Yes	5513.3MHz,-64.0dBm	Single burst
24	14	15.0	352.0	Yes	5517.6MHz,-64.0dBm	Single burst
25	13	19.2	315.0	Yes	5523.2MHz,-64.0dBm	Single burst
26	13	11.6	367.0	Yes	5528.2MHz,-64.0dBm	Single burst
27	13	11.1	471.0	Yes	5491.8MHz,-64.0dBm	Single burst
28	14	18.5	327.0	Yes	5492.1MHz,-64.0dBm	Single burst
29	14	18.6	211.0	Yes	5495.7MHz,-64.0dBm	Single burst
30	12	17.8	314.0	Yes	5497.0MHz,-64.0dBm	Single burst

Table 12 - FCC Long Pulse Radar (Type 5) Waveform Summary 40 MHz		
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	NOT Detected	5510.0MHz,-64.0dBm
Trial #11	Detected	5498.9MHz,-64.0dBm
Trial #12	Detected	5496.9MHz,-64.0dBm
Trial #13	Detected	5498.1MHz,-64.0dBm
Trial #14	Detected	5495.8MHz,-64.0dBm
Trial #15	Detected	5499.4MHz,-64.0dBm
Trial #16	Detected	5498.9MHz,-64.0dBm
Trial #17	Detected	5498.1MHz,-64.0dBm
Trial #18	Detected	5497.4MHz,-64.0dBm
Trial #19	Detected	5497.8MHz,-64.0dBm
Trial #20	Detected	5494.6MHz,-64.0dBm
Trial #21	Detected	5523.4MHz,-64.0dBm
Trial #22	Detected	5521.9MHz,-64.0dBm
Trial #23	Detected	5523.9MHz,-64.0dBm
Trial #24	Detected	5524.2MHz,-64.0dBm
Trial #25	Detected	5524.6MHz,-64.0dBm
Trial #26	Detected	5523.4MHz,-64.0dBm
Trial #27	NOT Detected	5526.2MHz,-64.0dBm
Trial #28	Detected	5524.2MHz,-64.0dBm
Trial #29	Detected	5523.4MHz,-64.0dBm
Trial #30	Detected	5525.4MHz,-64.0dBm

Table 13 - FCC Long Pulse Radar (Type 5) Waveform Trial#1 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	89.3	16	1534.0	-	0.277841
2	2	53.9	16	1791.0	-	2.005493
3	1	76.9	16	-	-	2.221661
4	2	52.3	16	1856.0	-	3.649044
5	2	60.7	16	1792.0	-	4.628072
6	1	88.6	16	-	-	6.414084
7	2	88.7	16	1778.0	-	7.220344
8	2	97.9	16	1866.0	-	7.788365
9	3	73.2	16	1120.0	1711.0	9.560815
10	3	89.2	16	1739.0	1665.0	10.497463
11	2	52.0	16	1921.0	-	11.796590

Table 14 - FCC Long Pulse Radar (Type 5) Waveform Trial#2 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)

Table 14 - FCC Long Pulse Radar (Type 5) Waveform Trial#2 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.8	9	1951.0	-	0.448731
2	1	82.8	9	-	-	1.929781
3	1	84.6	9	-	-	3.100833
4	3	79.8	9	1274.0	1024.0	5.208404
5	3	90.8	9	1461.0	1264.0	6.385072
6	2	97.1	9	1981.0	-	6.728716
7	2	76.6	9	1808.0	-	8.230075
8	3	77.3	9	1603.0	1027.0	9.562406
9	3	51.7	9	1691.0	1067.0	11.961667

Table 15 - FCC Long Pulse Radar (Type 5) Waveform Trial#3 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	51.3	15	1934.0	-	0.715662
2	3	68.5	15	1234.0	1095.0	0.941861
3	2	64.9	15	1840.0	-	1.825804
4	2	95.9	15	1282.0	-	3.125695
5	3	55.8	15	1908.0	1455.0	3.919903
6	2	62.9	15	1439.0	-	4.392337
7	1	74.5	15	-	-	4.997032
8	3	82.1	15	1034.0	1394.0	5.745218
9	2	61.8	15	1993.0	-	6.692287
10	1	93.4	15	-	-	7.338389
11	2	67.1	15	1937.0	-	8.377892
12	2	62.5	15	1603.0	-	9.482865
13	2	89.3	15	1770.0	-	10.346523
14	3	53.4	15	1297.0	1539.0	11.143139
15	3	83.8	15	1015.0	1774.0	11.774716

Table 16 - FCC Long Pulse Radar (Type 5) Waveform Trial#4 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	66.2	11	-	-	0.114522
2	2	57.4	11	1604.0	-	1.753479
3	1	84.4	11	-	-	4.490968
4	2	99.4	11	1589.0	-	4.875867
5	2	69.5	11	1836.0	-	7.228918
6	2	76.4	11	1737.0	-	7.610144
7	2	64.2	11	1216.0	-	9.999369
8	2	97.8	11	1533.0	-	10.719652

Table 17 - FCC Long Pulse Radar (Type 5) Waveform Trial#5 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	87.5	12	-	-	0.471188
2	1	95.8	12	-	-	2.267375
3	1	69.6	12	-	-	3.117534
4	1	88.0	12	-	-	4.427104
5	2	85.7	12	1134.0	-	5.414426

Table 17 - FCC Long Pulse Radar (Type 5) Waveform Trial#5 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
6	2	55.4	12	1495.0	-	6.603360
7	3	65.2	12	1378.0	1722.0	7.650986
8	2	71.5	12	1185.0	-	9.490165
9	2	77.5	12	1131.0	-	9.807939
10	2	97.2	12	1990.0	-	11.936568

Table 18 - FCC Long Pulse Radar (Type 5) Waveform Trial#6 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	85.7	18	1097.0	-	0.038930
2	1	62.6	18	-	-	1.357419
3	2	62.9	18	1726.0	-	1.939990
4	2	71.5	18	1617.0	-	2.372712
5	2	90.3	18	1030.0	-	3.023323
6	2	80.2	18	1211.0	-	3.825554
7	1	52.4	18	-	-	4.237579
8	2	62.7	18	1826.0	-	5.095518
9	2	51.9	18	1765.0	-	6.127120
10	2	68.8	18	1322.0	-	6.622163
11	1	79.5	18	-	-	7.414503
12	3	64.3	18	1114.0	1424.0	8.411079
13	2	81.7	18	1532.0	-	8.931705
14	2	55.6	18	1483.0	-	9.194905
15	1	83.4	18	-	-	9.910553
16	2	66.1	18	1178.0	-	11.012237
17	1	56.1	18	-	-	11.462476

Table 19 - FCC Long Pulse Radar (Type 5) Waveform Trial#7 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.7	20	1240.0	-	1.302180
2	2	89.3	20	1815.0	-	2.149097
3	2	73.3	20	1106.0	-	3.477959
4	3	82.5	20	1176.0	1424.0	4.970692
5	2	53.1	20	1292.0	-	6.962351
6	2	65.0	20	1541.0	-	8.011609
7	3	95.2	20	1491.0	1091.0	9.777480
8	2	79.4	20	1832.0	-	11.213877

Table 20 - FCC Long Pulse Radar (Type 5) Waveform Trial#8 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	77.3	14	1588.0	-	0.908905
2	2	90.7	14	1356.0	-	1.796121
3	3	93.4	14	1268.0	1548.0	1.864525
4	2	81.1	14	1158.0	-	3.648323
5	2	90.4	14	1230.0	-	4.294549
6	2	87.0	14	1844.0	-	5.175380
7	2	74.0	14	1068.0	-	6.055722

Table 20 - FCC Long Pulse Radar (Type 5) Waveform Trial#8 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	2	93.3	14	1203.0	-	7.301463
9	3	85.8	14	1710.0	1128.0	7.958610
10	2	58.1	14	1686.0	-	8.768087
11	2	90.0	14	1551.0	-	10.112447
12	3	96.1	14	1141.0	1479.0	10.229462
13	3	89.3	14	1207.0	1820.0	11.627079

Table 21 - FCC Long Pulse Radar (Type 5) Waveform Trial#9 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.3	10	1612.0	-	0.085296
2	1	62.1	10	-	-	1.230825
3	2	94.0	10	1889.0	-	1.796381
4	2	96.6	10	1911.0	-	2.812834
5	3	60.1	10	1060.0	1840.0	3.340419
6	2	66.0	10	1330.0	-	3.966703
7	1	69.6	10	-	-	5.237727
8	2	95.2	10	1414.0	-	5.354132
9	2	80.0	10	1781.0	-	6.121273
10	2	98.8	10	1331.0	-	7.163096
11	2	74.9	10	1609.0	-	8.084221
12	2	62.1	10	1561.0	-	8.574524
13	2	70.2	10	1432.0	-	9.050130
14	2	77.3	10	1290.0	-	9.941934
15	3	67.6	10	1886.0	1395.0	11.189036
16	1	83.4	10	-	-	11.273239

Table 22 - FCC Long Pulse Radar (Type 5) Waveform Trial#10 (NOT Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.7	7	1298.0	-	0.239116
2	1	94.4	7	-	-	0.925368
3	2	68.9	7	1657.0	-	1.824548
4	2	55.7	7	1777.0	-	2.618590
5	2	55.2	7	1385.0	-	3.948677
6	3	78.7	7	1806.0	1286.0	4.063421
7	3	55.8	7	1468.0	1188.0	5.445038
8	2	79.4	7	1959.0	-	6.213570
9	1	66.5	7	-	-	6.551141
10	2	53.0	7	1524.0	-	7.540468
11	3	85.0	7	1006.0	1995.0	8.141315
12	1	89.5	7	-	-	9.302043
13	1	78.2	7	-	-	9.708833
14	3	80.0	7	1539.0	1153.0	11.049326
15	2	68.4	7	1074.0	-	11.850734

Table 23 - FCC Long Pulse Radar (Type 5) Waveform Trial#11 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)

Table 23 - FCC Long Pulse Radar (Type 5) Waveform Trial#11 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	81.3	18	1280.0	1266.0	0.355417
2	2	99.6	18	1814.0	-	0.698356
3	2	99.6	18	1767.0	-	1.877113
4	2	62.8	18	1088.0	-	2.027685
5	1	94.9	18	-	-	3.011338
6	2	69.5	18	1909.0	-	3.381787
7	2	92.8	18	1603.0	-	4.652307
8	3	90.8	18	1713.0	1831.0	5.173130
9	1	85.3	18	-	-	5.583886
10	2	61.3	18	1793.0	-	6.074644
11	2	76.5	18	1787.0	-	6.930657
12	3	98.6	18	1544.0	1373.0	7.624076
13	2	97.2	18	1821.0	-	8.576824
14	2	73.5	18	1645.0	-	9.238313
15	3	74.2	18	1638.0	1066.0	9.917799
16	2	74.6	18	1964.0	-	10.338553
17	2	66.9	18	1814.0	-	10.834433
18	2	74.5	18	1819.0	-	11.344975

Table 24 - FCC Long Pulse Radar (Type 5) Waveform Trial#12 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	84.1	13	-	-	0.045316
2	1	62.5	13	-	-	0.808470
3	1	80.7	13	-	-	1.975447
4	2	73.9	13	1662.0	-	2.799803
5	2	90.3	13	1598.0	-	3.005475
6	2	85.7	13	1778.0	-	4.040062
7	3	95.2	13	1061.0	1210.0	4.527774
8	2	72.2	13	1947.0	-	5.819675
9	3	69.5	13	1897.0	1158.0	6.674016
10	1	63.3	13	-	-	6.902397
11	1	54.5	13	-	-	7.548588
12	2	98.9	13	1289.0	-	8.801568
13	2	85.7	13	1424.0	-	9.142945
14	1	91.4	13	-	-	10.135142
15	1	83.0	13	-	-	11.229909
16	3	86.2	13	1210.0	1395.0	11.522922

Table 25 - FCC Long Pulse Radar (Type 5) Waveform Trial#13 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	52.0	16	1840.0	-	0.633422
2	3	56.0	16	1009.0	1464.0	1.987322
3	3	91.2	16	1139.0	1775.0	3.529518
4	2	75.2	16	1597.0	-	3.850435
5	2	88.9	16	1247.0	-	5.988949
6	3	61.1	16	1746.0	1277.0	6.811733
7	2	50.7	16	1011.0	-	7.477098
8	3	65.8	16	1967.0	1896.0	9.259591

Table 25 - FCC Long Pulse Radar (Type 5) Waveform Trial#13 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
9	3	75.6	16	1047.0	1292.0	10.398864
10	3	50.9	16	1747.0	1567.0	11.533849

Table 26 - FCC Long Pulse Radar (Type 5) Waveform Trial#14 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	93.2	10	1408.0	-	0.224667
2	1	92.2	10	-	-	1.243315
3	1	83.0	10	-	-	1.395998
4	2	63.0	10	1976.0	-	1.973538
5	2	92.3	10	1421.0	-	3.093737
6	2	98.6	10	1025.0	-	3.533663
7	2	56.6	10	1584.0	-	4.265114
8	3	51.0	10	1802.0	1194.0	4.949463
9	2	64.7	10	1697.0	-	5.241648
10	2	54.6	10	1787.0	-	5.715783
11	2	90.1	10	1652.0	-	6.514562
12	2	80.5	10	1568.0	-	7.046787
13	3	50.0	10	1950.0	1201.0	8.195930
14	3	61.7	10	1981.0	1734.0	8.283910
15	2	54.0	10	1111.0	-	9.293284
16	1	81.3	10	-	-	9.920169
17	2	97.3	10	1901.0	-	10.351675
18	2	68.1	10	1105.0	-	11.163601
19	3	98.9	10	1349.0	1328.0	11.675341

Table 27 - FCC Long Pulse Radar (Type 5) Waveform Trial#15 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	85.6	19	-	-	0.941868
2	1	57.5	19	-	-	1.886012
3	1	68.4	19	-	-	3.064783
4	1	74.9	19	-	-	4.429159
5	2	69.6	19	1793.0	-	5.933241
6	2	57.0	19	1192.0	-	6.225386
7	3	72.5	19	1007.0	1553.0	7.649700
8	3	86.7	19	1276.0	1223.0	9.129389
9	3	99.3	19	1821.0	1743.0	9.814180
10	2	94.0	19	1693.0	-	11.037653

Table 28 - FCC Long Pulse Radar (Type 5) Waveform Trial#16 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	75.7	18	-	-	0.441611
2	1	59.0	18	-	-	1.473676
3	1	54.1	18	-	-	2.660723
4	3	65.9	18	1976.0	1010.0	3.160361
5	2	80.7	18	1355.0	-	3.907809
6	3	66.2	18	1955.0	1565.0	4.688309

Table 28 - FCC Long Pulse Radar (Type 5) Waveform Trial#16 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
7	2	81.3	18	1875.0	-	6.391521
8	2	80.8	18	1290.0	-	6.672438
9	3	93.3	18	1505.0	1089.0	7.433923
10	2	81.8	18	1278.0	-	8.397590
11	2	71.9	18	1210.0	-	9.977084
12	3	84.3	18	1799.0	1708.0	10.402496
13	2	70.5	18	1919.0	-	11.092240

Table 29 - FCC Long Pulse Radar (Type 5) Waveform Trial#17 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	52.8	16	1706.0	-	0.718040
2	2	54.2	16	1693.0	-	1.227492
3	2	93.2	16	1461.0	-	2.164086
4	2	90.8	16	1044.0	-	2.838176
5	2	69.7	16	1796.0	-	3.667555
6	2	82.4	16	1807.0	-	4.726902
7	2	92.0	16	1242.0	-	5.351261
8	1	56.1	16	-	-	5.888726
9	1	70.2	16	-	-	6.586527
10	3	95.0	16	1155.0	1581.0	7.695961
11	1	53.4	16	-	-	8.787176
12	3	99.6	16	1119.0	1564.0	9.397615
13	3	79.4	16	1310.0	1936.0	10.366878
14	2	62.4	16	1473.0	-	11.114805
15	1	90.0	16	-	-	11.789786

Table 30 - FCC Long Pulse Radar (Type 5) Waveform Trial#18 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	73.3	14	-	-	0.265215
2	2	97.4	14	1143.0	-	1.261595
3	1	98.2	14	-	-	2.553653
4	2	56.1	14	1185.0	-	2.675646
5	2	59.7	14	1002.0	-	3.859630
6	1	60.4	14	-	-	4.679266
7	3	98.2	14	1841.0	1650.0	5.573001
8	2	80.6	14	1973.0	-	6.354084
9	3	75.2	14	1369.0	1800.0	6.937165
10	2	62.0	14	1037.0	-	8.159329
11	3	81.9	14	1762.0	1522.0	8.852493
12	2	64.0	14	1522.0	-	10.072419
13	2	51.8	14	1109.0	-	10.960157
14	3	54.2	14	1930.0	1787.0	11.293114

Table 31 - FCC Long Pulse Radar (Type 5) Waveform Trial#19 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	99.0	15	-	-	0.497131

Table 31 - FCC Long Pulse Radar (Type 5) Waveform Trial#19 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
2	1	70.1	15	-	-	0.876858
3	1	91.5	15	-	-	1.532207
4	2	86.1	15	1510.0	-	2.154394
5	2	64.1	15	1815.0	-	3.288538
6	1	85.1	15	-	-	3.713078
7	1	55.0	15	-	-	4.026183
8	3	65.8	15	1504.0	1023.0	5.217503
9	3	83.6	15	1543.0	1340.0	5.991066
10	1	71.5	15	-	-	6.411337
11	2	88.9	15	1633.0	-	6.995915
12	1	53.5	15	-	-	7.725649
13	2	89.3	15	1210.0	-	8.015819
14	3	58.6	15	1173.0	1063.0	8.849923
15	2	90.2	15	1454.0	-	9.367227
16	2	74.5	15	1751.0	-	10.352972
17	3	68.9	15	1607.0	1975.0	10.913998
18	2	94.6	15	1009.0	-	11.657740

Table 32 - FCC Long Pulse Radar (Type 5) Waveform Trial#20 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	98.1	7	1483.0	-	0.360889
2	2	88.3	7	1408.0	-	2.086078
3	2	51.6	7	1730.0	-	2.366465
4	1	58.2	7	-	-	3.914239
5	2	51.1	7	1402.0	-	4.695768
6	2	98.3	7	1732.0	-	5.567091
7	2	77.0	7	1198.0	-	6.828007
8	2	73.8	7	1342.0	-	8.277740
9	2	81.4	7	1032.0	-	8.770616
10	2	94.3	7	1948.0	-	10.665375
11	1	74.8	7	-	-	11.445029

Table 33 - FCC Long Pulse Radar (Type 5) Waveform Trial#21 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	64.2	12	-	-	0.241695
2	1	91.3	12	-	-	1.365896
3	2	62.4	12	1310.0	-	1.871608
4	3	70.5	12	1388.0	1151.0	2.955010
5	1	90.9	12	-	-	3.809788
6	2	91.0	12	1491.0	-	4.284564
7	2	77.0	12	1350.0	-	5.258312
8	2	56.9	12	1694.0	-	5.910868
9	3	60.7	12	1156.0	1714.0	7.158123
10	1	94.3	12	-	-	7.674442
11	1	65.6	12	-	-	8.403060
12	2	77.5	12	1438.0	-	8.970994
13	2	51.2	12	1882.0	-	10.143520
14	2	63.5	12	1727.0	-	10.887376

Table 33 - FCC Long Pulse Radar (Type 5) Waveform Trial#21 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
15	2	63.1	12	1190.0	-	11.265547

Table 34 - FCC Long Pulse Radar (Type 5) Waveform Trial#22 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	100.0	16	1242.0	-	1.068647
2	2	77.0	16	1267.0	-	1.664835
3	2	77.6	16	1090.0	-	2.685718
4	2	88.8	16	1863.0	-	4.108294
5	3	95.6	16	1170.0	1027.0	5.142044
6	2	73.4	16	1411.0	-	5.863856
7	2	90.4	16	1227.0	-	7.046240
8	2	53.0	16	1938.0	-	8.296405
9	3	87.8	16	1397.0	1634.0	9.328626
10	1	87.9	16	-	-	10.128599
11	3	92.3	16	1559.0	1371.0	11.225359

Table 35 - FCC Long Pulse Radar (Type 5) Waveform Trial#23 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	84.8	11	-	-	1.269977
2	3	83.3	11	1708.0	1692.0	2.140514
3	2	87.1	11	1543.0	-	4.392448
4	1	82.6	11	-	-	5.900135
5	3	79.2	11	1343.0	1665.0	6.697845
6	2	54.4	11	1024.0	-	8.897845
7	2	66.7	11	1278.0	-	9.424045
8	1	81.4	11	-	-	10.918036

Table 36 - FCC Long Pulse Radar (Type 5) Waveform Trial#24 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	95.8	10	1583.0	-	0.378237
2	2	64.9	10	1765.0	-	1.360130
3	3	70.9	10	1521.0	1899.0	1.582062
4	2	51.9	10	1000.0	-	2.534475
5	2	87.6	10	1563.0	-	3.556879
6	2	60.9	10	1490.0	-	4.488878
7	2	75.0	10	1049.0	-	4.888677
8	2	61.0	10	1364.0	-	5.506385
9	3	64.0	10	1027.0	1645.0	6.393641
10	2	76.5	10	1159.0	-	6.928100
11	2	50.9	10	1547.0	-	8.040257
12	2	57.2	10	1003.0	-	8.411672
13	2	71.4	10	1570.0	-	9.210308
14	2	74.3	10	1026.0	-	9.874749
15	2	74.3	10	1120.0	-	10.829066
16	2	51.3	10	1216.0	-	11.464303

Table 37 - FCC Long Pulse Radar (Type 5) Waveform Trial#25 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	68.4	9	-	-	0.396734
2	2	64.2	9	1173.0	-	1.385718
3	1	55.9	9	-	-	3.414625
4	1	98.5	9	-	-	4.707316
5	2	85.1	9	1490.0	-	5.837965
6	2	67.1	9	1546.0	-	7.181355
7	2	79.2	9	1382.0	-	8.696688
8	1	98.6	9	-	-	9.918763
9	2	70.9	9	1687.0	-	11.733125

Table 38 - FCC Long Pulse Radar (Type 5) Waveform Trial#26 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.0	12	1590.0	-	0.546303
2	3	90.1	12	1325.0	1173.0	0.899888
3	3	75.4	12	1373.0	1660.0	1.390260
4	1	84.0	12	-	-	2.480618
5	1	87.9	12	-	-	3.322477
6	1	98.4	12	-	-	3.558425
7	3	89.6	12	1853.0	1097.0	4.390551
8	2	54.8	12	1773.0	-	5.076409
9	2	97.3	12	1960.0	-	5.889034
10	2	97.6	12	1340.0	-	6.317160
11	2	52.1	12	1312.0	-	6.791202
12	2	66.5	12	1886.0	-	7.552828
13	2	59.0	12	1341.0	-	8.483957
14	2	98.5	12	1932.0	-	9.037009
15	2	56.4	12	1636.0	-	9.699385
16	2	91.6	12	1619.0	-	10.508228
17	1	60.0	12	-	-	10.867572
18	2	63.9	12	1159.0	-	11.731321

Table 39 - FCC Long Pulse Radar (Type 5) Waveform Trial#27 (NOT Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	51.7	5	-	-	0.585481
2	2	78.2	5	1668.0	-	1.965516
3	2	53.0	5	1212.0	-	2.463476
4	3	63.8	5	1691.0	1386.0	3.690970
5	1	99.5	5	-	-	5.453227
6	3	63.1	5	1335.0	1646.0	6.491127
7	3	83.2	5	1199.0	1318.0	8.102023
8	2	59.7	5	1537.0	-	8.679848
9	3	70.8	5	1596.0	1973.0	10.630927
10	3	74.9	5	1770.0	1776.0	11.641753

Table 40 - FCC Long Pulse Radar (Type 5) Waveform Trial#28 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)

Table 40 - FCC Long Pulse Radar (Type 5) Waveform Trial#28 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	84.1	10	1207.0	1569.0	0.489885
2	3	73.0	10	1035.0	1861.0	0.676453
3	3	72.4	10	1872.0	1202.0	1.649554
4	2	52.2	10	1762.0	-	2.543525
5	3	72.3	10	1897.0	1643.0	2.981287
6	3	86.3	10	1724.0	1333.0	3.713319
7	3	64.8	10	1070.0	1474.0	4.140994
8	2	73.4	10	1103.0	-	4.736414
9	2	78.7	10	1286.0	-	5.460132
10	2	89.3	10	1558.0	-	6.462340
11	2	61.3	10	1016.0	-	7.176303
12	1	71.8	10	-	-	7.561128
13	3	50.2	10	1143.0	1153.0	8.276108
14	1	72.5	10	-	-	9.101587
15	2	62.3	10	1597.0	-	9.368686
16	2	53.0	10	1974.0	-	10.131096
17	2	85.0	10	1083.0	-	11.123883
18	2	84.8	10	1478.0	-	11.997758

Table 41 - FCC Long Pulse Radar (Type 5) Waveform Trial#29 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	54.4	12	1581.0	-	1.213787
2	2	85.3	12	1606.0	-	1.911948
3	2	74.4	12	1022.0	-	3.618670
4	2	72.4	12	1758.0	-	5.062642
5	1	51.3	12	-	-	7.135638
6	2	90.1	12	1648.0	-	7.885341
7	2	69.5	12	1048.0	-	10.005049
8	2	85.5	12	1774.0	-	11.958292

Table 42 - FCC Long Pulse Radar (Type 5) Waveform Trial#30 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	72.6	7	1066.0	1152.0	0.502968
2	2	63.9	7	1438.0	-	1.201494
3	2	66.2	7	1812.0	-	1.769544
4	2	81.2	7	1746.0	-	2.689005
5	2	79.9	7	1691.0	-	2.872260
6	2	84.9	7	1839.0	-	4.085934
7	3	95.2	7	1621.0	1599.0	4.686585
8	2	71.0	7	1462.0	-	5.582444
9	1	73.0	7	-	-	5.951465
10	3	93.7	7	1283.0	1712.0	6.435675
11	1	92.8	7	-	-	7.697197
12	1	52.0	7	-	-	8.306974
13	1	60.5	7	-	-	8.837684
14	2	55.1	7	1077.0	-	9.274534
15	2	88.6	7	1367.0	-	10.464070
16	2	62.7	7	1382.0	-	10.647727

Table 42 - FCC Long Pulse Radar (Type 5) Waveform Trial#30 (Detected) 40 MHz						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
17	2	63.9	7	1910.0	-	11.432663

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
1	9	1.0	333.0	Yes	5491.8MHz,-64.0dBm	Hop sequence: 5699, 5401, 5561, 5629, 5578, 5301, 5389, 5262, 5277, 5593, 5484, 5527, 5347, 5283, 5530, 5336, 5343, 5404, 5677, 5370, 5619, 5624, 5403, 5630, 5354, 5687, 5606, 5433, 5543, 5661, 5675, 5645, 5377, 5495, 5671, 5720, 5678, 5430, 5427, 5364, 5686, 5331, 5409, 5712, 5420, 5542, 5709, 5466, 5473, 5503, 5436, 5633, 5297, 5477, 5609, 5623, 5337, 5504, 5540, 5662, 5309, 5550, 5508, 5582, 5400, 5694, 5652, 5440, 5574, 5607, 5358, 5342, 5704, 5560, 5562, 5648, 5510, 5349, 5537, 5273, 5651, 5714, 5294, 5291, 5693, 5529, 5425, 5642, 5295, 5635, 5558, 5708, 5261, 5356, 5666, 5551, 5493, 5264, 5396, 5695 (7 hits)
2	9	1.0	333.0	Yes	5492.8MHz,-64.0dBm	Hop sequence: 5455, 5572, 5446, 5626, 5544, 5641, 5338, 5374, 5685, 5439, 5669, 5298, 5604, 5636, 5667, 5582, 5256, 5432, 5519, 5347, 5307, 5329, 5702, 5489, 5474, 5264, 5492, 5303, 5365, 5429, 5631, 5320, 5487, 5433, 5291, 5255, 5559, 5469, 5718, 5552, 5635, 5326, 5265, 5485, 5494, 5618, 5648, 5488, 5360, 5464, 5553, 5628, 5637, 5475, 5498, 5672, 5399, 5619, 5548, 5311, 5463, 5710, 5532, 5417, 5438, 5585, 5375, 5515, 5661, 5310, 5653, 5353, 5541, 5493, 5724, 5300, 5675, 5606, 5363, 5550, 5467, 5369, 5617, 5292, 5367, 5495, 5426, 5376, 5478, 5665, 5398, 5721, 5419, 5645, 5396, 5614, 5312, 5715, 5722, 5560 (7 hits)
3	9	1.0	333.0	Yes	5493.8MHz,-64.0dBm	Hop sequence: 5303, 5619, 5333, 5647, 5560,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5719, 5645, 5606, 5583, 5385, 5725, 5331, 5295, 5582, 5702, 5474, 5383, 5343, 5519, 5346, 5269, 5554, 5260, 5399, 5659, 5426, 5339, 5695, 5293, 5623, 5673, 5360, 5631, 5277, 5726, 5564, 5625, 5664, 5663, 5307, 5327, 5642, 5639, 5705, 5588, 5524, 5532, 5700, 5689, 5568, 5605, 5521, 5503, 5345, 5685, 5667, 5271, 5351, 5692, 5544, 5409, 5547, 5513, 5361, 5498, 5403, 5373, 5592, 5530, 5297, 5354, 5483, 5711, 5330, 5418, 5432, 5428, 5387, 5444, 5398, 5489, 5300, 5618, 5572, 5455, 5634, 5261, 5325, 5284, 5543, 5302, 5534, 5362, 5553, 5433, 5555, 5412, 5670, 5427, 5370 (6 hits)
4	9	1.0	333.0	Yes	5494.8MHz,-64.0dBm	Hop sequence: 5608, 5558, 5689, 5357, 5664, 5422, 5624, 5709, 5569, 5308, 5306, 5555, 5271, 5647, 5370, 5554, 5559, 5360, 5331, 5254, 5371, 5584, 5550, 5288, 5661, 5382, 5272, 5375, 5588, 5560, 5458, 5293, 5721, 5340, 5621, 5484, 5255, 5635, 5330, 5264, 5471, 5374, 5637, 5268, 5457, 5363, 5270, 5267, 5720, 5677, 5263, 5527, 5586, 5612, 5365, 5277, 5587, 5410, 5567, 5566, 5548, 5516, 5638, 5622, 5384, 5429, 5399, 5725, 5256, 5631, 5400, 5630, 5620, 5439, 5578, 5641, 5433, 5423, 5390, 5629, 5596, 5279, 5479, 5544, 5313, 5497, 5568, 5680, 5715, 5556, 5602, 5393, 5413, 5613, 5534, 5573, 5435, 5260, 5719, 5317 (3 hits)
5	9	1.0	333.0	Yes	5495.8MHz,-64.0dBm	Hop sequence: 5266, 5672, 5301, 5650, 5716, 5494, 5648, 5584, 5547, 5717, 5640, 5720, 5510, 5616, 5626, 5713, 5504,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5514, 5519, 5677, 5336, 5419, 5478, 5623, 5290, 5639, 5371, 5541, 5318, 5435, 5559, 5339, 5533, 5390, 5725, 5693, 5499, 5491, 5378, 5344, 5349, 5609, 5545, 5402, 5595, 5569, 5517, 5509, 5539, 5608, 5604, 5333, 5383, 5549, 5400, 5485, 5346, 5518, 5446, 5530, 5445, 5415, 5566, 5444, 5723, 5621, 5644, 5464, 5317, 5454, 5438, 5495, 5389, 5711, 5658, 5642, 5386, 5460, 5488, 5408, 5583, 5299, 5376, 5542, 5423, 5311, 5462, 5563, 5307, 5477, 5257, 5331, 5353, 5540, 5666, 5653, 5348, 5685, 5712, 5325 (10 hits)
6	9	1.0	333.0	Yes	5496.8MHz,-64.0dBm	Hop sequence: 5677, 5526, 5549, 5566, 5479, 5333, 5291, 5447, 5522, 5664, 5710, 5288, 5406, 5411, 5442, 5338, 5552, 5518, 5688, 5264, 5668, 5680, 5646, 5512, 5286, 5451, 5589, 5420, 5329, 5448, 5523, 5600, 5533, 5675, 5525, 5720, 5319, 5480, 5532, 5667, 5359, 5717, 5417, 5661, 5433, 5656, 5527, 5503, 5517, 5254, 5419, 5295, 5607, 5534, 5621, 5515, 5614, 5658, 5694, 5568, 5351, 5699, 5425, 5463, 5662, 5578, 5397, 5616, 5545, 5702, 5511, 5595, 5487, 5285, 5641, 5382, 5461, 5605, 5427, 5292, 5714, 5309, 5344, 5572, 5362, 5693, 5450, 5576, 5469, 5422, 5453, 5516, 5583, 5300, 5689, 5505, 5413, 5514, 5647, 5311 (14 hits)
7	9	1.0	333.0	Yes	5497.8MHz,-64.0dBm	Hop sequence: 5549, 5325, 5540, 5465, 5407, 5616, 5256, 5488, 5353, 5510, 5577, 5584, 5521, 5358, 5401, 5319, 5399, 5369, 5516, 5360, 5379,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5624, 5530, 5542, 5717, 5517, 5409, 5307, 5626, 5674, 5696, 5473, 5290, 5329, 5255, 5591, 5574, 5503, 5480, 5657, 5370, 5682, 5685, 5669, 5484, 5707, 5299, 5703, 5365, 5269, 5694, 5718, 5513, 5677, 5442, 5604, 5672, 5277, 5412, 5265, 5608, 5528, 5411, 5466, 5587, 5668, 5506, 5610, 5308, 5385, 5659, 5254, 5622, 5648, 5389, 5575, 5706, 5303, 5410, 5714, 5367, 5306, 5558, 5664, 5598, 5300, 5463, 5623, 5637, 5536, 5699, 5564, 5296, 5279, 5383, 5278, 5305, 5643, 5582, 5497 (9 hits)
8	9	1.0	333.0	Yes	5498.8MHz,-64.0dBm	Hop sequence: 5508, 5489, 5644, 5360, 5538, 5477, 5598, 5674, 5367, 5597, 5410, 5493, 5427, 5656, 5369, 5594, 5314, 5458, 5335, 5628, 5685, 5342, 5402, 5546, 5347, 5322, 5284, 5331, 5678, 5533, 5426, 5373, 5479, 5679, 5705, 5663, 5446, 5359, 5468, 5306, 5588, 5682, 5267, 5634, 5310, 5675, 5358, 5273, 5707, 5274, 5580, 5697, 5715, 5302, 5519, 5356, 5636, 5330, 5643, 5553, 5603, 5585, 5496, 5394, 5676, 5655, 5411, 5641, 5530, 5680, 5321, 5661, 5377, 5595, 5311, 5437, 5631, 5268, 5365, 5272, 5670, 5423, 5378, 5329, 5438, 5613, 5317, 5637, 5548, 5532, 5654, 5492, 5620, 5619, 5545, 5449, 5332, 5555, 5491, 5484 (5 hits)
9	9	1.0	333.0	Yes	5499.8MHz,-64.0dBm	Hop sequence: 5430, 5679, 5302, 5435, 5668, 5278, 5444, 5380, 5652, 5669, 5575, 5299, 5308, 5566, 5691, 5543, 5458, 5492, 5363, 5544, 5626, 5533, 5648, 5322, 5434, 5653, 5482, 5620, 5719, 5399, 5595, 5450, 5563,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5291, 5645, 5680, 5521, 5630, 5489, 5404, 5336, 5705, 5349, 5394, 5717, 5585, 5618, 5499, 5599, 5660, 5588, 5580, 5282, 5628, 5624, 5511, 5686, 5684, 5697, 5720, 5701, 5613, 5457, 5631, 5391, 5488, 5477, 5263, 5614, 5581, 5447, 5672, 5274, 5365, 5589, 5432, 5699, 5716, 5400, 5323, 5374, 5257, 5312, 5330, 5485, 5451, 5523, 5546, 5577, 5386, 5667, 5662, 5453, 5634, 5541, 5481, 5448, 5418, 5473, 5467 (5 hits)
10	9	1.0	333.0	Yes	5500.8MHz,-64.0dBm	Hop sequence: 5667, 5646, 5516, 5723, 5428, 5510, 5397, 5398, 5522, 5529, 5500, 5632, 5561, 5618, 5384, 5313, 5342, 5527, 5366, 5564, 5523, 5697, 5662, 5671, 5543, 5541, 5424, 5255, 5574, 5607, 5337, 5609, 5325, 5416, 5399, 5617, 5562, 5665, 5434, 5682, 5596, 5515, 5447, 5253, 5565, 5657, 5587, 5409, 5633, 5478, 5470, 5315, 5466, 5355, 5312, 5546, 5420, 5297, 5511, 5639, 5327, 5605, 5600, 5651, 5629, 5495, 5324, 5481, 5535, 5701, 5721, 5601, 5257, 5298, 5631, 5724, 5558, 5525, 5702, 5496, 5688, 5540, 5652, 5453, 5608, 5513, 5539, 5259, 5406, 5359, 5363, 5619, 5683, 5648, 5686, 5386, 5334, 5300, 5576, 5417 (12 hits)
11	9	1.0	333.0	Yes	5501.8MHz,-64.0dBm	Hop sequence: 5266, 5461, 5641, 5509, 5296, 5476, 5394, 5557, 5575, 5349, 5347, 5464, 5326, 5525, 5694, 5693, 5314, 5433, 5262, 5365, 5465, 5354, 5410, 5350, 5439, 5585, 5552, 5318, 5478, 5639, 5462, 5471, 5532, 5521, 5671, 5463, 5311, 5328, 5325, 5443, 5431,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5379, 5518, 5301, 5513, 5308, 5705, 5616, 5534, 5697, 5251, 5596, 5408, 5680, 5566, 5624, 5450, 5612, 5648, 5706, 5284, 5699, 5600, 5570, 5298, 5595, 5279, 5294, 5725, 5419, 5650, 5541, 5724, 5695, 5540, 5395, 5651, 5342, 5580, 5692, 5526, 5277, 5629, 5261, 5483, 5631, 5713, 5581, 5554, 5355, 5544, 5520, 5491, 5304, 5252, 5617, 5479, 5428, 5315, 5297 (7 hits)
12	9	1.0	333.0	Yes	5502.8MHz,-64.0dBm	Hop sequence: 5326, 5644, 5712, 5264, 5550, 5618, 5384, 5269, 5334, 5702, 5278, 5316, 5523, 5376, 5398, 5454, 5292, 5587, 5449, 5324, 5472, 5344, 5653, 5348, 5315, 5317, 5444, 5494, 5436, 5581, 5432, 5478, 5302, 5633, 5279, 5301, 5566, 5387, 5664, 5393, 5394, 5678, 5526, 5312, 5272, 5715, 5345, 5369, 5569, 5498, 5280, 5686, 5521, 5570, 5651, 5409, 5396, 5467, 5665, 5356, 5579, 5332, 5611, 5524, 5703, 5716, 5516, 5471, 5368, 5642, 5274, 5295, 5255, 5380, 5682, 5349, 5283, 5285, 5439, 5622, 5354, 5634, 5562, 5450, 5576, 5604, 5568, 5586, 5607, 5624, 5489, 5512, 5584, 5602, 5504, 5425, 5605, 5401, 5483, 5389 (9 hits)
13	9	1.0	333.0	Yes	5503.8MHz,-64.0dBm	Hop sequence: 5577, 5592, 5303, 5556, 5675, 5571, 5478, 5635, 5292, 5291, 5381, 5405, 5252, 5585, 5444, 5686, 5540, 5495, 5487, 5632, 5615, 5404, 5340, 5428, 5278, 5494, 5593, 5601, 5316, 5320, 5288, 5464, 5516, 5471, 5631, 5537, 5342, 5310, 5695, 5549, 5315, 5395, 5407, 5685, 5302, 5484, 5590, 5508, 5322, 5663, 5659, 5667, 5491,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5657, 5530, 5660, 5625, 5343, 5699, 5271, 5434, 5670, 5547, 5308, 5569, 5419, 5690, 5439, 5413, 5432, 5467, 5493, 5668, 5446, 5557, 5374, 5313, 5389, 5703, 5416, 5661, 5576, 5531, 5671, 5364, 5715, 5642, 5630, 5486, 5304, 5349, 5387, 5501, 5358, 5477, 5575, 5378, 5553, 5298, 5656 (6 hits)
14	9	1.0	333.0	Yes	5504.8MHz,-64.0dBm	Hop sequence: 5548, 5357, 5461, 5575, 5605, 5364, 5655, 5342, 5398, 5711, 5427, 5422, 5463, 5313, 5358, 5483, 5627, 5570, 5253, 5295, 5355, 5428, 5551, 5412, 5640, 5327, 5576, 5397, 5522, 5629, 5564, 5448, 5350, 5449, 5607, 5464, 5370, 5354, 5650, 5491, 5443, 5674, 5376, 5680, 5538, 5468, 5641, 5294, 5705, 5409, 5527, 5557, 5459, 5643, 5589, 5359, 5436, 5386, 5405, 5679, 5636, 5565, 5612, 5582, 5254, 5260, 5353, 5501, 5308, 5663, 5372, 5696, 5304, 5396, 5675, 5280, 5684, 5586, 5722, 5632, 5517, 5328, 5263, 5686, 5302, 5325, 5608, 5438, 5555, 5311, 5262, 5509, 5379, 5584, 5420, 5556, 5505, 5600, 5617, 5700 (6 hits)
15	9	1.0	333.0	Yes	5505.8MHz,-64.0dBm	Hop sequence: 5533, 5409, 5272, 5485, 5689, 5564, 5294, 5434, 5655, 5430, 5688, 5696, 5393, 5665, 5477, 5356, 5292, 5617, 5606, 5535, 5474, 5497, 5360, 5475, 5380, 5476, 5527, 5706, 5295, 5545, 5570, 5324, 5314, 5283, 5287, 5661, 5467, 5581, 5532, 5585, 5365, 5652, 5382, 5588, 5468, 5619, 5450, 5457, 5462, 5634, 5722, 5670, 5333, 5448, 5321, 5627, 5280, 5335, 5465, 5657, 5498, 5714, 5632, 5494, 5262,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5270, 5258, 5419, 5291, 5658, 5587, 5538, 5589, 5478, 5267, 5402, 5319, 5304, 5376, 5667, 5279, 5359, 5265, 5489, 5297, 5293, 5607, 5600, 5598, 5358, 5438, 5551, 5429, 5406, 5325, 5612, 5510, 5250, 5275, 5316 (5 hits)
16	9	1.0	333.0	Yes	5506.8MHz,-64.0dBm	Hop sequence: 5675, 5639, 5482, 5626, 5485, 5479, 5383, 5328, 5714, 5410, 5337, 5342, 5633, 5282, 5717, 5495, 5542, 5362, 5510, 5336, 5610, 5524, 5450, 5381, 5338, 5678, 5597, 5347, 5696, 5665, 5662, 5416, 5519, 5281, 5364, 5561, 5511, 5484, 5395, 5488, 5377, 5534, 5305, 5540, 5574, 5515, 5551, 5366, 5430, 5352, 5691, 5422, 5374, 5713, 5648, 5535, 5413, 5514, 5632, 5668, 5590, 5436, 5319, 5576, 5256, 5522, 5500, 5583, 5570, 5355, 5649, 5650, 5360, 5456, 5521, 5703, 5375, 5403, 5370, 5553, 5464, 5289, 5688, 5251, 5459, 5623, 5709, 5258, 5407, 5376, 5475, 5285, 5528, 5308, 5271, 5564, 5443, 5371, 5708, 5335 (11 hits)
17	9	1.0	333.0	Yes	5507.8MHz,-64.0dBm	Hop sequence: 5378, 5484, 5599, 5513, 5310, 5500, 5638, 5267, 5397, 5669, 5624, 5566, 5721, 5307, 5449, 5338, 5299, 5569, 5495, 5639, 5481, 5470, 5396, 5678, 5311, 5641, 5330, 5274, 5424, 5581, 5425, 5665, 5486, 5596, 5348, 5690, 5297, 5647, 5432, 5480, 5540, 5264, 5456, 5658, 5401, 5527, 5593, 5511, 5637, 5463, 5305, 5684, 5313, 5710, 5409, 5269, 5418, 5302, 5437, 5442, 5531, 5630, 5363, 5542, 5588, 5451, 5627, 5533, 5526, 5536, 5587, 5546, 5443,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5254, 5318, 5399, 5626, 5358, 5652, 5282, 5351, 5435, 5364, 5520, 5575, 5600, 5377, 5371, 5697, 5618, 5606, 5582, 5578, 5499, 5670, 5537, 5427, 5365, 5421, 5473 (8 hits)
18	9	1.0	333.0	Yes	5508.8MHz,-64.0dBm	Hop sequence: 5642, 5424, 5489, 5305, 5651, 5394, 5632, 5421, 5323, 5468, 5442, 5458, 5483, 5634, 5702, 5592, 5267, 5269, 5307, 5610, 5564, 5357, 5258, 5639, 5574, 5625, 5656, 5345, 5589, 5441, 5526, 5470, 5429, 5674, 5609, 5369, 5519, 5716, 5438, 5324, 5657, 5709, 5426, 5668, 5552, 5559, 5379, 5600, 5281, 5565, 5467, 5454, 5314, 5708, 5616, 5290, 5364, 5478, 5480, 5365, 5700, 5669, 5547, 5299, 5395, 5535, 5363, 5531, 5361, 5699, 5689, 5277, 5348, 5412, 5355, 5537, 5327, 5718, 5690, 5414, 5581, 5614, 5595, 5493, 5624, 5370, 5584, 5575, 5719, 5371, 5298, 5529, 5321, 5433, 5473, 5518, 5506, 5396, 5599, 5586 (5 hits)
19	9	1.0	333.0	Yes	5509.8MHz,-64.0dBm	Hop sequence: 5574, 5710, 5558, 5585, 5396, 5700, 5494, 5625, 5595, 5379, 5602, 5592, 5636, 5252, 5383, 5701, 5597, 5390, 5318, 5557, 5550, 5456, 5477, 5536, 5361, 5328, 5643, 5348, 5501, 5512, 5645, 5695, 5498, 5593, 5251, 5381, 5543, 5492, 5612, 5449, 5529, 5619, 5588, 5650, 5478, 5500, 5665, 5290, 5660, 5504, 5257, 5514, 5675, 5321, 5352, 5690, 5712, 5621, 5475, 5408, 5673, 5460, 5704, 5255, 5651, 5687, 5505, 5609, 5416, 5441, 5334, 5610, 5617, 5706, 5315, 5359, 5430, 5667, 5288, 5638, 5618, 5292, 5353, 5627, 5385,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5451, 5495, 5689, 5414, 5717, 5312, 5666, 5386, 5631, 5641, 5480, 5378, 5442, 5420, 5672 (10 hits)
20	9	1.0	333.0	Yes	5510.8MHz,-64.0dBm	Hop sequence: 5381, 5687, 5600, 5436, 5475, 5679, 5361, 5362, 5356, 5643, 5565, 5395, 5543, 5524, 5484, 5544, 5429, 5525, 5485, 5705, 5618, 5301, 5345, 5379, 5355, 5451, 5596, 5344, 5497, 5567, 5622, 5375, 5664, 5561, 5460, 5625, 5401, 5385, 5535, 5406, 5267, 5319, 5337, 5526, 5588, 5370, 5430, 5278, 5366, 5589, 5465, 5668, 5680, 5603, 5316, 5586, 5303, 5666, 5393, 5277, 5529, 5340, 5678, 5441, 5462, 5659, 5398, 5675, 5501, 5575, 5326, 5466, 5390, 5645, 5597, 5573, 5536, 5376, 5538, 5697, 5570, 5629, 5394, 5299, 5699, 5566, 5456, 5428, 5446, 5450, 5444, 5500, 5358, 5445, 5621, 5513, 5274, 5695, 5457, 5351 (7 hits)
21	9	1.0	333.0	Yes	5511.8MHz,-64.0dBm	Hop sequence: 5299, 5656, 5377, 5278, 5652, 5268, 5641, 5595, 5711, 5255, 5685, 5374, 5654, 5703, 5683, 5482, 5282, 5408, 5667, 5392, 5448, 5391, 5425, 5642, 5304, 5617, 5488, 5371, 5522, 5383, 5699, 5441, 5498, 5628, 5682, 5269, 5328, 5283, 5313, 5545, 5668, 5585, 5516, 5506, 5677, 5609, 5466, 5538, 5416, 5340, 5300, 5563, 5308, 5504, 5421, 5330, 5594, 5664, 5355, 5548, 5279, 5671, 5297, 5354, 5709, 5536, 5267, 5615, 5365, 5263, 5495, 5422, 5484, 5452, 5553, 5503, 5577, 5434, 5257, 5317, 5343, 5439, 5345, 5573, 5462, 5291, 5633, 5443, 5478, 5295, 5562, 5476, 5465,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5705, 5390, 5549, 5491, 5521, 5379, 5259 (8 hits)
22	9	1.0	333.0	Yes	5512.8MHz,-64.0dBm	Hop sequence: 5631, 5592, 5662, 5682, 5713, 5672, 5324, 5561, 5443, 5375, 5278, 5285, 5401, 5309, 5710, 5632, 5444, 5427, 5362, 5669, 5383, 5320, 5424, 5442, 5330, 5371, 5549, 5288, 5601, 5388, 5492, 5711, 5431, 5625, 5490, 5694, 5613, 5718, 5261, 5340, 5654, 5423, 5480, 5396, 5697, 5540, 5570, 5367, 5394, 5612, 5329, 5721, 5667, 5461, 5481, 5588, 5722, 5537, 5591, 5392, 5555, 5659, 5516, 5585, 5594, 5657, 5525, 5641, 5452, 5695, 5629, 5513, 5633, 5709, 5376, 5311, 5686, 5322, 5445, 5576, 5483, 5623, 5321, 5317, 5527, 5407, 5600, 5598, 5422, 5702, 5535, 5418, 5636, 5494, 5689, 5276, 5663, 5360, 5344, 5644 (6 hits)
23	9	1.0	333.0	Yes	5513.8MHz,-64.0dBm	Hop sequence: 5491, 5336, 5703, 5624, 5290, 5412, 5621, 5670, 5604, 5418, 5261, 5485, 5338, 5305, 5436, 5524, 5479, 5409, 5319, 5596, 5572, 5693, 5445, 5283, 5503, 5552, 5666, 5511, 5334, 5593, 5467, 5413, 5306, 5428, 5371, 5581, 5354, 5651, 5685, 5676, 5443, 5538, 5252, 5549, 5254, 5623, 5564, 5652, 5715, 5477, 5376, 5517, 5301, 5468, 5492, 5423, 5438, 5713, 5386, 5518, 5396, 5557, 5251, 5339, 5378, 5406, 5272, 5655, 5520, 5308, 5380, 5457, 5262, 5393, 5387, 5622, 5453, 5501, 5584, 5448, 5707, 5381, 5559, 5439, 5363, 5368, 5410, 5343, 5542, 5253, 5721, 5710, 5669, 5618, 5304, 5633, 5704, 5722, 5698, 5390 (8 hits)
24	9	1.0	333.0	Yes	5514.8MHz,-64.0dBm	Hop sequence: 5390,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5524, 5607, 5639, 5316, 5401, 5503, 5489, 5568, 5606, 5526, 5604, 5367, 5596, 5385, 5578, 5439, 5453, 5280, 5327, 5433, 5461, 5393, 5398, 5447, 5562, 5324, 5473, 5274, 5325, 5571, 5582, 5451, 5419, 5719, 5718, 5326, 5362, 5716, 5446, 5570, 5560, 5331, 5677, 5262, 5400, 5310, 5252, 5485, 5413, 5546, 5684, 5595, 5697, 5295, 5360, 5294, 5647, 5392, 5372, 5415, 5494, 5343, 5640, 5381, 5396, 5698, 5500, 5613, 5632, 5287, 5469, 5667, 5608, 5594, 5450, 5488, 5614, 5628, 5583, 5650, 5681, 5554, 5377, 5507, 5477, 5265, 5272, 5341, 5429, 5411, 5305, 5521, 5436, 5658, 5563, 5696, 5275, 5289, 5373 (7 hits)
25	9	1.0	333.0	Yes	5515.8MHz,-64.0dBm	Hop sequence: 5344, 5518, 5658, 5327, 5701, 5286, 5413, 5692, 5546, 5310, 5466, 5639, 5540, 5259, 5393, 5579, 5684, 5345, 5520, 5502, 5685, 5559, 5682, 5260, 5362, 5503, 5305, 5483, 5261, 5539, 5717, 5516, 5293, 5458, 5562, 5435, 5375, 5341, 5683, 5708, 5681, 5669, 5534, 5434, 5609, 5695, 5645, 5598, 5564, 5388, 5414, 5599, 5715, 5272, 5313, 5664, 5676, 5350, 5443, 5473, 5528, 5691, 5710, 5372, 5614, 5590, 5492, 5647, 5571, 5576, 5721, 5378, 5391, 5385, 5524, 5716, 5641, 5419, 5527, 5582, 5449, 5515, 5529, 5580, 5532, 5600, 5251, 5360, 5523, 5402, 5302, 5718, 5494, 5674, 5321, 5526, 5511, 5589, 5720, 5276 (14 hits)
26	9	1.0	333.0	Yes	5516.8MHz,-64.0dBm	Hop sequence: 5456, 5349, 5555, 5515, 5552, 5572, 5514, 5650, 5393,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5657, 5652, 5304, 5313, 5646, 5318, 5616, 5461, 5409, 5679, 5593, 5654, 5521, 5268, 5693, 5544, 5451, 5362, 5317, 5473, 5606, 5648, 5543, 5566, 5442, 5664, 5631, 5440, 5704, 5636, 5479, 5368, 5598, 5694, 5503, 5624, 5696, 5366, 5490, 5642, 5501, 5478, 5406, 5550, 5529, 5612, 5492, 5265, 5272, 5629, 5558, 5684, 5687, 5482, 5711, 5364, 5322, 5453, 5576, 5546, 5597, 5462, 5410, 5512, 5669, 5610, 5562, 5504, 5673, 5344, 5489, 5296, 5643, 5568, 5480, 5505, 5587, 5315, 5363, 5327, 5611, 5355, 5432, 5411, 5311, 5485, 5553, 5449, 5281, 5305, 5323 (9 hits)
27	9	1.0	333.0	Yes	5517.8MHz,-64.0dBm	Hop sequence: 5391, 5406, 5724, 5372, 5325, 5606, 5639, 5452, 5597, 5279, 5522, 5498, 5409, 5352, 5459, 5396, 5645, 5562, 5415, 5342, 5507, 5638, 5421, 5648, 5526, 5553, 5300, 5464, 5589, 5702, 5455, 5399, 5538, 5267, 5547, 5385, 5698, 5357, 5661, 5670, 5326, 5450, 5517, 5593, 5528, 5451, 5545, 5400, 5292, 5673, 5327, 5505, 5474, 5408, 5700, 5635, 5601, 5496, 5480, 5693, 5265, 5556, 5418, 5319, 5524, 5549, 5420, 5722, 5708, 5382, 5515, 5251, 5713, 5646, 5271, 5679, 5306, 5682, 5321, 5652, 5488, 5278, 5668, 5282, 5301, 5605, 5706, 5647, 5624, 5707, 5559, 5334, 5529, 5471, 5412, 5339, 5622, 5486, 5250, 5628 (10 hits)
28	9	1.0	333.0	Yes	5518.8MHz,-64.0dBm	Hop sequence: 5557, 5268, 5494, 5586, 5700, 5320, 5471, 5429, 5381, 5621, 5587, 5484, 5670, 5493, 5718, 5490, 5664,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5577, 5556, 5601, 5547, 5579, 5322, 5631, 5304, 5462, 5474, 5328, 5650, 5344, 5301, 5595, 5376, 5449, 5602, 5623, 5384, 5382, 5591, 5433, 5632, 5725, 5488, 5622, 5519, 5726, 5541, 5453, 5663, 5518, 5293, 5352, 5600, 5420, 5610, 5308, 5567, 5671, 5516, 5330, 5701, 5403, 5643, 5444, 5414, 5283, 5405, 5648, 5606, 5576, 5452, 5468, 5649, 5548, 5520, 5709, 5426, 5394, 5502, 5257, 5684, 5653, 5554, 5683, 5555, 5442, 5311, 5267, 5689, 5588, 5466, 5482, 5389, 5713, 5499, 5321, 5525, 5385, 5399, 5613 (9 hits)
29	9	1.0	333.0	Yes	5519.8MHz,-64.0dBm	Hop sequence: 5636, 5691, 5413, 5406, 5705, 5453, 5541, 5647, 5279, 5552, 5693, 5440, 5707, 5649, 5612, 5537, 5562, 5700, 5285, 5616, 5418, 5393, 5509, 5333, 5501, 5258, 5320, 5409, 5323, 5288, 5581, 5674, 5490, 5378, 5263, 5570, 5682, 5631, 5629, 5632, 5689, 5521, 5697, 5592, 5596, 5311, 5447, 5344, 5441, 5403, 5585, 5364, 5494, 5395, 5446, 5598, 5390, 5318, 5557, 5503, 5405, 5523, 5704, 5456, 5421, 5460, 5332, 5660, 5342, 5620, 5582, 5491, 5354, 5366, 5389, 5374, 5686, 5281, 5713, 5505, 5683, 5534, 5574, 5536, 5650, 5256, 5726, 5643, 5331, 5286, 5266, 5651, 5531, 5312, 5600, 5512, 5528, 5623, 5367, 5478 (9 hits)
30	9	1.0	333.0	Yes	5520.8MHz,-64.0dBm	Hop sequence: 5332, 5722, 5523, 5342, 5434, 5698, 5561, 5716, 5631, 5344, 5474, 5252, 5478, 5508, 5541, 5404, 5723, 5281, 5259, 5484, 5704, 5471, 5625, 5463, 5582, 5499, 5589, 5495, 5350,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5291, 5358, 5651, 5650, 5326, 5420, 5378, 5301, 5360, 5461, 5494, 5543, 5693, 5544, 5713, 5330, 5261, 5530, 5263, 5685, 5473, 5683, 5466, 5708, 5714, 5283, 5487, 5533, 5688, 5254, 5599, 5690, 5392, 5351, 5686, 5624, 5364, 5379, 5277, 5516, 5272, 5383, 5258, 5627, 5356, 5464, 5572, 5406, 5365, 5297, 5328, 5432, 5520, 5725, 5703, 5479, 5545, 5720, 5637, 5287, 5483, 5697, 5288, 5262, 5402, 5578, 5670, 5644, 5481, 5340, 5519 (8 hits)
31	9	1.0	333.0	Yes	5521.8MHz,-64.0dBm	Hop sequence: 5547, 5477, 5488, 5518, 5651, 5332, 5314, 5574, 5537, 5276, 5409, 5322, 5280, 5606, 5426, 5474, 5384, 5475, 5435, 5644, 5500, 5611, 5621, 5255, 5713, 5558, 5363, 5464, 5658, 5685, 5566, 5580, 5701, 5624, 5709, 5605, 5534, 5355, 5514, 5563, 5590, 5270, 5440, 5677, 5568, 5399, 5529, 5449, 5453, 5302, 5429, 5278, 5544, 5400, 5341, 5715, 5708, 5439, 5410, 5282, 5307, 5522, 5496, 5532, 5612, 5707, 5284, 5414, 5295, 5420, 5250, 5608, 5334, 5256, 5578, 5391, 5262, 5493, 5617, 5717, 5335, 5700, 5259, 5549, 5551, 5419, 5451, 5552, 5428, 5336, 5723, 5389, 5274, 5597, 5378, 5304, 5288, 5323, 5637, 5319 (6 hits)
32	9	1.0	333.0	Yes	5522.8MHz,-64.0dBm	Hop sequence: 5355, 5344, 5319, 5598, 5307, 5274, 5377, 5618, 5340, 5584, 5695, 5362, 5692, 5587, 5691, 5638, 5361, 5301, 5495, 5475, 5610, 5686, 5348, 5300, 5451, 5445, 5675, 5263, 5343, 5367, 5372, 5488, 5544, 5513, 5434, 5502, 5297, 5365, 5699, 5461, 5353,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5302, 5449, 5535, 5256, 5694, 5391, 5583, 5331, 5621, 5586, 5486, 5406, 5345, 5508, 5499, 5357, 5315, 5252, 5481, 5327, 5390, 5698, 5407, 5379, 5717, 5682, 5576, 5455, 5561, 5559, 5416, 5554, 5456, 5454, 5296, 5433, 5403, 5498, 5412, 5574, 5601, 5402, 5528, 5411, 5597, 5370, 5490, 5255, 5660, 5556, 5645, 5363, 5666, 5629, 5651, 5519, 5723, 5663, 5482 (8 hits)
33	9	1.0	333.0	Yes	5523.8MHz,-64.0dBm	Hop sequence: 5448, 5553, 5637, 5505, 5597, 5551, 5442, 5603, 5416, 5507, 5456, 5378, 5498, 5682, 5405, 5688, 5573, 5564, 5610, 5330, 5310, 5341, 5461, 5623, 5670, 5436, 5581, 5395, 5308, 5454, 5651, 5536, 5662, 5351, 5579, 5368, 5329, 5599, 5391, 5594, 5287, 5511, 5306, 5707, 5642, 5562, 5554, 5315, 5641, 5422, 5432, 5726, 5327, 5410, 5712, 5309, 5435, 5513, 5614, 5444, 5552, 5323, 5501, 5632, 5673, 5383, 5675, 5331, 5445, 5528, 5252, 5280, 5417, 5500, 5369, 5362, 5708, 5318, 5565, 5472, 5274, 5402, 5253, 5600, 5488, 5459, 5653, 5388, 5481, 5625, 5714, 5264, 5723, 5458, 5514, 5557, 5390, 5496, 5475, 5344 (10 hits)
34	9	1.0	333.0	Yes	5524.8MHz,-64.0dBm	Hop sequence: 5512, 5267, 5426, 5413, 5622, 5695, 5704, 5375, 5719, 5485, 5391, 5640, 5459, 5262, 5546, 5524, 5596, 5497, 5409, 5320, 5339, 5712, 5473, 5448, 5281, 5547, 5276, 5711, 5296, 5292, 5503, 5517, 5555, 5498, 5654, 5594, 5708, 5642, 5528, 5398, 5607, 5318, 5612, 5672, 5309, 5487, 5722, 5359, 5431,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5260, 5721, 5342, 5684, 5614, 5698, 5690, 5298, 5482, 5627, 5603, 5581, 5353, 5609, 5325, 5650, 5605, 5700, 5286, 5483, 5303, 5385, 5564, 5667, 5387, 5591, 5403, 5576, 5537, 5291, 5688, 5518, 5632, 5500, 5610, 5697, 5510, 5583, 5634, 5671, 5356, 5364, 5593, 5604, 5683, 5271, 5579, 5289, 5625, 5279, 5516 (11 hits)
35	9	1.0	333.0	Yes	5525.8MHz,-64.0dBm	Hop sequence: 5720, 5437, 5289, 5403, 5494, 5558, 5598, 5444, 5450, 5576, 5304, 5699, 5582, 5377, 5425, 5327, 5561, 5413, 5615, 5509, 5448, 5343, 5563, 5256, 5614, 5570, 5629, 5420, 5439, 5458, 5335, 5517, 5724, 5442, 5712, 5617, 5681, 5329, 5706, 5323, 5337, 5322, 5463, 5410, 5618, 5283, 5510, 5430, 5605, 5583, 5577, 5694, 5302, 5479, 5399, 5375, 5421, 5379, 5499, 5270, 5395, 5394, 5459, 5260, 5620, 5613, 5406, 5562, 5533, 5274, 5321, 5595, 5347, 5682, 5725, 5534, 5580, 5657, 5630, 5596, 5280, 5674, 5401, 5529, 5362, 5293, 5305, 5441, 5344, 5641, 5427, 5285, 5294, 5397, 5628, 5383, 5440, 5419, 5721, 5451 (5 hits)
36	9	1.0	333.0	Yes	5526.8MHz,-64.0dBm	Hop sequence: 5469, 5365, 5682, 5643, 5519, 5549, 5528, 5441, 5520, 5339, 5711, 5432, 5599, 5250, 5571, 5423, 5475, 5359, 5645, 5353, 5319, 5592, 5653, 5280, 5568, 5415, 5522, 5616, 5489, 5700, 5606, 5458, 5314, 5462, 5252, 5435, 5667, 5656, 5465, 5328, 5378, 5334, 5404, 5385, 5695, 5479, 5266, 5301, 5333, 5408, 5449, 5406, 5470, 5597, 5723, 5436, 5632,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5668, 5527, 5620, 5612, 5540, 5463, 5477, 5532, 5402, 5337, 5718, 5517, 5317, 5396, 5647, 5550, 5297, 5445, 5490, 5312, 5483, 5575, 5269, 5419, 5346, 5344, 5719, 5253, 5584, 5518, 5308, 5692, 5277, 5513, 5496, 5704, 5276, 5559, 5285, 5541, 5706, 5694, 5681 (9 hits)
37	9	1.0	333.0	Yes	5527.8MHz,-64.0dBm	Hop sequence: 5631, 5669, 5553, 5639, 5382, 5661, 5465, 5377, 5452, 5578, 5723, 5575, 5368, 5662, 5426, 5398, 5381, 5570, 5533, 5337, 5351, 5589, 5557, 5439, 5577, 5344, 5689, 5635, 5272, 5605, 5565, 5269, 5317, 5394, 5467, 5378, 5619, 5626, 5393, 5260, 5651, 5597, 5600, 5519, 5455, 5693, 5515, 5287, 5560, 5271, 5474, 5441, 5429, 5608, 5696, 5283, 5380, 5547, 5602, 5363, 5486, 5588, 5622, 5343, 5396, 5511, 5451, 5720, 5420, 5611, 5607, 5598, 5266, 5663, 5679, 5500, 5252, 5397, 5306, 5454, 5303, 5250, 5314, 5333, 5477, 5355, 5437, 5350, 5434, 5347, 5412, 5369, 5298, 5362, 5421, 5593, 5395, 5677, 5263, 5480 (4 hits)
38	9	1.0	333.0	Yes	5528.2MHz,-64.0dBm	Hop sequence: 5612, 5487, 5681, 5367, 5262, 5651, 5720, 5440, 5445, 5490, 5437, 5611, 5461, 5457, 5321, 5386, 5453, 5309, 5723, 5426, 5269, 5488, 5672, 5287, 5627, 5501, 5446, 5421, 5671, 5289, 5325, 5568, 5465, 5504, 5391, 5719, 5489, 5297, 5573, 5537, 5616, 5494, 5708, 5451, 5479, 5688, 5682, 5570, 5361, 5423, 5530, 5598, 5449, 5307, 5360, 5438, 5630, 5450, 5503, 5411, 5726, 5415, 5693, 5439, 5652, 5576, 5281, 5528, 5434,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5593, 5406, 5272, 5620, 5578, 5678, 5613, 5581, 5441, 5534, 5665, 5448, 5374, 5709, 5525, 5690, 5480, 5704, 5497, 5455, 5558, 5473, 5670, 5306, 5469, 5433, 5336, 5599, 5476, 5396, 5625 (7 hits)
39	9	1.0	333.0	Yes	5491.8MHz,-64.0dBm	Hop sequence: 5393, 5262, 5354, 5671, 5453, 5486, 5707, 5383, 5414, 5305, 5655, 5451, 5432, 5443, 5702, 5578, 5541, 5276, 5539, 5525, 5492, 5394, 5660, 5616, 5445, 5620, 5378, 5270, 5535, 5483, 5531, 5449, 5725, 5433, 5500, 5257, 5663, 5710, 5678, 5496, 5411, 5712, 5508, 5549, 5280, 5599, 5600, 5673, 5516, 5389, 5654, 5604, 5329, 5385, 5304, 5624, 5536, 5282, 5487, 5364, 5720, 5311, 5274, 5480, 5293, 5482, 5575, 5334, 5689, 5312, 5254, 5590, 5574, 5542, 5641, 5307, 5670, 5568, 5351, 5679, 5281, 5630, 5602, 5381, 5405, 5499, 5251, 5562, 5438, 5426, 5628, 5521, 5302, 5454, 5404, 5284, 5576, 5714, 5724, 5340 (8 hits)
40	9	1.0	333.0	Yes	5492.8MHz,-64.0dBm	Hop sequence: 5340, 5503, 5547, 5271, 5414, 5579, 5702, 5289, 5263, 5258, 5266, 5480, 5622, 5559, 5320, 5392, 5677, 5502, 5521, 5372, 5626, 5615, 5477, 5441, 5406, 5318, 5689, 5387, 5307, 5516, 5351, 5717, 5506, 5653, 5270, 5365, 5674, 5312, 5276, 5331, 5617, 5285, 5704, 5687, 5319, 5598, 5373, 5397, 5639, 5306, 5344, 5545, 5663, 5437, 5479, 5452, 5695, 5599, 5721, 5634, 5445, 5302, 5381, 5707, 5473, 5609, 5290, 5268, 5584, 5655, 5309, 5606, 5421, 5565, 5478, 5313, 5363, 5386, 5620, 5577, 5561,

Table 43 - FCC frequency hopping radar (Type 6) Results 40 MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Frequency and Level	Burst Information
						5690, 5255, 5451, 5507, 5254, 5389, 5616, 5317, 5341, 5614, 5411, 5594, 5366, 5660, 5257, 5630, 5676, 5525, 5642 (7 hits)
41	9	1.0	333.0	Yes	5493.8MHz,-64.0dBm	Hop sequence: 5305, 5687, 5480, 5348, 5306, 5591, 5367, 5254, 5291, 5628, 5559, 5324, 5286, 5666, 5449, 5312, 5677, 5561, 5538, 5442, 5517, 5509, 5252, 5455, 5281, 5725, 5518, 5587, 5580, 5613, 5530, 5420, 5662, 5360, 5550, 5382, 5264, 5440, 5419, 5582, 5722, 5638, 5630, 5533, 5642, 5309, 5349, 5292, 5343, 5273, 5640, 5441, 5548, 5713, 5696, 5394, 5289, 5645, 5694, 5619, 5258, 5635, 5655, 5498, 5359, 5444, 5671, 5579, 5629, 5558, 5261, 5336, 5400, 5270, 5408, 5505, 5502, 5651, 5351, 5599, 5274, 5524, 5632, 5276, 5586, 5317, 5491, 5430, 5490, 5644, 5552, 5321, 5589, 5267, 5364, 5293, 5335, 5369, 5338, 5275 (7 hits)

Appendix C Test Configuration Photograph(s)

End of Report

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marks the last page of this test report.