TEST REPORT

Covering the
DYNAMIC FREQUENCY SELECTION (DFS)
REQUIREMENTS
OF

FCC Part 15 Subpart E (UNII)

Motorola Corporation
Model(s): AP-7131n

FCC ID:	UZ7AP7131N
Industry Canada Certification Number:	109AN-AP7131N
COMPANY:	Motorola Corporation 55 Las Colinas Lane San Jose, CA, 95119
TEST SITE:	Elliott Laboratories 41039 Boyce Road Fremont, CA 94538
REPORT DATE:	May 6, 2011
FINAL TEST DATE:	April 15 & 18, and May 6, 2011
TEST ENGINEER:	Wayne Fisher and David Bare
AUTHORIZED SIGNATORY:	Mark Briggs Staff Engineer

A2LA ACCREDITED
Testing Cert #2016.01

REVISION HISTORY

Rev #	Date	Comments	Modified By
1.0	May 6, 2011	Initial release	-

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SCOPE

Test data has been taken pursuant to the relevant DFS requirements of FCC Part 15 Subpart E Unlicensed National Information Infrastructure (U-NII) Devices.

Tests were performed in accordance with these standards together with the current published versions of the basic standards referenced therein as outlined in Elliott Laboratories test procedures. The test results recorded herein are based on a single type test of the Motorola Corporation model AP-7131n and therefore apply only to the tested sample. The sample was selected and prepared by Bert Scarmozino of Motorola Corporation.

OBJECTIVE

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

STATEMENT OF COMPLIANCE

The tested sample of the Motorola Corporation model AP-7131n complied with the DFS requirements of FCC Part 15.407(h)(2).

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

DEVIATIONS FROM THE STANDARD

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

EQUIPMENT UNDER TEST (EUT) DETAILS

GENERAL

The Motorola Corporation model AP-7131n is a wireless access point.

The sample was received on April 15, 2011 and tested on April 15 & 18, and May 6, 2011. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
Motorola Corp.	AP7131n	Access Point	

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)	5	5
Highest Antenna Gain (dBi)	13.9	13.9
EIRP Output Power (dBm)	23.5	23.5

☒ Power can exceed 200mW eirp

Channel Protocol

☒ IP Based

ENCLOSURE

The EUT enclosure measures approximately 20 by 15 by 4 centimeters. It is primarily constructed of metal.

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
Hewlett Packard	*Elitebook 8440w*	*Computer*	*CND0380266*	*DoC*
Dell	Latitude E5500	Computer	DPDGXG1	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	Dell Computer	CAT5-UTP	Unshielded	3.0
Serial	Dell Computer	RJ45 to 9p Dsub	Unshielded	1.5

EUT OPERATION

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

Master Device: 4.1.3.0-004R

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

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

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

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

RADAR WAVEFORMS

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

Table 2 FCC Long Pulse Radar Test Waveforms							
Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Pulses / burst	Number of *Bursts*	Minimum Detection Percentage	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Table 3 FCC Frequency Hopping Radar Test Waveforms							
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses / hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Detection Percentage	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

TEST RESULTS

TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE

Table 4 FCC Part 15 Subpart E Master Device Test Result Summary (20MHz)						
Description	Radar Type	Radar Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5500 MHz	67 s	≥ 60s	Appendix D	Pass
CAC Detection Threshold	Type 1	Note 4	-	-64dBm (-57.5dBm at the receiver input) Note 2	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5500 MHz	-61 dBm at the receiver input Note 2		Appendix B	Pass Note 5
Bandwidth Detection	Type 1	-	20 MHz	80% of the 99% BW	Table 6	Pass
Channel closing transmission time	Type 1 Type 5	5500 5540	25.02ms 0.0ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5500 5540	6.306s 0.0s	≤ 10s	Appendix C	Pass
Non-occupancy period	-	5500	1800s	> 30 minutes	Appendix C	Pass
Uniform Loading		Manufacturer will address via an operational description.				Not evaluated

Notes:

1) Tests were performed using the conducted test method.
2) The measured detection threshold is based on the output power, e.i.r.p. and antenna gain information detailed in Appendix E with a minimum threshold at the antenna of -64dBm. Given the antennas gains in the Appendix, the lowest required detection threshold level at the receiver input is -57.5dBm. Types 1-4 and Frequency Hopping radar were performed at a level of -69dBm and the Long Pulse radar was performed at -61dBm (all levels measured at the receiver input). All levels were below the minimum required threshold level.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.
4) As the device uses the same algorithms for in-service monitoring and CAC the CAC detection probability and thresholds were not evaluated.
5) Correlation measurement(s) were made using the radiated method to evaluate detection probability for radar type 1 in **20MHz** mode using the lowest gain antenna (**5dBi dipole**) at a radar threshold of -66dBm. This measurement was done to confirm that both radiated and conducted methods gave similar results (conducted success rate was 100% for type 1 and the radiated method gave a success rate of **100** %). Refer to Table 8 and Table 9.

Table 5 FCC Part 15 Subpart E Master Device Test Result Summary (40MHz)						
Description	Radar Type	Radar Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5500	67s	≥ 60s	Appendix D	Pass
CAC Detection Threshold	Type 1	5500	-69dBm	-59dBm (See note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5500	-69 dBm (note 2)	-59dBm (See note 2)	Appendix B	Pass Note 5
Bandwidth Detection	Type 1	-	40 MHz	80% of the 99% BW	Table 46	Pass

Notes:

1) Tests were performed using the conducted test method.
2) The measured detection threshold is based on the output power, e.i.r.p. and antenna gain information detailed in Appendix E with a minimum threshold at the antenna of -64dBm. Given the antennas gains in the Appendix, the lowest required detection threshold level at the receiver input is -57.5dBm. All probability tests were performed at a level of -69dBm at the receiver input, below the minimum required threshold level.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.
4) As the device uses the same algorithms for in-service monitoring and CAC the CAC detection probability and thresholds were not evaluated.
5) Correlation measurement(s) were made using the radiated method to evaluate detection probability for radar type 1 in **40MHz** mode using the lowest gain antenna (**5dBi dipole**) at a radar thresholds of -64dBm. This measurement was done to confirm that both radiated and conducted methods gave similar results (conducted success rate was 100% for type 1 and the radiated method gave a success rate of **100**%). Refer to Table 47 and Table 48.

MEASUREMENT UNCERTAINTIES

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

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

DFS TEST METHODS

RADIATED TEST METHOD

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

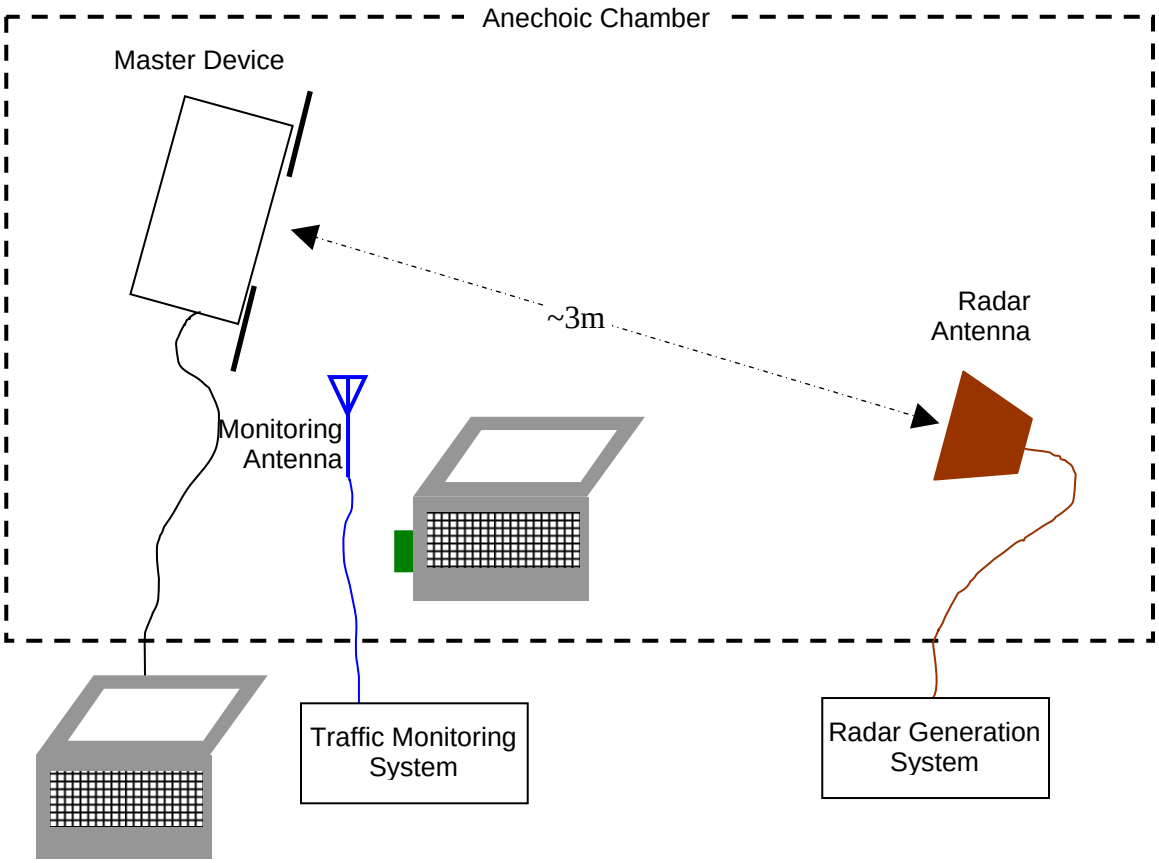

Figure 1 Test Configuration for radiated Measurement Method

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

The signal level is verified by measuring the CW signal level from the radar generation system using a reference antenna of gain G (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:

Applied level (dBm) = R – GREF + L

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

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

CONDUCTED TEST METHOD

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

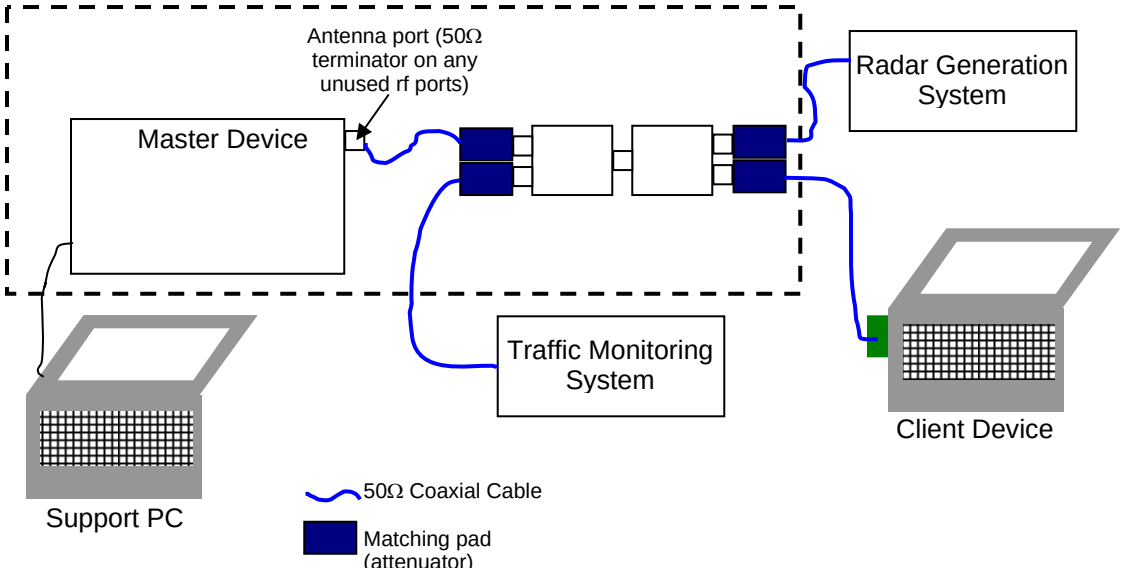

Figure 2 Test Configuration for Conducted Measurement Method

The signal level of the simulated waveform is set to a reference level equal to the threshold level (plus 1dB if testing against FCC requirements). Lower levels may also be applied on request of the manufacturer.

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

Applied level (dBm) = R - GRDD

If both master and client devices have radar detection capability then the radar level at the non RDD is verified to be at least 20dB below the threshold level to ensure that any responses are due to the RDD detecting radar.

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

DFS MEASUREMENT INSTRUMENTATION

RADAR GENERATION SYSTEM

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

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

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

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

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

CHANNEL MONITORING SYSTEM

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

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

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

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

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

DFS MEASUREMENT METHODS

DFS RADAR DETECTION BANDWIDTH

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

DFS – CHANNEL CLOSING TRANSMISSION TIME AND CHANNEL MOVE TIME

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

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

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

ETSI[1] – the total time of all individual transmissions from the EUT that are observed from the end of the last radar pulse in the waveform. This value is required to be less than 260ms.

DFS – CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING

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

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

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

DFS CHANNEL AVAILABILITY CHECK TIME

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

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

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	780	28-Dec-11
Agilent	PSG Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	30-Mar-12
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052B	2118	29-Sep-11
Hewlett Packard	EMC Spectrum Analyzer, 9 kHz - 6.5 GHz	8595EM	780	28-Dec-11

Appendix B Test Data Tables for Radar Detection Probability

The plot below shows the channel loading during testing as evaluated over a 1 second period. The traffic was generated by streaming the FCC mpeg file using Media Player Classic.

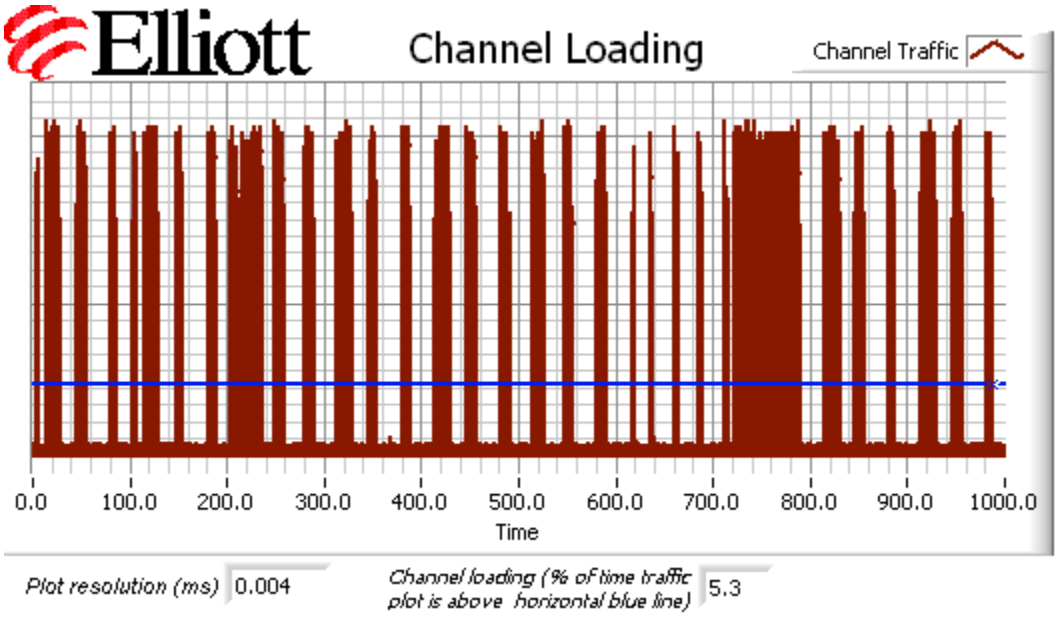

Figure 3 Channel Utilization During In-Service Detection Measurements (20MHz channel)

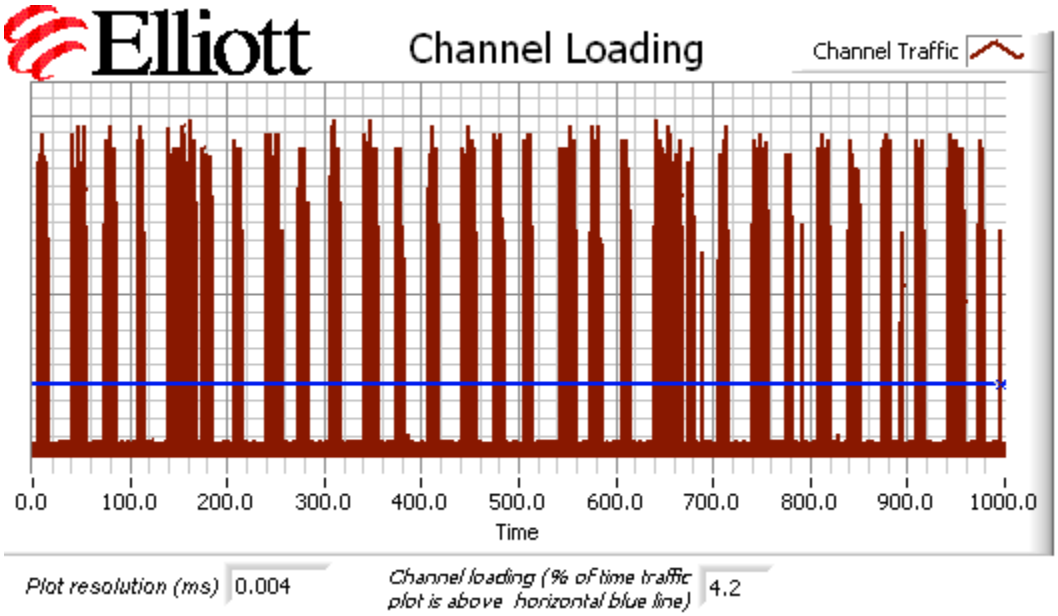

Figure 4 Channel Utilization During In-Service Detection Measurements (40MHz channel)

Table 6 - 20MHzDetection Bandwidth Measurements (Bandwidth: +10MHz /-10MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5489.00 MHz	7	3	70
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5490.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5510.00 MHz	9	1	90
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5511.00 MHz	0	3	0

Table 7 - Summary Of All Radar Types - 20MHz (Radiated Method)				
Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
These measurements were performed to confirm that the radiated and conducted test methods gave comparable results. Refer to Table 9 and Table 10 for the conducted method results for radar type 1 (detected at 100%). A similar comparison was made in the 40MHz bandwidth mode (Table 47 and Table 48). The radar test level of -66dBm was used to give a signal level at the receiver input of -61dBm (based on the nominal antenna gain of 5dBi), the same level that w as used for the conducted test.				

Table 8 - FCC Short Pulse Radar (Type 1) Results 20MHz (Radiated Method)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5495.0MHz, -66.0dBm	Single burst (05/06/2011 08:41:09 AM)
2	18	1.0	1428.0	Yes	5505.0MHz, -66.0dBm	Single burst (05/06/2011 08:41:17 AM)
3	18	1.0	1428.0	Yes	5500.0MHz, -66.0dBm	Single burst (05/06/2011 08:41:24 AM)
4	18	1.0	1428.0	Yes	5495.0MHz, -66.0dBm	Single burst (05/06/2011 08:41:32 AM)
5	18	1.0	1428.0	Yes	5505.0MHz, -66.0dBm	Single burst (05/06/2011 08:41:38 AM)
6	18	1.0	1428.0	Yes	5500.0MHz, -66.0dBm	Single burst (05/06/2011 08:41:47 AM)
7	18	1.0	1428.0	Yes	5495.0MHz, -66.0dBm	Single burst (05/06/2011 08:41:56 AM)
8	18	1.0	1428.0	Yes	5505.0MHz, -66.0dBm	Single burst (05/06/2011 08:42:07 AM)
9	18	1.0	1428.0	Yes	5500.0MHz, -66.0dBm	Single burst (05/06/2011 08:42:15 AM)
10	18	1.0	1428.0	Yes	5495.0MHz, -66.0dBm	Single burst (05/06/2011 08:42:22 AM)
11	18	1.0	1428.0	Yes	5505.0MHz, -66.0dBm	Single burst (05/06/2011 08:42:29 AM)
12	18	1.0	1428.0	Yes	5500.0MHz, -66.0dBm	Single burst (05/06/2011 08:42:36 AM)
13	18	1.0	1428.0	Yes	5495.0MHz, -66.0dBm	Single burst (05/06/2011 08:42:44 AM)
14	18	1.0	1428.0	Yes	5505.0MHz, -66.0dBm	Single burst (05/06/2011 08:42:52 AM)
15	18	1.0	1428.0	Yes	5500.0MHz, -66.0dBm	Single burst (05/06/2011 08:43:00 AM)
16	18	1.0	1428.0	Yes	5495.0MHz, -66.0dBm	Single burst (05/06/2011 08:43:09 AM)
17	18	1.0	1428.0	Yes	5505.0MHz, -66.0dBm	Single burst (05/06/2011 08:43:17 AM)
18	18	1.0	1428.0	Yes	5500.0MHz, -66.0dBm	Single burst (05/06/2011 08:43:24 AM)
19	18	1.0	1428.0	Yes	5495.0MHz, -66.0dBm	Single burst (05/06/2011 08:43:33 AM)
20	18	1.0	1428.0	Yes	5505.0MHz, -66.0dBm	Single burst (05/06/2011 08:43:41 AM)
21	18	1.0	1428.0	Yes	5500.0MHz,	Single burst (05/06/2011 08:43:51

Table 8 - FCC Short Pulse Radar (Type 1) Results 20MHz (Radiated Method)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-66.0dBm	AM)
22	18	1.0	1428.0	Yes	5495.0MHz, -66.0dBm	Single burst (05/06/2011 08:43:58 AM)
23	18	1.0	1428.0	Yes	5505.0MHz, -66.0dBm	Single burst (05/06/2011 08:44:07 AM)
24	18	1.0	1428.0	Yes	5500.0MHz, -66.0dBm	Single burst (05/06/2011 08:44:16 AM)
25	18	1.0	1428.0	Yes	5495.0MHz, -66.0dBm	Single burst (05/06/2011 08:44:23 AM)
26	18	1.0	1428.0	Yes	5505.0MHz, -66.0dBm	Single burst (05/06/2011 08:44:31 AM)
27	18	1.0	1428.0	Yes	5500.0MHz, -66.0dBm	Single burst (05/06/2011 08:44:38 AM)
28	18	1.0	1428.0	Yes	5495.0MHz, -66.0dBm	Single burst (05/06/2011 08:44:46 AM)
29	18	1.0	1428.0	Yes	5505.0MHz, -66.0dBm	Single burst (05/06/2011 08:44:53 AM)
30	18	1.0	1428.0	Yes	5500.0MHz, -66.0dBm	Single burst (05/06/2011 08:45:01 AM)

Table 9 - Summary Of All Radar Types - 20MHz (Conducted Method)				
Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	90.0 %	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	97.5 %	80.0 %	120	Pass
Long Sequence	86.7 %	80.0 %	30	Passed
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	42	PASSED

Table 10 - FCC Short Pulse Radar (Type 1) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:47:20 AM)
2	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:47:29 AM)
3	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:47:38 AM)
4	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:47:47 AM)
5	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:47:56 AM)
6	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:48:04 AM)
7	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:48:12 AM)
8	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:48:20 AM)
9	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:49:17 AM)
10	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:49:26 AM)
11	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:49:34 AM)
12	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:49:42 AM)
13	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:49:50 AM)
14	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:49:58 AM)
15	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:50:06 AM)
16	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:50:15 AM)
17	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:50:23 AM)
18	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:50:36 AM)
19	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:50:50 AM)
20	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:51:11 AM)

Table 10 - FCC Short Pulse Radar (Type 1) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
21	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:51:26 AM)
22	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:51:40 AM)
23	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:51:53 AM)
24	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:52:05 AM)
25	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:52:23 AM)
26	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:52:42 AM)
27	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:52:54 AM)
28	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:53:11 AM)
29	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:53:24 AM)
30	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:53:34 AM)

Table 11 - FCC Short Pulse Radar (Type 2) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	27	3.1	180.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:54:31 AM)
2	25	4.0	193.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:54:53 AM)
3	24	2.7	210.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:55:06 AM)
4	25	1.1	223.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:55:24 AM)
5	26	1.1	204.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:55:35 AM)
6	26	3.0	167.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:55:54 AM)
7	27	2.8	197.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:56:09 AM)
8	23	2.6	171.0	No	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:56:18 AM)
9	26	3.4	196.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:56:33 AM)
10	28	3.1	159.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:56:43 AM)
11	29	2.6	200.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:56:54 AM)
12	25	2.1	193.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:57:01 AM)
13	25	4.4	161.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:57:10 AM)
14	27	2.9	216.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:57:18 AM)

Table 11 - FCC Short Pulse Radar (Type 2) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
15	24	2.1	174.0	No	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:57:26 AM)
16	29	2.5	188.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:57:38 AM)
17	25	1.6	222.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:57:48 AM)
18	28	2.2	201.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:57:57 AM)
19	28	4.7	186.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:58:05 AM)
20	28	3.0	192.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:58:13 AM)
21	28	1.9	229.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:58:22 AM)
22	26	1.2	182.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:58:30 AM)
23	28	1.2	199.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:58:41 AM)
24	25	1.8	195.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:59:15 AM)
25	26	4.9	212.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:59:22 AM)
26	28	3.2	214.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 09:59:32 AM)
27	29	1.6	191.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 09:59:43 AM)
28	24	4.1	208.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 09:59:54 AM)
29	27	4.8	155.0	No	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:00:02 AM)
30	25	1.8	210.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:00:16 AM)

Table 12 - FCC Short Pulse Radar (Type 3) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	6.5	345.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:00:42 AM)
2	16	9.1	296.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:00:51 AM)
3	18	9.2	430.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:01:00 AM)
4	17	7.0	244.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:01:12 AM)
5	16	6.7	241.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:01:23 AM)
6	16	7.3	487.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:01:39 AM)
7	17	6.6	440.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:01:51 AM)
8	17	6.6	474.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:02:01 AM)

Table 12 - FCC Short Pulse Radar (Type 3) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
9	17	8.8	392.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:02:10 AM)
10	18	6.9	262.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:02:18 AM)
11	17	8.9	315.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:02:27 AM)
12	17	7.9	396.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:02:35 AM)
13	17	9.2	394.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:02:49 AM)
14	18	7.6	322.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:02:58 AM)
15	17	9.1	210.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:03:06 AM)
16	18	8.9	348.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:03:14 AM)
17	17	8.1	488.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:03:24 AM)
18	17	6.5	441.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:03:33 AM)
19	18	8.0	488.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:03:40 AM)
20	18	9.8	384.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:03:50 AM)
21	18	6.8	270.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:04:00 AM)
22	17	9.7	465.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:04:10 AM)
23	17	6.9	343.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:04:20 AM)
24	18	6.3	314.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:04:31 AM)
25	16	7.5	216.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:04:39 AM)
26	18	8.2	311.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:04:48 AM)
27	17	9.3	263.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:04:57 AM)
28	17	7.3	262.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:05:07 AM)
29	17	6.4	465.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:05:17 AM)
30	17	6.5	247.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:05:26 AM)

Table 13 - FCC Short Pulse Radar (Type 4) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	13	14.3	279.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:05:57 AM)
2	13	15.6	214.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:06:09 AM)

Table 13 - FCC Short Pulse Radar (Type 4) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	14	11.0	313.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:06:18 AM)
4	14	15.3	411.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:06:26 AM)
5	14	13.5	206.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:06:37 AM)
6	16	14.0	200.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:06:45 AM)
7	13	11.0	477.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:06:56 AM)
8	13	12.6	358.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:07:06 AM)
9	12	16.4	237.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:07:14 AM)
10	15	12.1	348.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:07:22 AM)
11	14	13.7	467.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:07:30 AM)
12	13	11.4	308.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:07:39 AM)
13	15	19.7	268.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:07:47 AM)
14	13	14.0	319.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:07:54 AM)
15	13	17.5	401.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:08:02 AM)
16	13	18.8	343.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:08:10 AM)
17	15	14.9	384.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:08:19 AM)
18	15	15.8	356.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:08:27 AM)
19	14	12.9	316.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:08:36 AM)
20	15	18.4	260.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:08:43 AM)
21	13	11.8	315.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:08:51 AM)
22	13	14.1	251.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:08:59 AM)
23	15	18.4	408.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:09:07 AM)
24	14	17.1	394.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:09:15 AM)
25	13	11.5	317.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:09:24 AM)
26	14	15.4	478.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:09:33 AM)
27	13	14.4	229.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:09:41 AM)
28	16	13.9	413.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 10:09:52 AM)
29	13	17.5	322.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 10:10:02 AM)

Table 13 - FCC Short Pulse Radar (Type 4) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
30	13	16.2	334.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 10:10:14 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5509.0MHz, -69.0dBm	Hop sequence: 5433, 5481, 5292, 5370, 5510, 5335, 5329, 5600, 5437, 5702, 5453, 5647, 5471, 5344, 5379, 5548, 5678, 5456, 5652, 5688, 5697, 5642, 5327, 5361, 5713, 5475, 5448, 5367, 5490, 5441, 5288, 5283, 5498, 5558, 5552, 5507, 5517, 5417, 5500, 5574, 5479, 5634, 5304, 5346, 5695, 5524, 5643, 5565, 5359, 5468, 5494, 5463, 5711, 5432, 5386, 5330, 5676, 5263, 5404, 5264, 5523, 5326, 5398, 5722, 5659, 5545, 5480, 5423, 5502, 5610, 5550, 5362, 5372, 5461, 5410, 5334, 5541, 5515, 5651, 5452, 5699, 5595, 5592, 5385, 5485, 5354, 5300, 5654, 5573, 5286, 5467, 5458, 5627, 5622, 5581, 5325, 5293, 5664, 5262, 5719 (7 hits) (04/15/2011 11:04:38 AM)
2	9	1.0	333.0	Yes	5510.0MHz, -69.0dBm	Hop sequence: 5374, 5271, 5471, 5618, 5598, 5483, 5691, 5501, 5715, 5650, 5695, 5606, 5547, 5646, 5638, 5396, 5494, 5492, 5676, 5287, 5591, 5354, 5414, 5333, 5437, 5456, 5622, 5316, 5447, 5429, 5507, 5473, 5705, 5670, 5590, 5639, 5562, 5327, 5714, 5358, 5453, 5645, 5513, 5304, 5375, 5443, 5288, 5673, 5718, 5615, 5549, 5679, 5487, 5371, 5352, 5565, 5595, 5657, 5256, 5644, 5330, 5649, 5260, 5533, 5380, 5332, 5403, 5313, 5655, 5261, 5653, 5543, 5480, 5362, 5258, 5298, 5455, 5711, 5576, 5463, 5416, 5322, 5452, 5388, 5660, 5476, 5479, 5575, 5399, 5509, 5408, 5658, 5390, 5601, 5351, 5719, 5682, 5344, 5382, 5583 (5 hits) (04/15/2011 11:04:50 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5490.0MHz, -69.0dBm	Hop sequence: 5506, 5380, 5269, 5638, 5499, 5611, 5303, 5325, 5251, 5287, 5540, 5544, 5580, 5424, 5459, 5543, 5631, 5663, 5327, 5703, 5437, 5416, 5725, 5514, 5532, 5489, 5291, 5471, 5385, 5523, 5373, 5496, 5556, 5705, 5626, 5477, 5329, 5360, 5505, 5632, 5272, 5561, 5637, 5330, 5404, 5435, 5706, 5490, 5379, 5534, 5473, 5649, 5383, 5366, 5647, 5267, 5710, 5302, 5461, 5324, 5408, 5411, 5345, 5261, 5572, 5377, 5426, 5669, 5254, 5298, 5598, 5513, 5531, 5485, 5537, 5313, 5597, 5665, 5369, 5606, 5395, 5252, 5419, 5271, 5699, 5722, 5676, 5275, 5657, 5717, 5555, 5681, 5334, 5470, 5295, 5711, 5588, 5352, 5454, 5350 (5 hits) (04/15/2011 11:05:00 AM)
4	9	1.0	333.0	Yes	5491.0MHz, -69.0dBm	Hop sequence: 5332, 5603, 5394, 5602, 5466, 5403, 5413, 5317, 5461, 5497, 5294, 5352, 5484, 5319, 5564, 5328, 5588, 5395, 5680, 5627, 5537, 5510, 5613, 5375, 5596, 5667, 5490, 5511, 5702, 5342, 5650, 5570, 5348, 5549, 5499, 5629, 5618, 5475, 5454, 5419, 5329, 5288, 5712, 5465, 5697, 5261, 5432, 5619, 5720, 5428, 5460, 5668, 5260, 5255, 5265, 5640, 5695, 5658, 5567, 5397, 5531, 5292, 5295, 5415, 5333, 5366, 5423, 5387, 5628, 5612, 5539, 5367, 5597, 5620, 5290, 5482, 5282, 5307, 5665, 5642, 5536, 5272, 5430, 5289, 5459, 5661, 5476, 5279, 5391, 5350, 5540, 5538, 5374, 5435, 5535, 5676, 5577, 5467, 5377, 5633 (4 hits) (04/15/2011 11:05:08 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
5	9	1.0	333.0	Yes	5492.0MHz, -69.0dBm	Hop sequence: 5663, 5485, 5337, 5643, 5445, 5602, 5366, 5512, 5298, 5576, 5677, 5252, 5527, 5287, 5329, 5608, 5513, 5473, 5582, 5645, 5355, 5372, 5506, 5541, 5407, 5517, 5635, 5455, 5681, 5281, 5651, 5596, 5393, 5321, 5428, 5494, 5621, 5690, 5652, 5584, 5546, 5620, 5646, 5639, 5332, 5260, 5476, 5631, 5423, 5433, 5412, 5302, 5316, 5378, 5341, 5360, 5361, 5658, 5452, 5503, 5542, 5451, 5699, 5697, 5489, 5491, 5377, 5648, 5524, 5416, 5617, 5585, 5362, 5312, 5682, 5668, 5461, 5656, 5595, 5254, 5308, 5509, 5383, 5715, 5723, 5463, 5289, 5410, 5676, 5339, 5554, 5350, 5523, 5318, 5411, 5380, 5615, 5610, 5435, 5724 (5 hits) (04/15/2011 11:05:16 AM)
6	9	1.0	333.0	Yes	5493.0MHz, -69.0dBm	Hop sequence: 5347, 5708, 5662, 5398, 5341, 5417, 5568, 5458, 5452, 5502, 5413, 5489, 5432, 5556, 5269, 5574, 5500, 5647, 5593, 5485, 5698, 5280, 5519, 5313, 5446, 5511, 5650, 5471, 5715, 5467, 5327, 5374, 5316, 5482, 5302, 5523, 5695, 5587, 5638, 5265, 5512, 5472, 5524, 5656, 5687, 5581, 5629, 5329, 5585, 5595, 5392, 5619, 5669, 5591, 5348, 5389, 5358, 5284, 5712, 5396, 5615, 5254, 5461, 5289, 5293, 5368, 5699, 5319, 5424, 5645, 5688, 5337, 5308, 5463, 5509, 5594, 5257, 5636, 5299, 5707, 5318, 5435, 5565, 5683, 5588, 5516, 5573, 5477, 5366, 5555, 5450, 5444, 5709, 5627, 5654, 5273, 5640, 5531, 5326, 5533 (3 hits) (04/15/2011 11:05:23 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
7	9	1.0	333.0	Yes	5494.0MHz, -69.0dBm	Hop sequence: 5517, 5600, 5416, 5407, 5588, 5558, 5298, 5255, 5393, 5621, 5311, 5665, 5657, 5335, 5634, 5280, 5520, 5302, 5501, 5492, 5667, 5369, 5391, 5694, 5264, 5429, 5648, 5363, 5541, 5252, 5433, 5480, 5647, 5543, 5566, 5671, 5645, 5431, 5411, 5364, 5652, 5475, 5469, 5515, 5258, 5692, 5709, 5314, 5612, 5288, 5321, 5329, 5574, 5644, 5360, 5650, 5323, 5708, 5441, 5296, 5425, 5452, 5508, 5633, 5494, 5277, 5457, 5601, 5499, 5693, 5453, 5387, 5639, 5400, 5637, 5609, 5339, 5685, 5442, 5370, 5426, 5483, 5324, 5482, 5415, 5292, 5584, 5589, 5615, 5607, 5712, 5263, 5304, 5326, 5379, 5283, 5572, 5459, 5557, 5275 (5 hits) (04/15/2011 11:05:31 AM)
8	9	1.0	333.0	Yes	5495.0MHz, -69.0dBm	Hop sequence: 5579, 5288, 5537, 5714, 5542, 5422, 5555, 5489, 5318, 5521, 5716, 5368, 5516, 5576, 5498, 5504, 5595, 5465, 5464, 5350, 5608, 5447, 5259, 5624, 5342, 5357, 5373, 5412, 5323, 5697, 5272, 5597, 5474, 5254, 5399, 5327, 5587, 5718, 5410, 5574, 5290, 5271, 5391, 5533, 5694, 5469, 5443, 5262, 5406, 5601, 5674, 5436, 5625, 5635, 5451, 5652, 5585, 5529, 5381, 5686, 5560, 5567, 5450, 5395, 5305, 5379, 5677, 5703, 5280, 5641, 5281, 5445, 5435, 5414, 5479, 5494, 5440, 5317, 5520, 5267, 5672, 5661, 5372, 5522, 5640, 5448, 5573, 5265, 5366, 5324, 5276, 5680, 5583, 5480, 5405, 5274, 5361, 5310, 5250, 5662 (3 hits) (04/15/2011 11:05:39 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
9	9	1.0	333.0	Yes	5496.0MHz, -69.0dBm	Hop sequence: 5414, 5427, 5265, 5680, 5523, 5324, 5638, 5421, 5543, 5634, 5371, 5552, 5347, 5491, 5489, 5323, 5293, 5284, 5703, 5257, 5535, 5259, 5580, 5674, 5690, 5462, 5362, 5338, 5416, 5595, 5495, 5315, 5459, 5555, 5635, 5490, 5494, 5682, 5286, 5583, 5594, 5282, 5724, 5351, 5622, 5311, 5619, 5359, 5718, 5542, 5357, 5487, 5713, 5415, 5508, 5666, 5636, 5529, 5289, 5424, 5612, 5364, 5278, 5532, 5463, 5584, 5478, 5514, 5412, 5292, 5530, 5375, 5304, 5592, 5640, 5285, 5483, 5397, 5698, 5678, 5668, 5310, 5472, 5573, 5538, 5677, 5449, 5588, 5563, 5453, 5428, 5297, 5684, 5654, 5272, 5676, 5576, 5663, 5504, 5473 (6 hits) (04/15/2011 11:05:49 AM)
10	9	1.0	333.0	Yes	5497.0MHz, -69.0dBm	Hop sequence: 5426, 5583, 5319, 5279, 5525, 5622, 5663, 5371, 5397, 5278, 5259, 5337, 5502, 5427, 5336, 5418, 5480, 5381, 5311, 5364, 5501, 5654, 5341, 5533, 5256, 5367, 5307, 5357, 5674, 5645, 5457, 5268, 5573, 5377, 5551, 5467, 5679, 5255, 5610, 5326, 5275, 5496, 5297, 5451, 5465, 5348, 5286, 5449, 5425, 5542, 5368, 5421, 5386, 5385, 5646, 5586, 5366, 5601, 5558, 5404, 5678, 5393, 5310, 5575, 5722, 5631, 5260, 5332, 5640, 5676, 5509, 5447, 5493, 5428, 5701, 5684, 5359, 5475, 5664, 5608, 5669, 5424, 5683, 5438, 5720, 5464, 5384, 5596, 5687, 5462, 5582, 5630, 5395, 5706, 5441, 5628, 5460, 5489, 5603, 5700 (5 hits) (04/15/2011 11:06:01 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
11	9	1.0	333.0	Yes	5498.0MHz, -69.0dBm	Hop sequence: 5271, 5599, 5372, 5565, 5318, 5458, 5715, 5577, 5359, 5720, 5328, 5528, 5480, 5295, 5454, 5602, 5325, 5641, 5270, 5253, 5338, 5714, 5288, 5411, 5463, 5485, 5690, 5303, 5609, 5525, 5482, 5540, 5590, 5682, 5300, 5435, 5680, 5587, 5555, 5337, 5576, 5302, 5317, 5592, 5617, 5534, 5301, 5273, 5470, 5339, 5554, 5261, 5721, 5469, 5404, 5623, 5660, 5510, 5442, 5711, 5417, 5434, 5579, 5408, 5263, 5638, 5557, 5324, 5258, 5542, 5342, 5524, 5355, 5679, 5655, 5725, 5467, 5350, 5316, 5523, 5580, 5423, 5707, 5366, 5703, 5677, 5379, 5369, 5591, 5336, 5661, 5367, 5517, 5566, 5710, 5569, 5684, 5484, 5500, 5620 (2 hits) (04/15/2011 11:06:09 AM)
12	9	1.0	333.0	Yes	5499.0MHz, -69.0dBm	Hop sequence: 5257, 5621, 5362, 5269, 5353, 5414, 5639, 5594, 5597, 5640, 5340, 5628, 5691, 5641, 5400, 5422, 5348, 5364, 5347, 5413, 5721, 5709, 5528, 5382, 5435, 5307, 5390, 5490, 5298, 5692, 5437, 5346, 5553, 5495, 5446, 5513, 5337, 5658, 5474, 5450, 5663, 5345, 5326, 5357, 5531, 5268, 5577, 5263, 5282, 5456, 5615, 5394, 5555, 5703, 5494, 5715, 5324, 5702, 5445, 5544, 5304, 5585, 5514, 5262, 5552, 5506, 5633, 5522, 5438, 5647, 5451, 5667, 5517, 5583, 5530, 5678, 5457, 5563, 5277, 5309, 5267, 5395, 5674, 5592, 5488, 5581, 5634, 5591, 5610, 5389, 5635, 5492, 5637, 5336, 5373, 5255, 5355, 5688, 5464, 5546 (5 hits) (04/15/2011 11:06:19 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5500.0MHz, -69.0dBm	Hop sequence: 5289, 5339, 5610, 5444, 5520, 5535, 5432, 5556, 5678, 5542, 5402, 5604, 5384, 5425, 5252, 5609, 5526, 5543, 5263, 5361, 5470, 5377, 5407, 5679, 5416, 5725, 5359, 5504, 5582, 5386, 5719, 5555, 5403, 5578, 5718, 5619, 5516, 5648, 5345, 5374, 5439, 5513, 5668, 5599, 5645, 5545, 5617, 5695, 5666, 5627, 5558, 5465, 5391, 5723, 5270, 5687, 5266, 5396, 5479, 5290, 5457, 5640, 5600, 5655, 5480, 5256, 5455, 5251, 5677, 5585, 5517, 5717, 5278, 5658, 5364, 5664, 5554, 5508, 5395, 5500, 5701, 5478, 5700, 5283, 5428, 5398, 5404, 5675, 5589, 5544, 5715, 5437, 5414, 5572, 5693, 5413, 5519, 5261, 5586, 5497 (4 hits) (04/15/2011 11:06:31 AM)
14	9	1.0	333.0	Yes	5501.0MHz, -69.0dBm	Hop sequence: 5577, 5433, 5309, 5660, 5602, 5586, 5354, 5545, 5456, 5284, 5303, 5399, 5673, 5293, 5672, 5572, 5615, 5261, 5671, 5520, 5519, 5481, 5541, 5252, 5580, 5341, 5467, 5423, 5326, 5329, 5693, 5562, 5489, 5706, 5620, 5655, 5471, 5540, 5410, 5504, 5398, 5641, 5334, 5680, 5438, 5676, 5435, 5582, 5524, 5565, 5384, 5538, 5358, 5546, 5335, 5695, 5495, 5451, 5304, 5459, 5561, 5402, 5469, 5716, 5656, 5355, 5585, 5593, 5624, 5424, 5592, 5523, 5488, 5724, 5529, 5507, 5455, 5362, 5286, 5416, 5417, 5621, 5685, 5537, 5521, 5429, 5522, 5374, 5312, 5511, 5349, 5691, 5723, 5631, 5688, 5333, 5382, 5722, 5370, 5634 (3 hits) (04/15/2011 11:06:38 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
15	9	1.0	333.0	Yes	5502.0MHz, -69.0dBm	Hop sequence: 5489, 5268, 5560, 5481, 5546, 5602, 5663, 5314, 5558, 5409, 5364, 5262, 5354, 5391, 5621, 5639, 5545, 5552, 5271, 5312, 5530, 5597, 5458, 5367, 5630, 5508, 5487, 5595, 5693, 5695, 5269, 5707, 5569, 5705, 5629, 5506, 5714, 5388, 5551, 5666, 5319, 5522, 5535, 5392, 5276, 5521, 5469, 5494, 5471, 5406, 5371, 5676, 5289, 5255, 5484, 5404, 5563, 5565, 5708, 5369, 5382, 5279, 5511, 5619, 5536, 5254, 5681, 5649, 5638, 5540, 5512, 5585, 5345, 5341, 5501, 5505, 5584, 5421, 5643, 5594, 5290, 5318, 5475, 5344, 5324, 5623, 5346, 5599, 5431, 5673, 5529, 5647, 5548, 5709, 5449, 5559, 5323, 5674, 5618, 5713 (5 hits) (04/15/2011 11:06:47 AM)
16	9	1.0	333.0	Yes	5503.0MHz, -69.0dBm	Hop sequence: 5291, 5484, 5437, 5500, 5599, 5383, 5307, 5462, 5456, 5364, 5602, 5631, 5521, 5313, 5691, 5323, 5298, 5679, 5499, 5348, 5698, 5374, 5581, 5670, 5531, 5341, 5300, 5381, 5359, 5279, 5590, 5402, 5361, 5541, 5273, 5409, 5488, 5464, 5610, 5378, 5643, 5597, 5523, 5332, 5325, 5478, 5329, 5636, 5396, 5339, 5627, 5491, 5384, 5675, 5604, 5706, 5544, 5453, 5424, 5352, 5662, 5270, 5435, 5340, 5505, 5644, 5252, 5720, 5459, 5725, 5326, 5647, 5642, 5705, 5690, 5469, 5389, 5724, 5543, 5354, 5617, 5416, 5650, 5358, 5560, 5587, 5481, 5275, 5375, 5321, 5308, 5577, 5509, 5653, 5571, 5611, 5570, 5309, 5394, 5511 (5 hits) (04/15/2011 11:06:55 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
17	9	1.0	333.0	Yes	5504.0MHz, -69.0dBm	Hop sequence: 5391, 5715, 5720, 5454, 5298, 5535, 5304, 5345, 5258, 5453, 5604, 5513, 5428, 5672, 5302, 5700, 5597, 5269, 5587, 5681, 5451, 5256, 5570, 5411, 5677, 5651, 5629, 5479, 5339, 5623, 5459, 5654, 5614, 5418, 5653, 5416, 5452, 5571, 5611, 5357, 5296, 5477, 5702, 5544, 5652, 5262, 5670, 5395, 5293, 5485, 5605, 5695, 5278, 5686, 5685, 5274, 5266, 5609, 5511, 5682, 5687, 5405, 5707, 5329, 5527, 5694, 5519, 5342, 5636, 5661, 5287, 5630, 5708, 5619, 5381, 5525, 5294, 5398, 5406, 5643, 5408, 5530, 5562, 5464, 5443, 5594, 5703, 5284, 5327, 5660, 5662, 5354, 5573, 5359, 5622, 5478, 5420, 5375, 5387, 5505 (1 hits) (04/15/2011 11:07:03 AM)
18	9	1.0	333.0	Yes	5505.0MHz, -69.0dBm	Hop sequence: 5368, 5380, 5530, 5259, 5492, 5563, 5561, 5404, 5696, 5670, 5554, 5713, 5649, 5677, 5688, 5340, 5639, 5671, 5558, 5337, 5619, 5527, 5507, 5279, 5607, 5723, 5644, 5693, 5389, 5540, 5601, 5349, 5376, 5557, 5474, 5505, 5548, 5490, 5577, 5700, 5366, 5312, 5609, 5302, 5519, 5326, 5717, 5592, 5351, 5707, 5478, 5582, 5641, 5328, 5427, 5658, 5398, 5271, 5364, 5360, 5402, 5533, 5327, 5286, 5358, 5610, 5499, 5708, 5381, 5280, 5709, 5414, 5529, 5257, 5520, 5365, 5399, 5426, 5318, 5566, 5612, 5616, 5500, 5711, 5285, 5283, 5503, 5411, 5504, 5640, 5464, 5258, 5695, 5329, 5662, 5319, 5506, 5394, 5278, 5667 (9 hits) (04/15/2011 11:07:13 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
19	9	1.0	333.0	Yes	5506.0MHz, -69.0dBm	Hop sequence: 5575, 5556, 5469, 5425, 5534, 5439, 5320, 5634, 5327, 5530, 5538, 5300, 5528, 5292, 5476, 5301, 5606, 5427, 5378, 5274, 5560, 5255, 5289, 5447, 5458, 5269, 5359, 5256, 5536, 5557, 5395, 5464, 5381, 5523, 5383, 5460, 5611, 5687, 5668, 5438, 5627, 5550, 5484, 5659, 5287, 5373, 5277, 5322, 5263, 5711, 5623, 5448, 5522, 5388, 5459, 5531, 5421, 5688, 5368, 5449, 5521, 5631, 5496, 5328, 5665, 5646, 5397, 5520, 5431, 5713, 5492, 5272, 5403, 5471, 5344, 5616, 5353, 5671, 5506, 5349, 5445, 5658, 5394, 5605, 5509, 5314, 5672, 5508, 5341, 5705, 5406, 5428, 5524, 5693, 5408, 5579, 5441, 5264, 5576, 5295 (5 hits) (04/15/2011 11:07:21 AM)
20	9	1.0	333.0	Yes	5507.0MHz, -69.0dBm	Hop sequence: 5709, 5485, 5340, 5453, 5294, 5640, 5560, 5416, 5310, 5268, 5315, 5328, 5330, 5590, 5692, 5339, 5289, 5442, 5689, 5405, 5397, 5519, 5675, 5450, 5510, 5651, 5258, 5270, 5672, 5254, 5581, 5325, 5474, 5354, 5366, 5580, 5348, 5703, 5409, 5482, 5392, 5455, 5691, 5545, 5706, 5288, 5592, 5680, 5631, 5369, 5542, 5500, 5360, 5267, 5377, 5345, 5652, 5598, 5403, 5361, 5701, 5629, 5477, 5454, 5394, 5467, 5412, 5623, 5630, 5486, 5562, 5501, 5565, 5420, 5492, 5263, 5683, 5261, 5662, 5475, 5547, 5374, 5700, 5418, 5495, 5513, 5521, 5379, 5266, 5298, 5526, 5646, 5603, 5543, 5678, 5548, 5497, 5723, 5536, 5722 (6 hits) (04/15/2011 11:07:30 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
21	9	1.0	333.0	Yes	5508.0MHz, -69.0dBm	Hop sequence: 5565, 5723, 5251, 5662, 5601, 5476, 5383, 5366, 5398, 5474, 5679, 5432, 5459, 5438, 5409, 5355, 5254, 5561, 5570, 5681, 5707, 5527, 5359, 5334, 5325, 5477, 5435, 5256, 5611, 5710, 5417, 5604, 5389, 5335, 5278, 5718, 5559, 5392, 5692, 5680, 5715, 5440, 5331, 5304, 5502, 5329, 5633, 5292, 5420, 5709, 5508, 5276, 5632, 5319, 5652, 5696, 5538, 5377, 5322, 5308, 5712, 5653, 5602, 5378, 5497, 5656, 5574, 5721, 5642, 5491, 5510, 5555, 5482, 5699, 5554, 5473, 5563, 5385, 5273, 5598, 5405, 5584, 5535, 5516, 5541, 5714, 5676, 5617, 5589, 5688, 5657, 5514, 5705, 5373, 5573, 5650, 5654, 5479, 5506, 5577 (6 hits) (04/15/2011 11:07:38 AM)
22	9	1.0	333.0	Yes	5509.0MHz, -69.0dBm	Hop sequence: 5371, 5268, 5386, 5589, 5530, 5592, 5398, 5358, 5336, 5528, 5412, 5313, 5311, 5282, 5279, 5483, 5706, 5257, 5464, 5507, 5608, 5498, 5317, 5480, 5259, 5288, 5291, 5656, 5612, 5568, 5628, 5517, 5405, 5408, 5323, 5276, 5418, 5724, 5607, 5567, 5640, 5654, 5691, 5438, 5562, 5347, 5359, 5403, 5574, 5322, 5525, 5383, 5610, 5565, 5493, 5370, 5657, 5551, 5433, 5341, 5339, 5682, 5342, 5659, 5726, 5635, 5681, 5521, 5430, 5598, 5505, 5513, 5658, 5618, 5344, 5251, 5675, 5400, 5263, 5335, 5497, 5519, 5331, 5284, 5366, 5561, 5494, 5354, 5518, 5459, 5431, 5579, 5708, 5532, 5300, 5555, 5643, 5451, 5663, 5295 (6 hits) (04/15/2011 11:07:47 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5510.0MHz, -69.0dBm	Hop sequence: 5539, 5330, 5259, 5431, 5610, 5272, 5485, 5715, 5406, 5440, 5327, 5561, 5709, 5434, 5305, 5542, 5661, 5500, 5676, 5481, 5631, 5486, 5614, 5484, 5502, 5567, 5475, 5652, 5389, 5557, 5559, 5451, 5541, 5292, 5717, 5307, 5333, 5695, 5360, 5393, 5448, 5711, 5370, 5300, 5355, 5282, 5673, 5585, 5489, 5519, 5338, 5603, 5613, 5457, 5342, 5721, 5712, 5309, 5503, 5432, 5257, 5668, 5433, 5335, 5402, 5693, 5446, 5264, 5452, 5681, 5349, 5423, 5284, 5710, 5521, 5719, 5686, 5501, 5466, 5656, 5281, 5285, 5705, 5462, 5685, 5351, 5644, 5725, 5507, 5290, 5533, 5682, 5704, 5463, 5665, 5532, 5476, 5549, 5618, 5515 (5 hits) (04/15/2011 11:07:55 AM)
24	9	1.0	333.0	Yes	5490.0MHz, -69.0dBm	Hop sequence: 5267, 5661, 5616, 5285, 5327, 5451, 5657, 5595, 5554, 5569, 5560, 5562, 5413, 5703, 5398, 5275, 5373, 5341, 5254, 5314, 5721, 5312, 5587, 5293, 5652, 5400, 5551, 5637, 5412, 5460, 5705, 5313, 5349, 5366, 5444, 5547, 5667, 5469, 5486, 5610, 5613, 5527, 5709, 5467, 5356, 5415, 5482, 5612, 5272, 5685, 5623, 5427, 5617, 5558, 5397, 5492, 5384, 5433, 5376, 5283, 5649, 5262, 5494, 5432, 5634, 5520, 5591, 5632, 5608, 5546, 5541, 5693, 5307, 5607, 5268, 5512, 5650, 5606, 5361, 5309, 5538, 5516, 5662, 5678, 5496, 5620, 5287, 5707, 5574, 5429, 5418, 5387, 5326, 5564, 5385, 5408, 5362, 5655, 5579, 5507 (4 hits) (04/15/2011 11:08:03 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
25	9	1.0	333.0	Yes	5491.0MHz, -69.0dBm	Hop sequence: 5628, 5407, 5552, 5711, 5698, 5668, 5719, 5645, 5536, 5679, 5581, 5350, 5620, 5387, 5462, 5444, 5302, 5328, 5618, 5697, 5360, 5279, 5717, 5280, 5706, 5611, 5318, 5345, 5449, 5382, 5627, 5351, 5474, 5677, 5340, 5722, 5617, 5530, 5577, 5567, 5263, 5304, 5354, 5664, 5376, 5605, 5576, 5262, 5379, 5260, 5465, 5451, 5681, 5349, 5660, 5333, 5252, 5405, 5499, 5575, 5563, 5316, 5298, 5648, 5535, 5625, 5694, 5423, 5292, 5342, 5544, 5687, 5725, 5511, 5683, 5495, 5672, 5597, 5471, 5433, 5615, 5461, 5418, 5491, 5543, 5675, 5659, 5570, 5646, 5673, 5578, 5561, 5374, 5493, 5559, 5715, 5621, 5566, 5267, 5297 (4 hits) (04/15/2011 11:08:17 AM)
26	9	1.0	333.0	Yes	5492.0MHz, -69.0dBm	Hop sequence: 5253, 5416, 5263, 5614, 5551, 5495, 5572, 5630, 5441, 5293, 5718, 5465, 5368, 5477, 5629, 5707, 5399, 5676, 5328, 5460, 5631, 5383, 5359, 5374, 5444, 5260, 5391, 5476, 5470, 5722, 5447, 5570, 5316, 5409, 5410, 5648, 5639, 5526, 5408, 5269, 5426, 5278, 5261, 5332, 5545, 5303, 5556, 5636, 5347, 5285, 5537, 5542, 5467, 5386, 5338, 5563, 5485, 5510, 5662, 5438, 5434, 5483, 5283, 5375, 5664, 5480, 5623, 5471, 5548, 5491, 5309, 5703, 5345, 5427, 5642, 5522, 5626, 5632, 5603, 5686, 5538, 5407, 5298, 5618, 5446, 5277, 5273, 5487, 5644, 5701, 5584, 5620, 5613, 5595, 5724, 5421, 5473, 5317, 5496, 5650 (4 hits) (04/15/2011 11:08:30 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
27	9	1.0	333.0	Yes	5493.0MHz, -69.0dBm	Hop sequence: 5558, 5358, 5301, 5719, 5395, 5258, 5514, 5352, 5515, 5725, 5445, 5523, 5389, 5723, 5665, 5570, 5603, 5655, 5657, 5694, 5322, 5429, 5563, 5324, 5509, 5385, 5465, 5581, 5564, 5316, 5507, 5647, 5345, 5287, 5317, 5627, 5537, 5362, 5436, 5353, 5383, 5650, 5483, 5722, 5547, 5425, 5709, 5511, 5556, 5294, 5584, 5450, 5423, 5371, 5417, 5427, 5671, 5718, 5648, 5432, 5254, 5464, 5651, 5326, 5384, 5448, 5531, 5551, 5286, 5393, 5614, 5337, 5297, 5272, 5487, 5342, 5475, 5530, 5390, 5303, 5573, 5674, 5443, 5323, 5341, 5398, 5386, 5675, 5660, 5645, 5583, 5332, 5472, 5691, 5266, 5430, 5527, 5536, 5519, 5407 (2 hits) (04/15/2011 11:08:42 AM)
28	9	1.0	333.0	Yes	5494.0MHz, -69.0dBm	Hop sequence: 5474, 5524, 5373, 5637, 5282, 5623, 5302, 5256, 5399, 5640, 5473, 5676, 5627, 5360, 5510, 5382, 5596, 5387, 5573, 5351, 5410, 5634, 5251, 5714, 5598, 5589, 5671, 5500, 5465, 5702, 5279, 5398, 5649, 5281, 5548, 5314, 5467, 5601, 5463, 5723, 5405, 5658, 5487, 5506, 5259, 5293, 5448, 5388, 5276, 5394, 5670, 5330, 5481, 5680, 5298, 5648, 5346, 5655, 5553, 5413, 5662, 5357, 5344, 5591, 5547, 5672, 5563, 5265, 5677, 5607, 5526, 5679, 5472, 5381, 5495, 5570, 5586, 5471, 5709, 5673, 5549, 5367, 5372, 5560, 5267, 5421, 5345, 5333, 5417, 5605, 5289, 5597, 5503, 5582, 5693, 5704, 5451, 5292, 5558, 5278 (5 hits) (04/15/2011 11:08:52 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
29	9	1.0	333.0	Yes	5495.0MHz, -69.0dBm	Hop sequence: 5590, 5447, 5515, 5681, 5531, 5641, 5427, 5395, 5714, 5654, 5445, 5372, 5545, 5592, 5437, 5458, 5410, 5547, 5305, 5675, 5602, 5606, 5568, 5329, 5468, 5454, 5328, 5311, 5694, 5550, 5679, 5284, 5323, 5434, 5644, 5478, 5509, 5548, 5438, 5459, 5339, 5539, 5652, 5327, 5490, 5457, 5312, 5345, 5426, 5666, 5413, 5582, 5286, 5275, 5692, 5342, 5475, 5470, 5257, 5310, 5409, 5498, 5442, 5383, 5705, 5529, 5363, 5453, 5430, 5421, 5690, 5325, 5301, 5637, 5379, 5371, 5390, 5333, 5432, 5380, 5599, 5295, 5338, 5274, 5314, 5398, 5526, 5370, 5647, 5307, 5474, 5683, 5326, 5686, 5309, 5352, 5500, 5628, 5481, 5451 (4 hits) (04/15/2011 11:09:01 AM)
30	9	1.0	333.0	Yes	5496.0MHz, -69.0dBm	Hop sequence: 5667, 5276, 5571, 5293, 5469, 5309, 5479, 5522, 5415, 5676, 5347, 5268, 5306, 5386, 5297, 5643, 5389, 5395, 5618, 5361, 5610, 5385, 5625, 5663, 5693, 5526, 5372, 5583, 5597, 5648, 5622, 5474, 5274, 5626, 5310, 5444, 5352, 5427, 5418, 5725, 5264, 5543, 5633, 5416, 5500, 5661, 5459, 5593, 5638, 5632, 5387, 5659, 5419, 5287, 5673, 5654, 5432, 5711, 5374, 5535, 5284, 5414, 5267, 5709, 5335, 5539, 5411, 5674, 5529, 5472, 5318, 5671, 5558, 5275, 5531, 5630, 5357, 5724, 5705, 5446, 5296, 5511, 5666, 5381, 5392, 5502, 5601, 5359, 5541, 5689, 5398, 5495, 5393, 5576, 5262, 5668, 5697, 5314, 5545, 5656 (3 hits) (04/15/2011 11:09:10 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
31	9	1.0	333.0	Yes	5497.0MHz, -69.0dBm	Hop sequence: 5505, 5593, 5517, 5445, 5363, 5572, 5536, 5405, 5567, 5708, 5665, 5386, 5541, 5385, 5653, 5650, 5495, 5599, 5673, 5378, 5631, 5261, 5583, 5297, 5270, 5435, 5592, 5580, 5535, 5335, 5545, 5519, 5697, 5502, 5438, 5684, 5588, 5296, 5409, 5560, 5446, 5679, 5444, 5485, 5559, 5294, 5427, 5342, 5491, 5585, 5306, 5391, 5539, 5362, 5671, 5258, 5320, 5383, 5432, 5590, 5486, 5309, 5523, 5562, 5338, 5292, 5509, 5660, 5596, 5537, 5693, 5680, 5605, 5601, 5594, 5716, 5645, 5635, 5700, 5550, 5623, 5333, 5456, 5271, 5607, 5712, 5504, 5704, 5371, 5329, 5657, 5471, 5282, 5442, 5500, 5499, 5392, 5450, 5281, 5376 (8 hits) (04/15/2011 11:09:19 AM)
32	9	1.0	333.0	Yes	5498.0MHz, -69.0dBm	Hop sequence: 5424, 5269, 5450, 5397, 5484, 5372, 5713, 5322, 5720, 5288, 5667, 5443, 5622, 5347, 5626, 5430, 5723, 5644, 5612, 5561, 5418, 5333, 5311, 5681, 5446, 5306, 5647, 5451, 5696, 5689, 5542, 5665, 5680, 5523, 5717, 5465, 5614, 5585, 5574, 5363, 5273, 5548, 5282, 5334, 5309, 5286, 5340, 5519, 5568, 5526, 5595, 5263, 5460, 5438, 5404, 5278, 5441, 5629, 5608, 5398, 5579, 5597, 5610, 5700, 5391, 5504, 5330, 5655, 5462, 5664, 5337, 5472, 5591, 5513, 5706, 5507, 5307, 5531, 5360, 5577, 5651, 5564, 5293, 5264, 5320, 5262, 5384, 5541, 5370, 5377, 5342, 5485, 5408, 5343, 5425, 5321, 5252, 5328, 5395, 5625 (2 hits) (04/15/2011 11:09:27 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5499.0MHz, -69.0dBm	Hop sequence: 5307, 5405, 5650, 5573, 5359, 5710, 5408, 5571, 5257, 5646, 5477, 5485, 5344, 5596, 5566, 5259, 5644, 5552, 5512, 5377, 5539, 5657, 5275, 5487, 5279, 5558, 5725, 5439, 5639, 5653, 5585, 5546, 5391, 5402, 5396, 5492, 5349, 5348, 5302, 5355, 5714, 5374, 5595, 5648, 5357, 5572, 5591, 5689, 5505, 5342, 5321, 5534, 5410, 5623, 5318, 5590, 5339, 5703, 5428, 5314, 5413, 5642, 5483, 5502, 5656, 5599, 5404, 5696, 5673, 5693, 5343, 5478, 5666, 5436, 5251, 5568, 5554, 5313, 5675, 5465, 5361, 5463, 5316, 5262, 5640, 5388, 5345, 5417, 5612, 5557, 5466, 5553, 5474, 5616, 5449, 5261, 5459, 5303, 5451, 5319 (3 hits) (04/15/2011 11:09:34 AM)
34	9	1.0	333.0	Yes	5500.0MHz, -69.0dBm	Hop sequence: 5609, 5311, 5520, 5568, 5297, 5599, 5490, 5677, 5479, 5266, 5663, 5447, 5574, 5704, 5309, 5384, 5694, 5485, 5387, 5717, 5560, 5402, 5488, 5613, 5395, 5588, 5545, 5546, 5392, 5565, 5523, 5625, 5453, 5703, 5346, 5330, 5598, 5493, 5380, 5328, 5531, 5705, 5403, 5551, 5664, 5313, 5668, 5513, 5678, 5641, 5683, 5699, 5446, 5499, 5401, 5277, 5618, 5289, 5449, 5397, 5265, 5375, 5645, 5491, 5642, 5657, 5440, 5367, 5459, 5478, 5522, 5719, 5518, 5564, 5700, 5697, 5552, 5702, 5475, 5353, 5356, 5556, 5286, 5684, 5698, 5648, 5502, 5296, 5603, 5690, 5623, 5414, 5555, 5280, 5337, 5620, 5388, 5503, 5466, 5630 (6 hits) (04/15/2011 11:09:42 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
35	9	1.0	333.0	Yes	5501.0MHz, -69.0dBm	Hop sequence: 5254, 5640, 5460, 5381, 5389, 5632, 5367, 5694, 5541, 5387, 5297, 5649, 5449, 5330, 5511, 5462, 5466, 5643, 5256, 5259, 5470, 5348, 5638, 5266, 5342, 5636, 5578, 5454, 5481, 5260, 5706, 5258, 5645, 5585, 5282, 5523, 5410, 5664, 5261, 5629, 5502, 5322, 5339, 5468, 5550, 5533, 5439, 5689, 5479, 5573, 5377, 5371, 5680, 5563, 5340, 5584, 5401, 5263, 5388, 5666, 5343, 5285, 5652, 5443, 5445, 5492, 5435, 5612, 5613, 5545, 5697, 5721, 5300, 5581, 5605, 5552, 5351, 5557, 5624, 5512, 5509, 5637, 5472, 5528, 5703, 5255, 5262, 5283, 5411, 5341, 5409, 5471, 5430, 5693, 5426, 5303, 5463, 5594, 5705, 5601 (3 hits) (04/15/2011 11:09:51 AM)
36	9	1.0	333.0	Yes	5502.0MHz, -69.0dBm	Hop sequence: 5369, 5355, 5708, 5454, 5716, 5626, 5589, 5358, 5443, 5499, 5572, 5426, 5348, 5599, 5678, 5520, 5531, 5516, 5446, 5325, 5296, 5603, 5463, 5547, 5469, 5291, 5534, 5507, 5535, 5677, 5497, 5309, 5328, 5321, 5706, 5260, 5637, 5290, 5408, 5666, 5305, 5293, 5681, 5631, 5308, 5556, 5301, 5541, 5697, 5682, 5467, 5489, 5600, 5435, 5585, 5684, 5685, 5519, 5478, 5628, 5483, 5267, 5255, 5282, 5645, 5638, 5320, 5324, 5303, 5554, 5533, 5327, 5284, 5387, 5427, 5491, 5660, 5705, 5356, 5574, 5696, 5422, 5307, 5400, 5671, 5654, 5292, 5414, 5614, 5281, 5648, 5353, 5298, 5476, 5504, 5359, 5420, 5416, 5424, 5676 (5 hits) (04/15/2011 11:09:59 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
37	9	1.0	333.0	Yes	5503.0MHz, -69.0dBm	Hop sequence: 5400, 5565, 5417, 5323, 5299, 5681, 5574, 5510, 5278, 5405, 5671, 5368, 5717, 5339, 5537, 5668, 5544, 5571, 5396, 5429, 5612, 5597, 5478, 5415, 5378, 5716, 5321, 5389, 5390, 5335, 5620, 5694, 5657, 5509, 5506, 5589, 5346, 5576, 5497, 5600, 5676, 5579, 5303, 5367, 5553, 5691, 5686, 5622, 5575, 5570, 5652, 5654, 5598, 5425, 5532, 5256, 5700, 5698, 5650, 5428, 5366, 5609, 5300, 5347, 5341, 5591, 5255, 5314, 5377, 5427, 5413, 5482, 5619, 5678, 5552, 5525, 5458, 5353, 5651, 5661, 5290, 5669, 5599, 5447, 5683, 5260, 5343, 5573, 5263, 5411, 5294, 5345, 5564, 5439, 5297, 5464, 5369, 5472, 5285, 5562 (4 hits) (04/15/2011 11:10:08 AM)
38	9	1.0	333.0	Yes	5504.0MHz, -69.0dBm	Hop sequence: 5500, 5578, 5506, 5705, 5661, 5355, 5361, 5252, 5563, 5410, 5255, 5642, 5549, 5570, 5347, 5266, 5568, 5329, 5302, 5502, 5692, 5691, 5637, 5569, 5617, 5510, 5264, 5333, 5582, 5601, 5620, 5379, 5538, 5567, 5435, 5290, 5588, 5275, 5260, 5654, 5348, 5404, 5512, 5668, 5591, 5385, 5450, 5449, 5633, 5533, 5285, 5368, 5497, 5581, 5263, 5639, 5501, 5351, 5375, 5486, 5537, 5555, 5346, 5558, 5304, 5445, 5593, 5634, 5485, 5663, 5662, 5483, 5400, 5664, 5543, 5505, 5550, 5658, 5458, 5544, 5303, 5586, 5284, 5491, 5352, 5699, 5439, 5359, 5599, 5319, 5340, 5336, 5317, 5334, 5686, 5296, 5253, 5440, 5587, 5350 (8 hits) (04/15/2011 11:10:18 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
39	9	1.0	333.0	Yes	5505.0MHz, -69.0dBm	Hop sequence: 5321, 5528, 5651, 5682, 5492, 5713, 5354, 5481, 5578, 5592, 5612, 5395, 5289, 5458, 5396, 5255, 5288, 5390, 5379, 5324, 5347, 5719, 5403, 5290, 5356, 5676, 5706, 5414, 5389, 5663, 5378, 5703, 5668, 5598, 5502, 5561, 5597, 5439, 5425, 5571, 5265, 5711, 5432, 5600, 5652, 5467, 5318, 5517, 5364, 5281, 5360, 5287, 5622, 5388, 5446, 5661, 5659, 5716, 5583, 5464, 5377, 5688, 5521, 5673, 5626, 5262, 5684, 5252, 5273, 5435, 5721, 5650, 5283, 5593, 5564, 5450, 5685, 5546, 5284, 5393, 5531, 5421, 5411, 5424, 5616, 5567, 5581, 5588, 5329, 5702, 5724, 5629, 5631, 5693, 5529, 5500, 5615, 5306, 5297, 5310 (3 hits) (04/15/2011 11:10:29 AM)
40	9	1.0	333.0	Yes	5506.0MHz, -69.0dBm	Hop sequence: 5436, 5409, 5679, 5675, 5552, 5306, 5418, 5267, 5520, 5686, 5559, 5253, 5440, 5458, 5400, 5554, 5715, 5455, 5539, 5725, 5278, 5299, 5693, 5286, 5702, 5685, 5449, 5527, 5289, 5497, 5346, 5564, 5628, 5401, 5355, 5365, 5464, 5452, 5356, 5433, 5352, 5507, 5724, 5705, 5484, 5374, 5645, 5351, 5412, 5353, 5536, 5708, 5429, 5504, 5341, 5317, 5588, 5503, 5646, 5262, 5635, 5542, 5601, 5607, 5284, 5377, 5509, 5496, 5532, 5626, 5700, 5402, 5664, 5270, 5465, 5546, 5568, 5442, 5640, 5502, 5276, 5383, 5518, 5431, 5644, 5665, 5550, 5252, 5331, 5574, 5593, 5283, 5589, 5461, 5625, 5594, 5596, 5698, 5417, 5624 (7 hits) (04/15/2011 11:10:37 AM)

Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
41	9	1.0	333.0	Yes	5507.0MHz, -69.0dBm	Hop sequence: 5302, 5544, 5327, 5723, 5695, 5401, 5459, 5566, 5252, 5600, 5329, 5360, 5376, 5588, 5470, 5444, 5482, 5253, 5483, 5403, 5347, 5477, 5609, 5266, 5378, 5554, 5286, 5626, 5404, 5574, 5674, 5691, 5572, 5573, 5504, 5558, 5419, 5427, 5418, 5473, 5326, 5273, 5359, 5373, 5330, 5450, 5601, 5265, 5559, 5442, 5624, 5399, 5257, 5638, 5487, 5651, 5515, 5724, 5562, 5361, 5468, 5496, 5627, 5685, 5697, 5384, 5256, 5332, 5631, 5390, 5647, 5634, 5298, 5675, 5356, 5717, 5716, 5324, 5622, 5460, 5439, 5328, 5290, 5680, 5710, 5522, 5424, 5568, 5278, 5321, 5293, 5648, 5661, 5526, 5474, 5696, 5472, 5387, 5351, 5364 (2 hits) (04/15/2011 11:21:05 AM)
42	9	1.0	333.0	Yes	5508.0MHz, -69.0dBm	Hop sequence: 5514, 5367, 5357, 5475, 5360, 5715, 5366, 5611, 5268, 5590, 5421, 5460, 5389, 5630, 5612, 5371, 5628, 5409, 5685, 5508, 5413, 5285, 5390, 5331, 5448, 5398, 5517, 5369, 5260, 5433, 5639, 5271, 5720, 5453, 5337, 5250, 5704, 5718, 5288, 5530, 5302, 5516, 5273, 5470, 5521, 5533, 5578, 5391, 5466, 5504, 5681, 5507, 5442, 5609, 5594, 5610, 5437, 5465, 5493, 5395, 5582, 5406, 5345, 5599, 5436, 5548, 5327, 5454, 5622, 5312, 5707, 5539, 5484, 5515, 5459, 5344, 5377, 5333, 5449, 5567, 5669, 5399, 5385, 5699, 5689, 5317, 5570, 5632, 5691, 5527, 5556, 5418, 5600, 5321, 5664, 5407, 5251, 5723, 5550, 5468 (4 hits) (04/15/2011 11:21:14 AM)

Table 15 - Long Sequence Waveform Summary 20MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5500.0MHz, -61.0dBm
Trial #2	Detected	5495.0MHz, -61.0dBm
Trial #3	Detected	5505.0MHz, -61.0dBm
Trial #4	Detected	5500.0MHz, -61.0dBm
Trial #5	Detected	5495.0MHz, -61.0dBm
Trial #6	NOT Detected	5505.0MHz, -61.0dBm
Trial #7	Detected	5500.0MHz, -61.0dBm
Trial #8	Detected	5495.0MHz, -61.0dBm
Trial #9	Detected	5505.0MHz, -61.0dBm
Trial #10	Detected	5500.0MHz, -61.0dBm
Trial #11	Detected	5495.0MHz, -61.0dBm
Trial #12	Detected	5505.0MHz, -61.0dBm
Trial #13	Detected	5500.0MHz, -61.0dBm
Trial #14	NOT Detected	5495.0MHz, -61.0dBm
Trial #15	Detected	5505.0MHz, -61.0dBm
Trial #16	Detected	5500.0MHz, -61.0dBm
Trial #17	Detected	5495.0MHz, -61.0dBm
Trial #18	Detected	5505.0MHz, -61.0dBm
Trial #19	Detected	5500.0MHz, -61.0dBm
Trial #20	NOT Detected	5495.0MHz, -61.0dBm
Trial #21	Detected	5505.0MHz, -61.0dBm
Trial #22	Detected	5500.0MHz, -61.0dBm
Trial #23	Detected	5495.0MHz, -61.0dBm
Trial #24	Detected	5505.0MHz, -61.0dBm
Trial #25	Detected	5500.0MHz, -61.0dBm
Trial #26	NOT Detected	5495.0MHz, -61.0dBm
Trial #27	Detected	5505.0MHz, -61.0dBm

Table 15 - Long Sequence Waveform Summary 20MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #28	Detected	5500.0MHz, -61.0dBm
Trial #29	Detected	5495.0MHz, -61.0dBm
Trial #30	Detected	5505.0MHz, -61.0dBm

Table 16 - 20MHz Long Sequence Waveform Trial#1 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	90.8	11	1576.0	1232.0	0.183457
2	1	77.9	15	-	-	1.190403
3	3	56.1	19	1431.0	1092.0	1.380680
4	2	55.5	19	1434.0	-	2.386669
5	2	96.0	8	1014.0	-	2.598723
6	2	66.2	6	1402.0	-	3.273080
7	2	97.4	20	1423.0	-	4.400993
8	2	87.9	12	1757.0	-	4.521595
9	2	96.8	18	1942.0	-	5.231538
10	1	72.5	18	-	-	6.263021
11	2	59.7	18	1276.0	-	6.911422
12	1	84.8	10	-	-	7.074064
13	3	89.8	18	1007.0	1793.0	7.807928
14	2	71.1	16	1865.0	-	8.320267
15	2	68.6	9	1616.0	-	9.231749
16	1	55.2	12	-	-	9.591273
17	2	94.5	8	1192.0	-	10.236407
18	1	70.9	14	-	-	10.919116
19	2	80.1	7	1059.0	-	11.378717

Table 17 - 20MHz Long Sequence Waveform Trial#2 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	81.0	16	1483.0	1369.0	0.334898
2	2	71.6	9	1651.0	-	1.742884
3	2	82.9	13	1702.0	-	4.142385
4	2	62.5	8	1778.0	-	5.142824
5	2	85.9	13	1942.0	-	7.234295
6	1	98.0	14	-	-	8.999008
7	3	90.0	7	1631.0	1594.0	9.131713
8	3	86.6	16	1946.0	1180.0	11.415092

Table 18 - 20MHz Long Sequence Waveform Trial#3 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	93.8	16	1261.0	1238.0	0.347629
2	1	89.5	7	-	-	1.322742
3	3	94.9	9	1472.0	1619.0	1.884319
4	1	63.4	7	-	-	2.494500
5	1	97.1	19	-	-	3.039403
6	3	70.0	20	1179.0	1304.0	3.754535
7	3	66.8	6	1970.0	1882.0	4.509114
8	2	81.3	16	1033.0	-	5.511012
9	2	81.3	6	1750.0	-	6.023625
10	3	89.7	11	1353.0	1997.0	6.958189
11	1	99.7	13	-	-	7.411615
12	2	97.2	13	1794.0	-	8.343413
13	3	83.7	16	1236.0	1896.0	9.109137
14	2	99.0	12	1601.0	-	9.693187
15	2	65.9	8	1085.0	-	10.368166
16	3	64.1	18	1843.0	1433.0	10.617916
17	3	51.4	15	1569.0	1583.0	11.558855

Table 19 - 20MHz Long Sequence Waveform Trial#4 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	96.2	6	1100.0	-	0.965490
2	2	62.8	18	1183.0	-	1.871157
3	2	55.9	14	1586.0	-	2.720234
4	2	76.0	19	1939.0	-	4.021673
5	2	78.9	10	1423.0	-	4.998346
6	2	87.7	18	1970.0	-	6.168620
7	2	51.0	16	1807.0	-	6.698602
8	1	81.3	17	-	-	7.809165
9	2	71.9	7	1094.0	-	9.001424
10	3	94.7	12	1539.0	1426.0	10.562717
11	2	79.0	19	1591.0	-	11.196059

Table 20 - 20MHz Long Sequence Waveform Trial#5 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	97.4	19	1982.0	-	0.331279
2	3	82.3	16	1128.0	1795.0	1.286136
3	2	57.7	16	1570.0	-	1.417295
4	1	78.0	11	-	-	2.449050
5	2	52.1	10	1917.0	-	3.506100
6	2	74.0	11	1335.0	-	3.982981
7	1	62.6	12	-	-	4.277661
8	2	50.5	10	1674.0	-	5.555404
9	3	86.2	17	1598.0	1426.0	5.689719
10	3	56.9	8	1731.0	1621.0	6.527743
11	3	57.1	19	1686.0	1761.0	7.396928
12	2	57.1	15	1204.0	-	8.094288
13	2	88.7	14	1907.0	-	9.038798

Table 20 - 20MHz Long Sequence Waveform Trial#5 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
14	2	59.3	6	1431.0	-	9.233707
15	3	91.7	5	1356.0	1675.0	10.521964
16	3	67.2	10	1022.0	1829.0	11.209614
17	3	86.3	12	1577.0	1481.0	11.514365

Table 21 - 20MHz Long Sequence Waveform Trial#6 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	65.1	6	1744.0	-	0.311040
2	3	76.2	12	1524.0	1506.0	1.865341
3	1	60.9	18	-	-	2.243110
4	2	93.6	18	1745.0	-	3.839333
5	3	82.3	19	1926.0	1563.0	4.565504
6	1	83.3	12	-	-	6.516487
7	2	63.3	12	1510.0	-	7.020166
8	2	99.0	9	1127.0	-	8.483958
9	1	72.0	18	-	-	9.344287
10	2	89.3	12	1482.0	-	10.743418
11	2	50.5	20	1016.0	-	11.628435

Table 22 - 20MHz Long Sequence Waveform Trial#7 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	68.6	9	1748.0	-	0.210736
2	2	60.7	13	1824.0	-	1.028858
3	2	87.8	20	1760.0	-	2.129366
4	3	71.2	14	1612.0	1041.0	3.168944
5	3	68.7	15	1536.0	1093.0	3.823283
6	2	95.9	7	1081.0	-	5.301193
7	1	90.1	8	-	-	6.110796
8	2	70.5	16	1677.0	-	7.056223
9	1	72.6	12	-	-	8.142260
10	2	99.2	15	1404.0	-	8.851993
11	3	63.2	12	1917.0	1382.0	10.129340
12	2	83.6	6	1348.0	-	10.529275
13	2	83.8	6	1705.0	-	11.385503

Table 23 - 20MHz Long Sequence Waveform Trial#8 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	62.6	6	1544.0	-	0.269004
2	3	96.8	5	1519.0	1834.0	0.695481
3	1	55.4	10	-	-	1.385288
4	3	52.2	19	1986.0	1483.0	2.470368
5	3	72.4	20	1066.0	1117.0	3.028633
6	3	55.0	15	1346.0	1948.0	3.759372
7	2	77.1	6	1096.0	-	4.308993
8	2	91.4	18	1986.0	-	4.747899
9	2	76.2	7	1009.0	-	5.866058

Table 23 - 20MHz Long Sequence Waveform Trial#8 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
10	2	72.6	16	1644.0	-	6.067950
11	2	68.9	12	1877.0	-	7.071239
12	2	74.0	7	1836.0	-	7.498847
13	2	75.4	8	1489.0	-	8.506400
14	2	88.5	8	1955.0	-	9.010934
15	2	65.6	19	1172.0	-	9.678178
16	2	53.1	18	1828.0	-	10.361301
17	1	50.9	13	-	-	11.097702
18	2	62.8	6	1150.0	-	11.799825

Table 24 - 20MHz Long Sequence Waveform Trial#9 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	80.4	15	-	-	0.655906
2	2	53.9	18	1909.0	-	1.110350
3	2	65.8	18	1777.0	-	2.757604
4	1	83.1	10	-	-	3.353264
5	2	75.6	14	1197.0	-	4.200793
6	2	89.7	9	1679.0	-	4.713897
7	1	98.9	5	-	-	6.113262
8	3	61.8	18	1337.0	1788.0	7.110857
9	3	71.9	10	1889.0	1225.0	7.684318
10	3	80.5	18	1780.0	1039.0	8.474429
11	2	52.7	7	1663.0	-	9.440807
12	1	96.4	11	-	-	10.310339
13	1	74.2	17	-	-	11.498579

Table 25 - 20MHz Long Sequence Waveform Trial#10 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	50.4	13	1582.0	1661.0	0.363868
2	2	72.6	5	1094.0	-	0.777151
3	3	84.3	8	1215.0	1506.0	1.611511
4	2	63.0	13	1913.0	-	2.485509
5	2	53.9	9	1577.0	-	2.694408
6	2	80.5	18	1155.0	-	3.590151
7	3	71.1	8	1271.0	1191.0	3.954020
8	2	66.6	13	1461.0	-	4.532957
9	3	57.8	16	1016.0	1472.0	5.598013
10	1	68.7	17	-	-	5.982938
11	2	79.7	9	1942.0	-	6.485183
12	2	74.0	8	1314.0	-	7.333813
13	2	72.9	9	1811.0	-	7.965548
14	2	78.7	14	1579.0	-	8.768791
15	3	50.3	20	1698.0	1530.0	9.384393
16	3	81.0	10	1989.0	1481.0	10.002608
17	1	67.5	8	-	-	10.309948
18	1	76.2	11	-	-	10.757204
19	2	99.4	6	1460.0	-	11.847236

Table 26 - 20MHz Long Sequence Waveform Trial#11 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	64.0	11	-	-	0.007517
2	2	88.4	8	1653.0	-	1.257076
3	3	79.8	9	1861.0	1644.0	2.708921
4	1	69.5	6	-	-	4.159466
5	3	76.8	13	1921.0	1580.0	5.157451
6	1	94.2	20	-	-	7.198734
7	3	69.4	7	1494.0	1474.0	7.886530
8	3	78.9	10	1680.0	1779.0	8.618477
9	2	96.5	8	1920.0	-	10.348558
10	2	83.8	8	1475.0	-	11.789046

Table 27 - 20MHz Long Sequence Waveform Trial#12 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	65.6	18	1486.0	-	0.257104
2	2	73.0	12	1587.0	-	0.859991
3	2	70.3	20	1958.0	-	1.574712
4	2	84.5	14	1355.0	-	2.730128
5	2	63.2	13	1013.0	-	3.009994
6	3	62.3	15	1992.0	1248.0	3.562180
7	2	98.0	18	1088.0	-	4.772621
8	2	50.5	13	1089.0	-	5.590422
9	2	56.2	10	1250.0	-	5.855706
10	2	84.4	18	1718.0	-	6.688474
11	2	50.2	19	1469.0	-	7.191915
12	1	80.7	12	-	-	7.868741
13	1	75.9	6	-	-	8.821600
14	1	78.3	20	-	-	9.478106
15	3	66.1	15	1454.0	1170.0	10.456592
16	3	82.1	15	1983.0	1884.0	10.745968
17	2	50.8	10	1399.0	-	11.799296

Table 28 - 20MHz Long Sequence Waveform Trial#13 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	55.5	7	1141.0	1621.0	0.813279
2	3	82.3	7	1685.0	1865.0	1.348835
3	2	64.8	15	1525.0	-	2.310042
4	1	55.5	16	-	-	3.389611
5	3	74.7	10	1763.0	1057.0	4.322083
6	1	96.7	11	-	-	5.904265
7	2	99.0	12	1023.0	-	6.488259
8	2	72.7	15	1830.0	-	7.198877
9	2	56.5	16	1248.0	-	8.846158
10	1	85.0	11	-	-	9.758284
11	2	95.8	6	1254.0	-	10.482767
12	1	54.7	5	-	-	11.685316

Table 29 - 20MHz Long Sequence Waveform Trial#14 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	68.8	12	1348.0	1204.0	0.303529
2	2	84.8	16	1028.0	-	1.632016
3	1	96.4	13	-	-	2.360794
4	2	75.6	7	1150.0	-	2.916513
5	1	86.4	16	-	-	4.458331
6	1	78.4	9	-	-	4.831894
7	3	58.5	18	1669.0	1107.0	6.071953
8	3	53.2	11	1357.0	1798.0	6.494135
9	1	65.9	15	-	-	8.259370
10	2	55.3	17	1735.0	-	8.382485
11	2	96.8	14	1978.0	-	9.459800
12	3	63.8	15	1406.0	1510.0	10.416156
13	1	92.4	9	-	-	11.344611

Table 30 - 20MHz Long Sequence Waveform Trial#15 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	94.0	15	-	-	0.204861
2	1	62.6	13	-	-	1.271213
3	1	67.1	15	-	-	1.716862
4	2	54.4	10	1573.0	-	3.385077
5	2	59.0	8	1232.0	-	3.658670
6	3	71.6	16	1938.0	1499.0	4.769409
7	2	81.6	17	1486.0	-	5.379723
8	3	91.4	7	1239.0	1189.0	6.406323
9	2	64.5	6	1858.0	-	7.270629
10	3	82.8	9	1466.0	1384.0	8.020003
11	3	54.8	16	1669.0	1485.0	8.947315
12	2	63.4	12	1413.0	-	9.798854
13	2	82.5	15	1319.0	-	10.411758
14	2	89.7	15	1649.0	-	11.609213

Table 31 - 20MHz Long Sequence Waveform Trial#16 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	87.3	6	1473.0	-	0.762893
2	3	89.1	18	1690.0	1247.0	1.902893
3	2	95.8	18	1034.0	-	3.187284
4	1	74.2	6	-	-	3.416739
5	2	78.1	9	1144.0	-	4.948117
6	2	88.4	10	1674.0	-	6.025381
7	2	80.1	15	1841.0	-	7.244601
8	2	66.6	12	1000.0	-	7.922737
9	2	60.7	11	1447.0	-	9.733801
10	2	89.6	15	1067.0	-	10.154296
11	3	55.1	12	1282.0	1267.0	11.037189

Table 32 - 20MHz Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	62.0	19	-	-	0.317415

Table 32 - 20MHz Long Sequence Waveform Trial#17 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
2	3	69.6	17	1969.0	1939.0	0.763961
3	1	69.0	11	-	-	1.612634
4	3	74.9	19	1432.0	1079.0	2.453251
5	2	56.4	11	1733.0	-	2.816735
6	2	95.2	7	1462.0	-	3.886862
7	1	92.8	16	-	-	4.429763
8	2	58.7	11	1297.0	-	5.327402
9	2	78.0	11	1091.0	-	5.722875
10	3	69.5	14	1431.0	1649.0	6.180602
11	2	90.0	12	1457.0	-	6.768469
12	3	64.6	17	1381.0	1124.0	7.713428
13	2	60.5	12	1402.0	-	8.135132
14	3	57.2	13	1340.0	1342.0	8.801687
15	1	84.2	5	-	-	9.739975
16	3	70.1	16	1060.0	1861.0	10.559436
17	2	96.6	6	1758.0	-	10.895880
18	1	57.5	12	-	-	11.607717

Table 33 - 20MHz Long Sequence Waveform Trial#18 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	85.2	16	1650.0	-	0.044778
2	3	59.3	15	1230.0	1800.0	1.055991
3	3	91.3	8	1812.0	1730.0	2.042976
4	2	95.7	6	1628.0	-	2.842366
5	1	63.4	13	-	-	4.131451
6	3	97.9	17	1210.0	1817.0	4.833322
7	2	90.7	13	1457.0	-	6.395476
8	2	95.3	15	1447.0	-	6.672108
9	3	87.8	11	1822.0	1590.0	8.208883
10	1	94.2	11	-	-	8.330415
11	1	81.9	8	-	-	10.052066
12	2	70.0	19	1687.0	-	10.404818
13	1	73.1	12	-	-	11.396301

Table 34 - 20MHz Long Sequence Waveform Trial#19 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	75.0	15	-	-	0.630019
2	2	74.3	12	1820.0	-	1.050876
3	2	94.1	8	1448.0	-	1.626122
4	2	53.1	7	1149.0	-	2.478008
5	1	75.8	13	-	-	2.869612
6	1	84.5	20	-	-	3.347613
7	2	64.8	6	1180.0	-	4.154074
8	2	75.6	10	1971.0	-	4.628569
9	1	71.8	13	-	-	5.306809
10	3	81.3	17	1611.0	1462.0	6.061465
11	2	80.9	16	1959.0	-	6.874653
12	2	96.2	16	1490.0	-	6.969631
13	2	51.1	9	1063.0	-	7.610268
14	2	89.9	20	1798.0	-	8.750804
15	2	55.9	9	1810.0	-	8.888998
16	2	82.1	13	1832.0	-	10.064100
17	2	80.9	12	1229.0	-	10.734404
18	2	71.5	13	1010.0	-	10.880143
19	3	93.8	8	1714.0	1906.0	11.648545

Table 35 - 20MHz Long Sequence Waveform Trial#20 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	70.9	17	1078.0	-	0.390864
2	2	66.1	8	1640.0	-	0.888724
3	2	57.3	8	1974.0	-	1.300423
4	3	76.8	5	1887.0	1503.0	2.320827
5	1	53.2	14	-	-	2.968659
6	3	75.2	15	1062.0	1153.0	3.521999
7	2	80.7	11	1312.0	-	3.724926
8	1	56.8	19	-	-	4.265315
9	2	89.4	8	1592.0	-	5.368147
10	1	81.1	8	-	-	5.889768
11	2	65.7	17	1344.0	-	6.052998
12	1	51.4	8	-	-	6.832943
13	3	94.6	16	1458.0	1050.0	7.735876
14	3	90.8	13	1721.0	1771.0	8.141351
15	3	51.3	18	1289.0	1995.0	8.484346
16	2	90.9	16	1290.0	-	9.304143
17	3	72.5	5	1552.0	1930.0	9.995733
18	3	80.3	12	1968.0	1744.0	10.618339
19	1	50.9	20	-	-	10.918961
20	1	97.3	11	-	-	11.852472

Table 36 - 20MHz Long Sequence Waveform Trial#21 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	50.9	7	-	-	0.982116
2	2	93.1	13	1305.0	-	2.230804
3	2	56.1	13	1941.0	-	3.770079
4	2	53.9	7	1701.0	-	4.913605
5	2	52.9	13	1385.0	-	5.658681
6	2	83.1	17	1122.0	-	6.930973
7	2	94.3	20	1592.0	-	8.347924
8	1	63.0	12	-	-	10.086662
9	2	72.6	17	1440.0	-	11.356880

Table 37 - 20MHz Long Sequence Waveform Trial#22 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	76.0	19	1277.0	-	0.271307
2	3	85.2	19	1324.0	1558.0	1.839873
3	2	98.4	17	1785.0	-	2.060910
4	1	87.1	19	-	-	3.346494
5	1	98.7	12	-	-	4.225221
6	3	56.0	12	1898.0	1331.0	5.500587
7	1	68.4	8	-	-	6.328582
8	2	82.8	6	1058.0	-	7.052286
9	2	95.2	9	1533.0	-	7.443736
10	3	54.1	19	1456.0	1992.0	8.542311
11	3	84.8	19	1266.0	1610.0	9.350447
12	2	96.5	7	1706.0	-	10.470233
13	2	59.2	15	1862.0	-	11.163321

Table 38 - 20MHz Long Sequence Waveform Trial#23 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	92.7	10	1671.0	-	0.514017
2	2	91.4	12	1563.0	-	1.612100
3	1	69.3	11	-	-	2.761374
4	1	82.9	14	-	-	3.357803
5	1	86.4	8	-	-	4.364353
6	2	54.2	10	1437.0	-	5.334174
7	2	80.0	13	1593.0	-	6.405010
8	2	66.9	10	1712.0	-	7.329624
9	2	99.5	10	1234.0	-	7.859200
10	2	52.0	14	1397.0	-	8.815844
11	2	70.4	19	1987.0	-	9.967107
12	1	87.1	15	-	-	10.812380
13	1	56.4	13	-	-	11.108745

Table 39 - 20MHz Long Sequence Waveform Trial#24 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	76.7	19	1754.0	-	0.106958
2	3	51.5	10	1715.0	1249.0	1.250130
3	2	64.2	15	1004.0	-	1.977883
4	2	97.7	9	1046.0	-	2.460398
5	3	64.8	12	1413.0	1133.0	3.498002
6	1	77.5	11	-	-	3.794754
7	2	84.1	6	1507.0	-	4.566924
8	1	54.2	7	-	-	5.262482
9	2	87.3	18	1852.0	-	6.244995
10	2	85.2	7	1833.0	-	7.014187
11	3	55.5	7	1333.0	1292.0	7.552329
12	1	80.7	18	-	-	7.933618
13	1	75.0	6	-	-	9.116850
14	2	82.4	17	1250.0	-	9.425352
15	3	97.1	11	1677.0	1521.0	9.899202
16	2	58.9	6	1021.0	-	11.041500
17	2	68.3	9	1601.0	-	11.888812

Table 40 - 20MHz Long Sequence Waveform Trial#25 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	94.2	12	1022.0	-	0.764373
2	3	62.5	19	1318.0	1384.0	0.986135
3	3	97.6	13	1800.0	1482.0	2.533382
4	1	57.6	10	-	-	3.588507
5	3	88.5	14	1844.0	1762.0	4.525377
6	1	72.7	14	-	-	5.454401
7	1	52.8	5	-	-	6.256009
8	1	80.2	12	-	-	7.245063
9	1	83.1	7	-	-	7.440954
10	2	77.0	16	1224.0	-	9.056785
11	3	67.6	9	1891.0	1811.0	10.142781
12	2	53.8	15	1115.0	-	10.953061
13	3	97.4	17	1881.0	1351.0	11.744297

Table 41 - 20MHz Long Sequence Waveform Trial#26 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	84.8	15	1601.0	-	0.808564
2	2	91.7	18	1064.0	-	1.161607
3	1	83.1	19	-	-	2.474060
4	3	87.6	13	1786.0	1058.0	3.618813
5	2	63.0	7	1331.0	-	4.859708
6	2	98.1	20	1455.0	-	5.031817
7	2	74.0	19	1030.0	-	6.431324
8	1	79.1	10	-	-	7.215086
9	1	82.8	20	-	-	8.314052
10	1	96.3	8	-	-	9.771321
11	3	80.1	5	1787.0	1083.0	10.817894

Table 41 - 20MHz Long Sequence Waveform Trial#26 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
12	3	94.3	6	1675.0	1995.0	11.133927

Table 42 - 20MHz Long Sequence Waveform Trial#27 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	66.4	8	1563.0	1621.0	0.430213
2	2	62.4	9	1200.0	-	1.354304
3	2	77.0	15	1003.0	-	3.274445
4	1	90.4	8	-	-	4.724195
5	3	52.8	6	1118.0	1125.0	6.247806
6	2	96.6	14	1549.0	-	7.042320
7	3	93.7	11	1565.0	1530.0	9.320259
8	1	51.3	8	-	-	10.077981
9	2	96.1	16	1375.0	-	11.167741

Table 43 - 20MHz Long Sequence Waveform Trial#28 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	63.7	16	1990.0	1815.0	0.391355
2	2	69.8	14	1378.0	-	0.733810
3	1	92.8	14	-	-	1.974867
4	1	59.0	12	-	-	2.583240
5	3	76.9	11	1729.0	1738.0	3.255022
6	2	71.8	17	1910.0	-	3.714212
7	3	54.0	12	1947.0	1432.0	4.187755
8	2	61.1	19	1520.0	-	4.776597
9	2	57.8	15	1485.0	-	5.835419
10	2	96.5	6	1971.0	-	6.202259
11	1	54.7	8	-	-	7.005046
12	2	97.6	16	1073.0	-	7.377937
13	2	50.0	13	1731.0	-	8.154507
14	2	79.2	10	1849.0	-	9.162579
15	2	88.8	9	1137.0	-	9.597520
16	1	81.2	17	-	-	10.030604
17	2	77.8	10	1673.0	-	11.146028
18	3	68.2	18	1989.0	1762.0	11.902750

Table 44 - 20MHz Long Sequence Waveform Trial#29 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	57.8	5	1517.0	1238.0	0.014519
2	1	98.2	7	-	-	0.795447
3	2	63.1	10	1524.0	-	1.928630
4	3	81.1	6	1985.0	1809.0	2.228600
5	3	68.4	15	1270.0	1990.0	2.886564
6	2	65.6	8	1368.0	-	4.011093
7	1	98.8	11	-	-	4.449404
8	2	59.5	18	1329.0	-	5.366932
9	2	81.7	15	1189.0	-	5.868237

Table 44 - 20MHz Long Sequence Waveform Trial#29 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
10	2	82.1	8	1810.0	-	6.646221
11	1	60.1	15	-	-	7.407449
12	1	57.9	13	-	-	8.170595
13	2	68.6	19	1526.0	-	9.123293
14	3	90.4	6	1613.0	1031.0	9.250687
15	3	84.4	16	1095.0	1654.0	9.920218
16	2	71.8	13	1309.0	-	10.959053
17	1	74.8	10	-	-	11.662141

Table 45 - 20MHz Long Sequence Waveform Trial#30 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	68.1	19	-	-	1.010528
2	1	53.4	9	-	-	2.263670
3	3	53.3	12	1465.0	1550.0	3.667766
4	3	71.9	8	1974.0	1375.0	4.789604
5	3	80.9	15	1329.0	1258.0	6.043227
6	1	52.5	6	-	-	7.871840
7	1	89.5	15	-	-	9.044784
8	1	98.2	5	-	-	9.951213
9	3	95.4	9	1409.0	1282.0	11.578651

Table 46 - 40MHzDetection Bandwidth Measurements (Bandwidth: +20MHz /-20MHz)

*Actual center of bonded channel was 5510MHz (+20MHz / -20MHz)

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5489.00 MHz	3	3	50
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5490.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	11	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5510.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5511.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5512.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5513.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5514.00 MHz	10	0	100

Table 46 - 40MHzDetection Bandwidth Measurements (Bandwidth: +20MHz /-20MHz)

*Actual center of bonded channel was 5510MHz (+20MHz / -20MHz)

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5515.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5516.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5517.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5518.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5519.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5520.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5521.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5522.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5523.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5524.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5525.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5526.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5527.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5528.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5529.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5530.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5531.00 MHz	0	3	0

Table 47 - Summary Of All Radar Types - 40MHz (Radiated Method)				
Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
These measurements were performed to confirm that the radiated and conducted test methods gave comparable results. Refer to Table 49and Table 50 for the conducted method results for radar type 1 (detected at 100%). A similar comparison was made in the 20MHz bandwidth mode (Table 8 and Table 9). The test level of -64dBm at the antenna was the detection threshold required for this device.				

Table 48 - FCC Short Pulse Radar (Type 1) Results – 40MHz (Radiated Method)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/06/2011 08:24:08 AM)
2	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/06/2011 08:24:16 AM)
3	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/06/2011 08:24:24 AM)
4	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/06/2011 08:24:32 AM)
5	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/06/2011 08:24:40 AM)
6	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/06/2011 08:24:48 AM)
7	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/06/2011 08:24:55 AM)
8	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/06/2011 08:25:03 AM)
9	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/06/2011 08:25:11 AM)
10	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/06/2011 08:25:18 AM)
11	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/06/2011 08:25:26 AM)
12	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/06/2011 08:25:36 AM)
13	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/06/2011 08:25:45 AM)
14	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/06/2011 08:25:53 AM)
15	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/06/2011 08:26:01 AM)
16	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/06/2011 08:26:08 AM)
17	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/06/2011 08:26:17 AM)
18	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/06/2011 08:26:26 AM)
19	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/06/2011 08:26:37 AM)
20	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/06/2011 08:26:47 AM)
21	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/06/2011 08:26:59 AM)

Table 48 - FCC Short Pulse Radar (Type 1) Results – 40MHz (Radiated Method)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
22	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/06/2011 08:27:07 AM)
23	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/06/2011 08:27:15 AM)
24	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/06/2011 08:27:22 AM)
25	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/06/2011 08:27:29 AM)
26	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/06/2011 08:27:37 AM)
27	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/06/2011 08:27:44 AM)
28	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/06/2011 08:27:52 AM)
29	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/06/2011 08:28:00 AM)
30	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/06/2011 08:28:07 AM)

Table 49 - Summary of All Results - 40MHz				
Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	90.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	83.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	83.3 %	60.0 %	30	PASSED
Aggregate of above results	89.2 %	80.0 %	120	Pass
Long Sequence	86.7 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	41	PASSED

Table 50 - FCC Short Pulse Radar (Type 1) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5510.0MHz, -69.0dBm	Single burst (04/15/2011 02:55:46 PM)
2	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 02:56:07 PM)
3	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 02:56:24 PM)
4	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 02:56:32 PM)
5	18	1.0	1428.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 02:56:42 PM)
6	18	1.0	1428.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 02:56:49 PM)
7	18	1.0	1428.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 02:56:56 PM)
8	18	1.0	1428.0	Yes	5510.0MHz, -69.0dBm	Single burst (04/15/2011 02:57:03 PM)
9	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 02:57:10 PM)
10	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 02:57:17 PM)
11	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 02:57:23 PM)
12	18	1.0	1428.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 02:57:30 PM)
13	18	1.0	1428.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 02:57:41 PM)
14	18	1.0	1428.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 02:57:50 PM)
15	18	1.0	1428.0	Yes	5510.0MHz, -69.0dBm	Single burst (04/15/2011 02:57:58 PM)
16	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 02:58:04 PM)
17	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 02:58:11 PM)
18	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 02:58:18 PM)
19	18	1.0	1428.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 02:58:25 PM)
20	18	1.0	1428.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 02:58:32 PM)

Table 50 - FCC Short Pulse Radar (Type 1) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
21	18	1.0	1428.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 02:58:39 PM)
22	18	1.0	1428.0	Yes	5510.0MHz, -69.0dBm	Single burst (04/15/2011 02:58:46 PM)
23	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 02:58:53 PM)
24	18	1.0	1428.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 02:58:59 PM)
25	18	1.0	1428.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 02:59:06 PM)
26	18	1.0	1428.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 02:59:14 PM)
27	18	1.0	1428.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 02:59:20 PM)
28	18	1.0	1428.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 02:59:27 PM)
29	18	1.0	1428.0	Yes	5510.0MHz, -69.0dBm	Single burst (04/15/2011 02:59:34 PM)
30	18	1.0	1428.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 02:59:42 PM)

Table 51 - FCC Short Pulse Radar (Type 2) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	28	2.4	223.0	Yes	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:10:47 PM)
2	26	2.5	177.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:10:56 PM)
3	25	3.8	162.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:11:05 PM)
4	28	4.7	155.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:11:27 PM)
5	25	3.0	229.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:11:41 PM)
6	27	3.8	222.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:11:55 PM)
7	26	2.9	215.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:12:04 PM)
8	23	3.4	200.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:12:13 PM)
9	25	4.8	151.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:12:35 PM)
10	23	3.8	211.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:12:43 PM)
11	24	4.8	198.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:13:07 PM)
12	25	1.1	161.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:13:19 PM)
13	26	3.4	221.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:13:28 PM)
14	27	2.9	224.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:13:42 PM)

Table 51 - FCC Short Pulse Radar (Type 2) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
15	25	1.8	212.0	Yes	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:13:53 PM)
16	29	2.6	165.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:14:01 PM)
17	28	3.1	197.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:14:11 PM)
18	24	2.7	216.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:14:26 PM)
19	29	3.2	211.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:14:37 PM)
20	27	4.3	214.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:14:48 PM)
21	24	1.9	151.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:14:58 PM)
22	23	3.0	168.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:15:08 PM)
23	27	2.9	173.0	No	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:15:31 PM)
24	24	2.8	210.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:15:59 PM)
25	28	3.3	166.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:16:11 PM)
26	27	2.1	219.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:16:25 PM)
27	23	3.1	156.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:16:40 PM)
28	29	3.0	185.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:17:03 PM)
29	28	1.3	165.0	Yes	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:17:12 PM)
30	24	1.2	150.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:17:54 PM)

Table 52 - FCC Short Pulse Radar (Type 3) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	16	8.3	470.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:20:01 PM)
2	18	8.4	314.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:20:52 PM)
3	17	8.6	407.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:21:22 PM)
4	17	6.4	245.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:21:50 PM)
5	16	6.5	315.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:22:08 PM)
6	17	7.5	237.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:22:23 PM)
7	18	8.0	295.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:22:35 PM)
8	17	9.1	495.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:22:49 PM)

Table 52 - FCC Short Pulse Radar (Type 3) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
9	17	9.4	391.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:23:21 PM)
10	17	7.2	302.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:23:34 PM)
11	16	9.1	296.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:23:42 PM)
12	17	6.1	204.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:23:49 PM)
13	17	9.0	425.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:24:06 PM)
14	16	7.3	490.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:24:13 PM)
15	17	8.3	229.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:24:20 PM)
16	16	8.6	251.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:24:33 PM)
17	17	9.7	382.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:24:41 PM)
18	18	8.7	223.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:24:48 PM)
19	18	9.6	379.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:24:56 PM)
20	17	7.1	375.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:25:03 PM)
21	16	6.1	218.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:25:10 PM)
22	17	8.0	432.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:25:18 PM)
23	16	8.3	251.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:25:36 PM)
24	17	9.2	315.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:25:43 PM)
25	18	10.0	348.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:25:53 PM)
26	17	6.6	437.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:26:02 PM)
27	17	6.2	360.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:26:10 PM)
28	17	8.6	281.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:26:18 PM)
29	17	8.3	448.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:26:26 PM)
30	17	8.7	480.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:26:43 PM)

Table 53 - FCC Short Pulse Radar (Type 4) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	15	12.1	328.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:27:25 PM)
2	15	13.4	406.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:27:42 PM)

Table 53 - FCC Short Pulse Radar (Type 4) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	14	17.4	476.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:27:51 PM)
4	16	11.9	388.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:28:00 PM)
5	15	13.0	278.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:28:07 PM)
6	15	19.3	374.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:28:14 PM)
7	13	16.5	284.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:28:21 PM)
8	15	20.0	372.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:28:28 PM)
9	14	17.2	376.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:28:39 PM)
10	14	19.4	313.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:28:47 PM)
11	14	12.7	310.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:28:54 PM)
12	16	17.5	378.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:29:01 PM)
13	15	19.7	357.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:29:09 PM)
14	14	11.6	305.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:29:17 PM)
15	16	12.6	356.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:29:24 PM)
16	15	14.2	364.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:29:38 PM)
17	12	13.6	366.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:29:46 PM)
18	14	16.6	409.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:29:54 PM)
19	16	19.7	325.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:30:01 PM)
20	13	18.9	257.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:30:09 PM)
21	16	12.4	206.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:30:17 PM)
22	14	18.6	381.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:30:39 PM)
23	13	14.1	306.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:30:49 PM)
24	14	17.0	446.0	Yes	5500.0MHz, -69.0dBm	Single burst (04/15/2011 03:30:57 PM)
25	13	19.7	226.0	Yes	5495.0MHz, -69.0dBm	Single burst (04/15/2011 03:31:06 PM)
26	15	13.1	293.0	Yes	5525.0MHz, -69.0dBm	Single burst (04/15/2011 03:31:14 PM)
27	15	12.5	418.0	Yes	5520.0MHz, -69.0dBm	Single burst (04/15/2011 03:31:21 PM)
28	13	11.8	281.0	Yes	5515.0MHz, -69.0dBm	Single burst (04/15/2011 03:31:33 PM)
29	15	18.5	225.0	No	5510.0MHz, -69.0dBm	Single burst (04/15/2011 03:31:45 PM)

Table 53 - FCC Short Pulse Radar (Type 4) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
30	15	13.4	271.0	Yes	5505.0MHz, -69.0dBm	Single burst (04/15/2011 03:32:00 PM)

Table 54 - Long Sequence Waveform Summary 40MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5500.0MHz, -61.0dBm
Trial #2	Detected	5495.0MHz, -61.0dBm
Trial #3	Detected	5505.0MHz, -61.0dBm
Trial #4	Detected	5500.0MHz, -61.0dBm
Trial #5	Detected	5495.0MHz, -61.0dBm
Trial #6	NOT Detected	5505.0MHz, -61.0dBm
Trial #7	Detected	5500.0MHz, -61.0dBm
Trial #8	Detected	5495.0MHz, -61.0dBm
Trial #9	Detected	5505.0MHz, -61.0dBm
Trial #10	Detected	5500.0MHz, -61.0dBm
Trial #11	Detected	5495.0MHz, -61.0dBm
Trial #12	Detected	5505.0MHz, -61.0dBm
Trial #13	Detected	5500.0MHz, -61.0dBm
Trial #14	NOT Detected	5495.0MHz, -61.0dBm
Trial #15	Detected	5505.0MHz, -61.0dBm
Trial #16	Detected	5500.0MHz, -61.0dBm
Trial #17	Detected	5495.0MHz, -61.0dBm
Trial #18	Detected	5505.0MHz, -61.0dBm
Trial #19	Detected	5500.0MHz, -61.0dBm
Trial #20	NOT Detected	5495.0MHz, -61.0dBm
Trial #21	Detected	5505.0MHz, -61.0dBm
Trial #22	Detected	5500.0MHz, -61.0dBm
Trial #23	Detected	5495.0MHz, -61.0dBm
Trial #24	Detected	5505.0MHz, -61.0dBm
Trial #25	Detected	5500.0MHz, -61.0dBm
Trial #26	NOT Detected	5495.0MHz, -61.0dBm
Trial #27	Detected	5505.0MHz, -61.0dBm

Table 54 - Long Sequence Waveform Summary 40MHz		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #28	Detected	5500.0MHz, -61.0dBm
Trial #29	Detected	5495.0MHz, -61.0dBm
Trial #30	Detected	5505.0MHz, -61.0dBm

Table 55 - 40MHz Long Sequence Waveform Trial#1 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	90.8	11	1576.0	1232.0	0.183457
2	1	77.9	15	-	-	1.190403
3	3	56.1	19	1431.0	1092.0	1.380680
4	2	55.5	19	1434.0	-	2.386669
5	2	96.0	8	1014.0	-	2.598723
6	2	66.2	6	1402.0	-	3.273080
7	2	97.4	20	1423.0	-	4.400993
8	2	87.9	12	1757.0	-	4.521595
9	2	96.8	18	1942.0	-	5.231538
10	1	72.5	18	-	-	6.263021
11	2	59.7	18	1276.0	-	6.911422
12	1	84.8	10	-	-	7.074064
13	3	89.8	18	1007.0	1793.0	7.807928
14	2	71.1	16	1865.0	-	8.320267
15	2	68.6	9	1616.0	-	9.231749
16	1	55.2	12	-	-	9.591273
17	2	94.5	8	1192.0	-	10.236407
18	1	70.9	14	-	-	10.919116
19	2	80.1	7	1059.0	-	11.378717

Table 56 - 40MHz Long Sequence Waveform Trial#2 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	81.0	16	1483.0	1369.0	0.334898
2	2	71.6	9	1651.0	-	1.742884
3	2	82.9	13	1702.0	-	4.142385
4	2	62.5	8	1778.0	-	5.142824
5	2	85.9	13	1942.0	-	7.234295
6	1	98.0	14	-	-	8.999008
7	3	90.0	7	1631.0	1594.0	9.131713
8	3	86.6	16	1946.0	1180.0	11.415092

Table 57 - 40MHz Long Sequence Waveform Trial#3 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	93.8	16	1261.0	1238.0	0.347629
2	1	89.5	7	-	-	1.322742
3	3	94.9	9	1472.0	1619.0	1.884319
4	1	63.4	7	-	-	2.494500
5	1	97.1	19	-	-	3.039403
6	3	70.0	20	1179.0	1304.0	3.754535
7	3	66.8	6	1970.0	1882.0	4.509114
8	2	81.3	16	1033.0	-	5.511012
9	2	81.3	6	1750.0	-	6.023625
10	3	89.7	11	1353.0	1997.0	6.958189
11	1	99.7	13	-	-	7.411615
12	2	97.2	13	1794.0	-	8.343413
13	3	83.7	16	1236.0	1896.0	9.109137
14	2	99.0	12	1601.0	-	9.693187
15	2	65.9	8	1085.0	-	10.368166
16	3	64.1	18	1843.0	1433.0	10.617916
17	3	51.4	15	1569.0	1583.0	11.558855

Table 58 - 40MHz Long Sequence Waveform Trial#4 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	96.2	6	1100.0	-	0.965490
2	2	62.8	18	1183.0	-	1.871157
3	2	55.9	14	1586.0	-	2.720234
4	2	76.0	19	1939.0	-	4.021673
5	2	78.9	10	1423.0	-	4.998346
6	2	87.7	18	1970.0	-	6.168620
7	2	51.0	16	1807.0	-	6.698602
8	1	81.3	17	-	-	7.809165
9	2	71.9	7	1094.0	-	9.001424
10	3	94.7	12	1539.0	1426.0	10.562717
11	2	79.0	19	1591.0	-	11.196059

Table 59 - 40MHz Long Sequence Waveform Trial#5 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	97.4	19	1982.0	-	0.331279
2	3	82.3	16	1128.0	1795.0	1.286136
3	2	57.7	16	1570.0	-	1.417295
4	1	78.0	11	-	-	2.449050
5	2	52.1	10	1917.0	-	3.506100
6	2	74.0	11	1335.0	-	3.982981
7	1	62.6	12	-	-	4.277661
8	2	50.5	10	1674.0	-	5.555404
9	3	86.2	17	1598.0	1426.0	5.689719
10	3	56.9	8	1731.0	1621.0	6.527743
11	3	57.1	19	1686.0	1761.0	7.396928
12	2	57.1	15	1204.0	-	8.094288
13	2	88.7	14	1907.0	-	9.038798

Table 59 - 40MHz Long Sequence Waveform Trial#5 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
14	2	59.3	6	1431.0	-	9.233707
15	3	91.7	5	1356.0	1675.0	10.521964
16	3	67.2	10	1022.0	1829.0	11.209614
17	3	86.3	12	1577.0	1481.0	11.514365

Table 60 - 40MHz Long Sequence Waveform Trial#6 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	65.1	6	1744.0	-	0.311040
2	3	76.2	12	1524.0	1506.0	1.865341
3	1	60.9	18	-	-	2.243110
4	2	93.6	18	1745.0	-	3.839333
5	3	82.3	19	1926.0	1563.0	4.565504
6	1	83.3	12	-	-	6.516487
7	2	63.3	12	1510.0	-	7.020166
8	2	99.0	9	1127.0	-	8.483958
9	1	72.0	18	-	-	9.344287
10	2	89.3	12	1482.0	-	10.743418
11	2	50.5	20	1016.0	-	11.628435

Table 61 - 40MHz Long Sequence Waveform Trial#7 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	68.6	9	1748.0	-	0.210736
2	2	60.7	13	1824.0	-	1.028858
3	2	87.8	20	1760.0	-	2.129366
4	3	71.2	14	1612.0	1041.0	3.168944
5	3	68.7	15	1536.0	1093.0	3.823283
6	2	95.9	7	1081.0	-	5.301193
7	1	90.1	8	-	-	6.110796
8	2	70.5	16	1677.0	-	7.056223
9	1	72.6	12	-	-	8.142260
10	2	99.2	15	1404.0	-	8.851993
11	3	63.2	12	1917.0	1382.0	10.129340
12	2	83.6	6	1348.0	-	10.529275
13	2	83.8	6	1705.0	-	11.385503

Table 62 - 40MHz Long Sequence Waveform Trial#8 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	62.6	6	1544.0	-	0.269004
2	3	96.8	5	1519.0	1834.0	0.695481
3	1	55.4	10	-	-	1.385288
4	3	52.2	19	1986.0	1483.0	2.470368
5	3	72.4	20	1066.0	1117.0	3.028633
6	3	55.0	15	1346.0	1948.0	3.759372
7	2	77.1	6	1096.0	-	4.308993
8	2	91.4	18	1986.0	-	4.747899
9	2	76.2	7	1009.0	-	5.866058

Table 62 - 40MHz Long Sequence Waveform Trial#8 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
10	2	72.6	16	1644.0	-	6.067950
11	2	68.9	12	1877.0	-	7.071239
12	2	74.0	7	1836.0	-	7.498847
13	2	75.4	8	1489.0	-	8.506400
14	2	88.5	8	1955.0	-	9.010934
15	2	65.6	19	1172.0	-	9.678178
16	2	53.1	18	1828.0	-	10.361301
17	1	50.9	13	-	-	11.097702
18	2	62.8	6	1150.0	-	11.799825

Table 63 - 40MHz Long Sequence Waveform Trial#9 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	80.4	15	-	-	0.655906
2	2	53.9	18	1909.0	-	1.110350
3	2	65.8	18	1777.0	-	2.757604
4	1	83.1	10	-	-	3.353264
5	2	75.6	14	1197.0	-	4.200793
6	2	89.7	9	1679.0	-	4.713897
7	1	98.9	5	-	-	6.113262
8	3	61.8	18	1337.0	1788.0	7.110857
9	3	71.9	10	1889.0	1225.0	7.684318
10	3	80.5	18	1780.0	1039.0	8.474429
11	2	52.7	7	1663.0	-	9.440807
12	1	96.4	11	-	-	10.310339
13	1	74.2	17	-	-	11.498579

Table 64 - 40MHz Long Sequence Waveform Trial#10 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	50.4	13	1582.0	1661.0	0.363868
2	2	72.6	5	1094.0	-	0.777151
3	3	84.3	8	1215.0	1506.0	1.611511
4	2	63.0	13	1913.0	-	2.485509
5	2	53.9	9	1577.0	-	2.694408
6	2	80.5	18	1155.0	-	3.590151
7	3	71.1	8	1271.0	1191.0	3.954020
8	2	66.6	13	1461.0	-	4.532957
9	3	57.8	16	1016.0	1472.0	5.598013
10	1	68.7	17	-	-	5.982938
11	2	79.7	9	1942.0	-	6.485183
12	2	74.0	8	1314.0	-	7.333813
13	2	72.9	9	1811.0	-	7.965548
14	2	78.7	14	1579.0	-	8.768791
15	3	50.3	20	1698.0	1530.0	9.384393
16	3	81.0	10	1989.0	1481.0	10.002608
17	1	67.5	8	-	-	10.309948
18	1	76.2	11	-	-	10.757204
19	2	99.4	6	1460.0	-	11.847236

Table 65 - 40MHz Long Sequence Waveform Trial#11 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	64.0	11	-	-	0.007517
2	2	88.4	8	1653.0	-	1.257076
3	3	79.8	9	1861.0	1644.0	2.708921
4	1	69.5	6	-	-	4.159466
5	3	76.8	13	1921.0	1580.0	5.157451
6	1	94.2	20	-	-	7.198734
7	3	69.4	7	1494.0	1474.0	7.886530
8	3	78.9	10	1680.0	1779.0	8.618477
9	2	96.5	8	1920.0	-	10.348558
10	2	83.8	8	1475.0	-	11.789046

Table 66 - 40MHz Long Sequence Waveform Trial#12 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	65.6	18	1486.0	-	0.257104
2	2	73.0	12	1587.0	-	0.859991
3	2	70.3	20	1958.0	-	1.574712
4	2	84.5	14	1355.0	-	2.730128
5	2	63.2	13	1013.0	-	3.009994
6	3	62.3	15	1992.0	1248.0	3.562180
7	2	98.0	18	1088.0	-	4.772621
8	2	50.5	13	1089.0	-	5.590422
9	2	56.2	10	1250.0	-	5.855706
10	2	84.4	18	1718.0	-	6.688474
11	2	50.2	19	1469.0	-	7.191915
12	1	80.7	12	-	-	7.868741
13	1	75.9	6	-	-	8.821600
14	1	78.3	20	-	-	9.478106
15	3	66.1	15	1454.0	1170.0	10.456592
16	3	82.1	15	1983.0	1884.0	10.745968
17	2	50.8	10	1399.0	-	11.799296

Table 67 - 40MHz Long Sequence Waveform Trial#13 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	55.5	7	1141.0	1621.0	0.813279
2	3	82.3	7	1685.0	1865.0	1.348835
3	2	64.8	15	1525.0	-	2.310042
4	1	55.5	16	-	-	3.389611
5	3	74.7	10	1763.0	1057.0	4.322083
6	1	96.7	11	-	-	5.904265
7	2	99.0	12	1023.0	-	6.488259
8	2	72.7	15	1830.0	-	7.198877
9	2	56.5	16	1248.0	-	8.846158
10	1	85.0	11	-	-	9.758284
11	2	95.8	6	1254.0	-	10.482767
12	1	54.7	5	-	-	11.685316

Table 68 - 40MHz Long Sequence Waveform Trial#14 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	68.8	12	1348.0	1204.0	0.303529
2	2	84.8	16	1028.0	-	1.632016
3	1	96.4	13	-	-	2.360794
4	2	75.6	7	1150.0	-	2.916513
5	1	86.4	16	-	-	4.458331
6	1	78.4	9	-	-	4.831894
7	3	58.5	18	1669.0	1107.0	6.071953
8	3	53.2	11	1357.0	1798.0	6.494135
9	1	65.9	15	-	-	8.259370
10	2	55.3	17	1735.0	-	8.382485
11	2	96.8	14	1978.0	-	9.459800
12	3	63.8	15	1406.0	1510.0	10.416156
13	1	92.4	9	-	-	11.344611

Table 69 - 40MHz Long Sequence Waveform Trial#15 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	94.0	15	-	-	0.204861
2	1	62.6	13	-	-	1.271213
3	1	67.1	15	-	-	1.716862
4	2	54.4	10	1573.0	-	3.385077
5	2	59.0	8	1232.0	-	3.658670
6	3	71.6	16	1938.0	1499.0	4.769409
7	2	81.6	17	1486.0	-	5.379723
8	3	91.4	7	1239.0	1189.0	6.406323
9	2	64.5	6	1858.0	-	7.270629
10	3	82.8	9	1466.0	1384.0	8.020003
11	3	54.8	16	1669.0	1485.0	8.947315
12	2	63.4	12	1413.0	-	9.798854
13	2	82.5	15	1319.0	-	10.411758
14	2	89.7	15	1649.0	-	11.609213

Table 70 - 40MHz Long Sequence Waveform Trial#16 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	87.3	6	1473.0	-	0.762893
2	3	89.1	18	1690.0	1247.0	1.902893
3	2	95.8	18	1034.0	-	3.187284
4	1	74.2	6	-	-	3.416739
5	2	78.1	9	1144.0	-	4.948117
6	2	88.4	10	1674.0	-	6.025381
7	2	80.1	15	1841.0	-	7.244601
8	2	66.6	12	1000.0	-	7.922737
9	2	60.7	11	1447.0	-	9.733801
10	2	89.6	15	1067.0	-	10.154296
11	3	55.1	12	1282.0	1267.0	11.037189

Table 71 - 40MHz Long Sequence Waveform Trial#17 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	62.0	19	-	-	0.317415
2	3	69.6	17	1969.0	1939.0	0.763961
3	1	69.0	11	-	-	1.612634
4	3	74.9	19	1432.0	1079.0	2.453251
5	2	56.4	11	1733.0	-	2.816735
6	2	95.2	7	1462.0	-	3.886862
7	1	92.8	16	-	-	4.429763
8	2	58.7	11	1297.0	-	5.327402
9	2	78.0	11	1091.0	-	5.722875
10	3	69.5	14	1431.0	1649.0	6.180602
11	2	90.0	12	1457.0	-	6.768469
12	3	64.6	17	1381.0	1124.0	7.713428
13	2	60.5	12	1402.0	-	8.135132
14	3	57.2	13	1340.0	1342.0	8.801687
15	1	84.2	5	-	-	9.739975
16	3	70.1	16	1060.0	1861.0	10.559436
17	2	96.6	6	1758.0	-	10.895880
18	1	57.5	12	-	-	11.607717

Table 72 - 40MHz Long Sequence Waveform Trial#18 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	85.2	16	1650.0	-	0.044778
2	3	59.3	15	1230.0	1800.0	1.055991
3	3	91.3	8	1812.0	1730.0	2.042976
4	2	95.7	6	1628.0	-	2.842366
5	1	63.4	13	-	-	4.131451
6	3	97.9	17	1210.0	1817.0	4.833322
7	2	90.7	13	1457.0	-	6.395476
8	2	95.3	15	1447.0	-	6.672108
9	3	87.8	11	1822.0	1590.0	8.208883
10	1	94.2	11	-	-	8.330415
11	1	81.9	8	-	-	10.052066
12	2	70.0	19	1687.0	-	10.404818

Table 72 - 40MHz Long Sequence Waveform Trial#18 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
13	1	73.1	12	-	-	11.396301

Table 73 - 40MHz Long Sequence Waveform Trial#19 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	75.0	15	-	-	0.630019
2	2	74.3	12	1820.0	-	1.050876
3	2	94.1	8	1448.0	-	1.626122
4	2	53.1	7	1149.0	-	2.478008
5	1	75.8	13	-	-	2.869612
6	1	84.5	20	-	-	3.347613
7	2	64.8	6	1180.0	-	4.154074
8	2	75.6	10	1971.0	-	4.628569
9	1	71.8	13	-	-	5.306809
10	3	81.3	17	1611.0	1462.0	6.061465
11	2	80.9	16	1959.0	-	6.874653
12	2	96.2	16	1490.0	-	6.969631
13	2	51.1	9	1063.0	-	7.610268
14	2	89.9	20	1798.0	-	8.750804
15	2	55.9	9	1810.0	-	8.888998
16	2	82.1	13	1832.0	-	10.064100
17	2	80.9	12	1229.0	-	10.734404
18	2	71.5	13	1010.0	-	10.880143
19	3	93.8	8	1714.0	1906.0	11.648545

Table 74 - 40MHz Long Sequence Waveform Trial#20 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	70.9	17	1078.0	-	0.390864
2	2	66.1	8	1640.0	-	0.888724
3	2	57.3	8	1974.0	-	1.300423
4	3	76.8	5	1887.0	1503.0	2.320827
5	1	53.2	14	-	-	2.968659
6	3	75.2	15	1062.0	1153.0	3.521999
7	2	80.7	11	1312.0	-	3.724926
8	1	56.8	19	-	-	4.265315
9	2	89.4	8	1592.0	-	5.368147
10	1	81.1	8	-	-	5.889768
11	2	65.7	17	1344.0	-	6.052998
12	1	51.4	8	-	-	6.832943
13	3	94.6	16	1458.0	1050.0	7.735876
14	3	90.8	13	1721.0	1771.0	8.141351
15	3	51.3	18	1289.0	1995.0	8.484346
16	2	90.9	16	1290.0	-	9.304143
17	3	72.5	5	1552.0	1930.0	9.995733
18	3	80.3	12	1968.0	1744.0	10.618339
19	1	50.9	20	-	-	10.918961
20	1	97.3	11	-	-	11.852472

Table 75 - 40MHz Long Sequence Waveform Trial#21 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	50.9	7	-	-	0.982116
2	2	93.1	13	1305.0	-	2.230804
3	2	56.1	13	1941.0	-	3.770079
4	2	53.9	7	1701.0	-	4.913605
5	2	52.9	13	1385.0	-	5.658681
6	2	83.1	17	1122.0	-	6.930973
7	2	94.3	20	1592.0	-	8.347924
8	1	63.0	12	-	-	10.086662
9	2	72.6	17	1440.0	-	11.356880

Table 76 - 40MHz Long Sequence Waveform Trial#22 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	76.0	19	1277.0	-	0.271307
2	3	85.2	19	1324.0	1558.0	1.839873
3	2	98.4	17	1785.0	-	2.060910
4	1	87.1	19	-	-	3.346494
5	1	98.7	12	-	-	4.225221
6	3	56.0	12	1898.0	1331.0	5.500587
7	1	68.4	8	-	-	6.328582
8	2	82.8	6	1058.0	-	7.052286
9	2	95.2	9	1533.0	-	7.443736
10	3	54.1	19	1456.0	1992.0	8.542311
11	3	84.8	19	1266.0	1610.0	9.350447
12	2	96.5	7	1706.0	-	10.470233
13	2	59.2	15	1862.0	-	11.163321

Table 77 - 40MHz Long Sequence Waveform Trial#23 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	92.7	10	1671.0	-	0.514017
2	2	91.4	12	1563.0	-	1.612100
3	1	69.3	11	-	-	2.761374
4	1	82.9	14	-	-	3.357803
5	1	86.4	8	-	-	4.364353
6	2	54.2	10	1437.0	-	5.334174
7	2	80.0	13	1593.0	-	6.405010
8	2	66.9	10	1712.0	-	7.329624
9	2	99.5	10	1234.0	-	7.859200
10	2	52.0	14	1397.0	-	8.815844
11	2	70.4	19	1987.0	-	9.967107
12	1	87.1	15	-	-	10.812380
13	1	56.4	13	-	-	11.108745

Table 78 - 40MHz Long Sequence Waveform Trial#24 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	76.7	19	1754.0	-	0.106958
2	3	51.5	10	1715.0	1249.0	1.250130
3	2	64.2	15	1004.0	-	1.977883
4	2	97.7	9	1046.0	-	2.460398
5	3	64.8	12	1413.0	1133.0	3.498002
6	1	77.5	11	-	-	3.794754
7	2	84.1	6	1507.0	-	4.566924
8	1	54.2	7	-	-	5.262482
9	2	87.3	18	1852.0	-	6.244995
10	2	85.2	7	1833.0	-	7.014187
11	3	55.5	7	1333.0	1292.0	7.552329
12	1	80.7	18	-	-	7.933618
13	1	75.0	6	-	-	9.116850
14	2	82.4	17	1250.0	-	9.425352
15	3	97.1	11	1677.0	1521.0	9.899202
16	2	58.9	6	1021.0	-	11.041500
17	2	68.3	9	1601.0	-	11.888812

Table 79 - 40MHz Long Sequence Waveform Trial#25 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	94.2	12	1022.0	-	0.764373
2	3	62.5	19	1318.0	1384.0	0.986135
3	3	97.6	13	1800.0	1482.0	2.533382
4	1	57.6	10	-	-	3.588507
5	3	88.5	14	1844.0	1762.0	4.525377
6	1	72.7	14	-	-	5.454401
7	1	52.8	5	-	-	6.256009
8	1	80.2	12	-	-	7.245063
9	1	83.1	7	-	-	7.440954
10	2	77.0	16	1224.0	-	9.056785
11	3	67.6	9	1891.0	1811.0	10.142781
12	2	53.8	15	1115.0	-	10.953061
13	3	97.4	17	1881.0	1351.0	11.744297

Table 80 - 40MHz Long Sequence Waveform Trial#26 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	84.8	15	1601.0	-	0.808564
2	2	91.7	18	1064.0	-	1.161607
3	1	83.1	19	-	-	2.474060
4	3	87.6	13	1786.0	1058.0	3.618813
5	2	63.0	7	1331.0	-	4.859708
6	2	98.1	20	1455.0	-	5.031817
7	2	74.0	19	1030.0	-	6.431324
8	1	79.1	10	-	-	7.215086
9	1	82.8	20	-	-	8.314052
10	1	96.3	8	-	-	9.771321
11	3	80.1	5	1787.0	1083.0	10.817894

Table 80 - 40MHz Long Sequence Waveform Trial#26 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
12	3	94.3	6	1675.0	1995.0	11.133927

Table 81 - 40MHz Long Sequence Waveform Trial#27 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	66.4	8	1563.0	1621.0	0.430213
2	2	62.4	9	1200.0	-	1.354304
3	2	77.0	15	1003.0	-	3.274445
4	1	90.4	8	-	-	4.724195
5	3	52.8	6	1118.0	1125.0	6.247806
6	2	96.6	14	1549.0	-	7.042320
7	3	93.7	11	1565.0	1530.0	9.320259
8	1	51.3	8	-	-	10.077981
9	2	96.1	16	1375.0	-	11.167741

Table 82 - 40MHz Long Sequence Waveform Trial#28 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	63.7	16	1990.0	1815.0	0.391355
2	2	69.8	14	1378.0	-	0.733810
3	1	92.8	14	-	-	1.974867
4	1	59.0	12	-	-	2.583240
5	3	76.9	11	1729.0	1738.0	3.255022
6	2	71.8	17	1910.0	-	3.714212
7	3	54.0	12	1947.0	1432.0	4.187755
8	2	61.1	19	1520.0	-	4.776597
9	2	57.8	15	1485.0	-	5.835419
10	2	96.5	6	1971.0	-	6.202259
11	1	54.7	8	-	-	7.005046
12	2	97.6	16	1073.0	-	7.377937
13	2	50.0	13	1731.0	-	8.154507
14	2	79.2	10	1849.0	-	9.162579
15	2	88.8	9	1137.0	-	9.597520
16	1	81.2	17	-	-	10.030604
17	2	77.8	10	1673.0	-	11.146028
18	3	68.2	18	1989.0	1762.0	11.902750

Table 83 - 40MHz Long Sequence Waveform Trial#29 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	57.8	5	1517.0	1238.0	0.014519
2	1	98.2	7	-	-	0.795447
3	2	63.1	10	1524.0	-	1.928630
4	3	81.1	6	1985.0	1809.0	2.228600
5	3	68.4	15	1270.0	1990.0	2.886564
6	2	65.6	8	1368.0	-	4.011093
7	1	98.8	11	-	-	4.449404
8	2	59.5	18	1329.0	-	5.366932
9	2	81.7	15	1189.0	-	5.868237

Table 83 - 40MHz Long Sequence Waveform Trial#29 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
10	2	82.1	8	1810.0	-	6.646221
11	1	60.1	15	-	-	7.407449
12	1	57.9	13	-	-	8.170595
13	2	68.6	19	1526.0	-	9.123293
14	3	90.4	6	1613.0	1031.0	9.250687
15	3	84.4	16	1095.0	1654.0	9.920218
16	2	71.8	13	1309.0	-	10.959053
17	1	74.8	10	-	-	11.662141

Table 84 - 40MHz Long Sequence Waveform Trial#30 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	68.1	19	-	-	1.010528
2	1	53.4	9	-	-	2.263670
3	3	53.3	12	1465.0	1550.0	3.667766
4	3	71.9	8	1974.0	1375.0	4.789604
5	3	80.9	15	1329.0	1258.0	6.043227
6	1	52.5	6	-	-	7.871840
7	1	89.5	15	-	-	9.044784
8	1	98.2	5	-	-	9.951213
9	3	95.4	9	1409.0	1282.0	11.578651

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5529.0MHz, -69.0dBm	Hop sequence: 5462, 5458, 5444, 5411, 5439, 5700, 5483, 5303, 5308, 5663, 5502, 5320, 5461, 5519, 5263, 5559, 5591, 5534, 5542, 5680, 5357, 5510, 5609, 5664, 5469, 5726, 5651, 5630, 5549, 5518, 5539, 5297, 5353, 5397, 5714, 5676, 5703, 5648, 5472, 5551, 5365, 5252, 5533, 5717, 5692, 5408, 5420, 5296, 5580, 5722, 5307, 5603, 5457, 5442, 5455, 5258, 5393, 5480, 5503, 5368, 5348, 5325, 5710, 5504, 5481, 5713, 5670, 5377, 5437, 5556, 5679, 5691, 5340, 5369, 5558, 5327, 5511, 5646, 5272, 5708, 5724, 5450, 5498, 5685, 5602, 5723, 5319, 5318, 5344, 5712, 5287, 5563, 5634, 5669, 5667, 5253, 5310, 5456, 5715, 5594 (8 hits) (04/15/2011 03:34:48 PM)
2	9	1.0	333.0	Yes	5530.0MHz, -69.0dBm	Hop sequence: 5541, 5673, 5354, 5303, 5670, 5705, 5438, 5268, 5508, 5586, 5568, 5651, 5472, 5516, 5533, 5385, 5532, 5493, 5694, 5570, 5519, 5634, 5639, 5542, 5277, 5574, 5721, 5372, 5594, 5522, 5317, 5664, 5561, 5584, 5485, 5259, 5350, 5331, 5332, 5326, 5374, 5692, 5629, 5324, 5504, 5286, 5642, 5252, 5498, 5256, 5549, 5595, 5479, 5526, 5575, 5318, 5545, 5578, 5355, 5607, 5612, 5524, 5377, 5336, 5441, 5680, 5427, 5390, 5688, 5683, 5648, 5349, 5643, 5367, 5563, 5276, 5443, 5405, 5552, 5614, 5417, 5402, 5627, 5633, 5534, 5630, 5455, 5598, 5298, 5663, 5253, 5637, 5577, 5613, 5280, 5451, 5395, 5278, 5401, 5351 (9 hits) (04/15/2011 03:34:56 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5490.0MHz, -69.0dBm	Hop sequence: 5706, 5495, 5562, 5719, 5540, 5533, 5400, 5600, 5702, 5518, 5491, 5611, 5587, 5623, 5274, 5312, 5693, 5654, 5345, 5674, 5553, 5605, 5482, 5597, 5598, 5459, 5589, 5584, 5488, 5549, 5325, 5267, 5437, 5550, 5676, 5458, 5542, 5678, 5615, 5297, 5315, 5358, 5387, 5261, 5551, 5617, 5434, 5376, 5716, 5287, 5406, 5380, 5401, 5262, 5279, 5480, 5299, 5498, 5256, 5423, 5635, 5675, 5708, 5603, 5289, 5497, 5566, 5651, 5722, 5366, 5581, 5466, 5442, 5413, 5382, 5547, 5627, 5721, 5624, 5324, 5601, 5704, 5539, 5613, 5410, 5614, 5457, 5580, 5658, 5268, 5266, 5472, 5622, 5478, 5403, 5250, 5350, 5691, 5660, 5713 (5 hits) (04/15/2011 03:35:04 PM)
4	9	1.0	333.0	Yes	5491.0MHz, -69.0dBm	Hop sequence: 5485, 5337, 5285, 5665, 5482, 5640, 5387, 5403, 5296, 5483, 5390, 5488, 5357, 5448, 5523, 5709, 5599, 5425, 5422, 5570, 5561, 5694, 5647, 5278, 5609, 5312, 5497, 5682, 5511, 5341, 5325, 5375, 5349, 5310, 5569, 5696, 5480, 5256, 5555, 5526, 5366, 5360, 5549, 5334, 5520, 5678, 5538, 5519, 5456, 5322, 5466, 5686, 5326, 5297, 5484, 5532, 5596, 5597, 5464, 5660, 5631, 5544, 5406, 5414, 5724, 5408, 5440, 5621, 5332, 5620, 5260, 5374, 5477, 5489, 5585, 5557, 5600, 5400, 5563, 5459, 5713, 5675, 5412, 5541, 5577, 5618, 5282, 5284, 5717, 5613, 5494, 5255, 5679, 5711, 5521, 5651, 5328, 5518, 5546, 5666 (9 hits) (04/15/2011 03:35:12 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
5	9	1.0	333.0	Yes	5492.0MHz, -69.0dBm	Hop sequence: 5366, 5631, 5498, 5646, 5401, 5303, 5438, 5699, 5280, 5563, 5479, 5268, 5292, 5552, 5497, 5460, 5313, 5553, 5453, 5300, 5352, 5407, 5640, 5403, 5484, 5270, 5380, 5582, 5643, 5543, 5671, 5336, 5443, 5649, 5639, 5264, 5288, 5338, 5705, 5257, 5589, 5410, 5642, 5717, 5299, 5488, 5432, 5538, 5342, 5585, 5662, 5267, 5598, 5252, 5420, 5374, 5676, 5251, 5482, 5324, 5541, 5419, 5477, 5370, 5667, 5524, 5320, 5652, 5723, 5368, 5271, 5382, 5603, 5328, 5436, 5533, 5675, 5565, 5656, 5616, 5569, 5276, 5437, 5448, 5346, 5444, 5383, 5527, 5297, 5647, 5693, 5430, 5258, 5596, 5612, 5344, 5645, 5456, 5700, 5333 (4 hits) (04/15/2011 03:35:20 PM)
6	9	1.0	333.0	Yes	5493.0MHz, -69.0dBm	Hop sequence: 5273, 5714, 5658, 5484, 5307, 5475, 5503, 5379, 5518, 5530, 5496, 5587, 5472, 5253, 5419, 5571, 5513, 5711, 5251, 5401, 5606, 5335, 5678, 5306, 5625, 5456, 5312, 5457, 5499, 5560, 5330, 5680, 5363, 5261, 5459, 5328, 5381, 5532, 5512, 5467, 5289, 5588, 5685, 5572, 5628, 5480, 5549, 5579, 5417, 5555, 5340, 5337, 5674, 5474, 5535, 5358, 5688, 5646, 5636, 5585, 5609, 5675, 5722, 5536, 5629, 5359, 5377, 5578, 5455, 5407, 5677, 5331, 5476, 5616, 5321, 5697, 5292, 5431, 5448, 5666, 5411, 5669, 5649, 5584, 5278, 5647, 5380, 5478, 5389, 5290, 5559, 5258, 5404, 5279, 5405, 5637, 5449, 5466, 5624, 5479 (7 hits) (04/15/2011 03:35:27 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
7	9	1.0	333.0	Yes	5494.0MHz, -69.0dBm	Hop sequence: 5671, 5654, 5543, 5626, 5508, 5337, 5385, 5622, 5725, 5689, 5296, 5287, 5658, 5319, 5345, 5700, 5406, 5507, 5257, 5322, 5571, 5321, 5628, 5317, 5551, 5621, 5657, 5362, 5423, 5268, 5649, 5565, 5656, 5662, 5652, 5527, 5255, 5721, 5272, 5288, 5307, 5562, 5480, 5593, 5417, 5252, 5614, 5339, 5542, 5328, 5703, 5280, 5604, 5476, 5672, 5402, 5442, 5533, 5625, 5263, 5512, 5264, 5568, 5561, 5598, 5304, 5360, 5697, 5537, 5379, 5511, 5552, 5554, 5553, 5401, 5643, 5269, 5473, 5302, 5398, 5677, 5266, 5394, 5303, 5487, 5560, 5681, 5415, 5504, 5694, 5429, 5570, 5331, 5683, 5324, 5314, 5466, 5686, 5278, 5430 (6 hits) (04/15/2011 03:35:34 PM)
8	9	1.0	333.0	Yes	5495.0MHz, -69.0dBm	Hop sequence: 5693, 5699, 5330, 5266, 5562, 5519, 5705, 5560, 5692, 5428, 5698, 5280, 5570, 5415, 5427, 5460, 5636, 5717, 5416, 5589, 5483, 5660, 5354, 5536, 5633, 5675, 5263, 5513, 5647, 5326, 5252, 5452, 5319, 5678, 5485, 5474, 5285, 5501, 5614, 5455, 5289, 5702, 5668, 5457, 5511, 5651, 5491, 5324, 5389, 5405, 5583, 5440, 5317, 5542, 5473, 5482, 5393, 5557, 5530, 5302, 5597, 5686, 5375, 5395, 5670, 5626, 5696, 5295, 5503, 5724, 5468, 5499, 5579, 5553, 5622, 5575, 5448, 5409, 5444, 5489, 5418, 5644, 5327, 5578, 5384, 5262, 5572, 5253, 5658, 5492, 5478, 5362, 5537, 5674, 5594, 5331, 5664, 5306, 5470, 5621 (9 hits) (04/15/2011 03:35:42 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
9	9	1.0	333.0	Yes	5496.0MHz, -69.0dBm	Hop sequence: 5447, 5397, 5658, 5643, 5293, 5656, 5633, 5395, 5533, 5263, 5464, 5255, 5629, 5423, 5472, 5476, 5623, 5443, 5435, 5297, 5654, 5321, 5378, 5724, 5688, 5462, 5301, 5357, 5577, 5442, 5347, 5511, 5491, 5375, 5624, 5266, 5454, 5338, 5403, 5637, 5413, 5537, 5467, 5343, 5311, 5601, 5414, 5653, 5719, 5593, 5690, 5425, 5419, 5548, 5619, 5383, 5278, 5256, 5568, 5261, 5526, 5573, 5359, 5374, 5539, 5698, 5721, 5603, 5252, 5483, 5645, 5678, 5518, 5514, 5295, 5411, 5318, 5487, 5697, 5373, 5682, 5392, 5272, 5465, 5436, 5597, 5463, 5432, 5365, 5270, 5455, 5644, 5349, 5660, 5353, 5584, 5336, 5547, 5585, 5615 (5 hits) (04/15/2011 03:35:50 PM)
10	9	1.0	333.0	Yes	5497.0MHz, -69.0dBm	Hop sequence: 5450, 5432, 5544, 5354, 5312, 5665, 5461, 5327, 5381, 5325, 5573, 5460, 5418, 5502, 5685, 5305, 5435, 5299, 5525, 5491, 5493, 5689, 5306, 5518, 5666, 5463, 5645, 5558, 5360, 5678, 5298, 5481, 5621, 5575, 5498, 5609, 5643, 5287, 5357, 5531, 5314, 5718, 5546, 5410, 5624, 5277, 5320, 5533, 5358, 5570, 5529, 5563, 5601, 5644, 5449, 5415, 5484, 5349, 5538, 5504, 5251, 5341, 5591, 5259, 5254, 5699, 5359, 5270, 5468, 5416, 5260, 5673, 5304, 5313, 5319, 5353, 5628, 5709, 5694, 5676, 5634, 5548, 5457, 5691, 5351, 5394, 5616, 5701, 5352, 5602, 5297, 5508, 5725, 5464, 5345, 5713, 5715, 5597, 5388, 5486 (9 hits) (04/15/2011 03:35:59 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
11	9	1.0	333.0	Yes	5498.0MHz, -69.0dBm	Hop sequence: 5254, 5512, 5669, 5634, 5491, 5565, 5362, 5424, 5381, 5271, 5444, 5317, 5332, 5294, 5343, 5259, 5493, 5435, 5709, 5302, 5604, 5545, 5684, 5520, 5283, 5412, 5389, 5642, 5671, 5390, 5607, 5490, 5516, 5559, 5593, 5276, 5282, 5325, 5280, 5573, 5561, 5449, 5513, 5430, 5396, 5457, 5690, 5665, 5320, 5663, 5707, 5598, 5418, 5378, 5440, 5635, 5295, 5712, 5272, 5705, 5425, 5476, 5252, 5327, 5286, 5581, 5558, 5549, 5632, 5699, 5483, 5398, 5567, 5660, 5356, 5527, 5648, 5428, 5681, 5600, 5355, 5264, 5721, 5605, 5284, 5630, 5698, 5318, 5251, 5357, 5576, 5484, 5281, 5586, 5468, 5434, 5485, 5293, 5312, 5584 (8 hits) (04/15/2011 03:36:08 PM)
12	9	1.0	333.0	Yes	5499.0MHz, -69.0dBm	Hop sequence: 5274, 5662, 5482, 5382, 5412, 5385, 5521, 5284, 5713, 5699, 5318, 5362, 5676, 5439, 5636, 5680, 5633, 5686, 5461, 5310, 5711, 5710, 5678, 5582, 5669, 5271, 5715, 5681, 5520, 5257, 5266, 5462, 5558, 5638, 5687, 5721, 5499, 5658, 5431, 5451, 5419, 5436, 5626, 5670, 5507, 5465, 5273, 5435, 5401, 5682, 5577, 5437, 5695, 5672, 5491, 5261, 5388, 5386, 5398, 5632, 5514, 5592, 5459, 5508, 5698, 5289, 5712, 5399, 5644, 5383, 5685, 5503, 5278, 5328, 5414, 5445, 5351, 5591, 5348, 5291, 5625, 5501, 5608, 5598, 5477, 5416, 5372, 5311, 5404, 5615, 5254, 5466, 5525, 5660, 5324, 5448, 5458, 5418, 5600, 5504 (11 hits) (04/15/2011 03:36:15 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5500.0MHz, -69.0dBm	Hop sequence: 5318, 5319, 5638, 5343, 5624, 5599, 5595, 5504, 5426, 5657, 5635, 5313, 5348, 5520, 5567, 5617, 5550, 5725, 5602, 5388, 5366, 5331, 5373, 5667, 5472, 5264, 5296, 5524, 5327, 5614, 5724, 5485, 5465, 5413, 5376, 5474, 5680, 5708, 5402, 5468, 5688, 5562, 5590, 5695, 5527, 5578, 5676, 5410, 5471, 5505, 5487, 5411, 5391, 5446, 5705, 5565, 5251, 5379, 5334, 5613, 5392, 5339, 5294, 5338, 5589, 5496, 5583, 5442, 5661, 5274, 5450, 5349, 5288, 5352, 5357, 5588, 5663, 5257, 5292, 5596, 5538, 5269, 5346, 5654, 5290, 5282, 5535, 5424, 5580, 5612, 5715, 5523, 5252, 5483, 5438, 5460, 5256, 5716, 5691, 5629 (7 hits) (04/15/2011 03:36:26 PM)
14	9	1.0	333.0	Yes	5501.0MHz, -69.0dBm	Hop sequence: 5536, 5381, 5316, 5508, 5583, 5257, 5355, 5346, 5428, 5386, 5462, 5546, 5634, 5715, 5435, 5677, 5458, 5621, 5652, 5558, 5497, 5534, 5455, 5427, 5271, 5607, 5376, 5430, 5547, 5637, 5711, 5724, 5504, 5596, 5302, 5638, 5687, 5526, 5383, 5279, 5658, 5492, 5531, 5320, 5365, 5603, 5380, 5334, 5297, 5403, 5394, 5606, 5294, 5467, 5487, 5440, 5472, 5509, 5447, 5425, 5318, 5286, 5604, 5460, 5419, 5522, 5442, 5432, 5532, 5512, 5446, 5426, 5654, 5503, 5438, 5398, 5666, 5533, 5378, 5349, 5559, 5445, 5384, 5683, 5309, 5557, 5486, 5390, 5633, 5372, 5555, 5254, 5289, 5500, 5377, 5337, 5424, 5516, 5303, 5545 (11 hits) (04/15/2011 03:36:33 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
15	9	1.0	333.0	Yes	5502.0MHz, -69.0dBm	Hop sequence: 5614, 5492, 5419, 5326, 5311, 5567, 5575, 5365, 5669, 5533, 5558, 5338, 5549, 5295, 5277, 5378, 5363, 5477, 5707, 5592, 5580, 5665, 5546, 5509, 5252, 5493, 5394, 5667, 5258, 5647, 5427, 5689, 5624, 5532, 5714, 5396, 5529, 5542, 5302, 5577, 5518, 5686, 5538, 5503, 5716, 5678, 5328, 5517, 5440, 5601, 5460, 5420, 5261, 5514, 5306, 5374, 5521, 5709, 5570, 5673, 5325, 5677, 5334, 5381, 5643, 5397, 5433, 5475, 5362, 5346, 5255, 5399, 5723, 5442, 5562, 5463, 5663, 5605, 5508, 5524, 5553, 5566, 5426, 5561, 5717, 5462, 5676, 5354, 5312, 5534, 5473, 5471, 5448, 5348, 5571, 5595, 5260, 5664, 5456, 5496 (12 hits) (04/15/2011 03:36:40 PM)
16	9	1.0	333.0	Yes	5503.0MHz, -69.0dBm	Hop sequence: 5316, 5388, 5605, 5450, 5253, 5673, 5699, 5366, 5523, 5565, 5608, 5476, 5552, 5460, 5451, 5590, 5251, 5269, 5601, 5693, 5507, 5691, 5282, 5467, 5560, 5348, 5299, 5704, 5668, 5464, 5283, 5664, 5344, 5647, 5287, 5394, 5532, 5389, 5656, 5335, 5340, 5628, 5720, 5462, 5367, 5610, 5627, 5681, 5448, 5447, 5498, 5519, 5706, 5392, 5265, 5643, 5365, 5573, 5644, 5609, 5645, 5514, 5328, 5479, 5312, 5410, 5536, 5481, 5592, 5471, 5679, 5510, 5580, 5321, 5556, 5337, 5430, 5401, 5357, 5531, 5603, 5300, 5633, 5549, 5695, 5649, 5629, 5379, 5414, 5503, 5402, 5252, 5712, 5562, 5658, 5425, 5524, 5445, 5408, 5508 (9 hits) (04/15/2011 03:36:48 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
17	9	1.0	333.0	Yes	5504.0MHz, -69.0dBm	Hop sequence: 5394, 5617, 5657, 5604, 5693, 5697, 5374, 5613, 5600, 5515, 5560, 5375, 5637, 5283, 5343, 5594, 5520, 5695, 5512, 5675, 5362, 5476, 5615, 5592, 5589, 5503, 5313, 5257, 5528, 5366, 5406, 5423, 5464, 5321, 5584, 5446, 5660, 5274, 5635, 5681, 5500, 5618, 5574, 5389, 5619, 5414, 5449, 5601, 5270, 5435, 5650, 5639, 5376, 5674, 5267, 5598, 5377, 5320, 5561, 5277, 5642, 5259, 5501, 5358, 5506, 5490, 5666, 5629, 5382, 5499, 5350, 5603, 5685, 5644, 5531, 5556, 5624, 5676, 5256, 5276, 5621, 5371, 5582, 5612, 5295, 5671, 5424, 5474, 5726, 5605, 5652, 5539, 5263, 5348, 5346, 5551, 5268, 5333, 5439, 5430 (10 hits) (04/15/2011 03:36:55 PM)
18	9	1.0	333.0	Yes	5505.0MHz, -69.0dBm	Hop sequence: 5433, 5365, 5456, 5532, 5298, 5591, 5519, 5541, 5718, 5462, 5508, 5492, 5619, 5290, 5620, 5498, 5269, 5317, 5263, 5475, 5272, 5674, 5560, 5705, 5374, 5289, 5556, 5513, 5675, 5664, 5547, 5484, 5530, 5637, 5638, 5420, 5569, 5346, 5531, 5308, 5302, 5426, 5310, 5702, 5278, 5338, 5628, 5276, 5564, 5410, 5543, 5303, 5256, 5385, 5641, 5561, 5593, 5707, 5506, 5624, 5546, 5397, 5634, 5264, 5487, 5523, 5254, 5455, 5436, 5635, 5452, 5489, 5585, 5684, 5354, 5305, 5399, 5424, 5709, 5598, 5275, 5311, 5473, 5710, 5528, 5260, 5612, 5500, 5575, 5639, 5636, 5555, 5326, 5447, 5382, 5579, 5281, 5509, 5380, 5345 (11 hits) (04/15/2011 03:39:03 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
19	9	1.0	333.0	Yes	5506.0MHz, -69.0dBm	Hop sequence: 5312, 5467, 5603, 5506, 5348, 5694, 5440, 5657, 5633, 5431, 5468, 5302, 5482, 5399, 5393, 5329, 5408, 5609, 5619, 5707, 5504, 5631, 5556, 5534, 5501, 5361, 5377, 5503, 5478, 5437, 5678, 5683, 5365, 5479, 5378, 5296, 5701, 5452, 5491, 5415, 5533, 5350, 5372, 5554, 5551, 5273, 5465, 5667, 5526, 5398, 5379, 5288, 5558, 5628, 5716, 5347, 5520, 5711, 5391, 5522, 5720, 5386, 5334, 5370, 5392, 5267, 5724, 5493, 5524, 5442, 5320, 5725, 5708, 5500, 5664, 5573, 5427, 5643, 5419, 5655, 5420, 5686, 5662, 5567, 5639, 5648, 5692, 5528, 5395, 5502, 5677, 5508, 5403, 5518, 5680, 5673, 5665, 5333, 5721, 5260 (15 hits) (04/15/2011 03:39:12 PM)
20	9	1.0	333.0	Yes	5507.0MHz, -69.0dBm	Hop sequence: 5422, 5435, 5646, 5468, 5424, 5442, 5250, 5583, 5326, 5701, 5255, 5620, 5510, 5393, 5648, 5312, 5570, 5475, 5562, 5308, 5438, 5721, 5460, 5689, 5513, 5707, 5321, 5542, 5663, 5298, 5293, 5367, 5385, 5708, 5456, 5335, 5566, 5470, 5276, 5467, 5532, 5574, 5678, 5676, 5718, 5581, 5530, 5332, 5649, 5681, 5305, 5256, 5374, 5316, 5266, 5443, 5571, 5406, 5706, 5455, 5477, 5388, 5636, 5614, 5301, 5563, 5602, 5358, 5448, 5262, 5492, 5660, 5449, 5409, 5481, 5616, 5705, 5594, 5651, 5691, 5411, 5554, 5494, 5371, 5584, 5590, 5598, 5657, 5488, 5686, 5334, 5368, 5304, 5593, 5260, 5561, 5382, 5252, 5427, 5623 (5 hits) (04/15/2011 03:39:20 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
21	9	1.0	333.0	Yes	5508.0MHz, -69.0dBm	Hop sequence: 5588, 5297, 5275, 5465, 5514, 5414, 5254, 5661, 5301, 5646, 5401, 5637, 5714, 5669, 5547, 5376, 5326, 5662, 5657, 5505, 5498, 5386, 5375, 5536, 5469, 5271, 5517, 5715, 5438, 5293, 5419, 5484, 5387, 5582, 5315, 5530, 5638, 5347, 5285, 5545, 5673, 5395, 5676, 5463, 5338, 5455, 5487, 5453, 5564, 5381, 5489, 5290, 5460, 5450, 5267, 5321, 5516, 5509, 5663, 5651, 5541, 5533, 5436, 5273, 5473, 5306, 5456, 5259, 5551, 5349, 5433, 5499, 5502, 5467, 5268, 5417, 5687, 5655, 5726, 5486, 5416, 5688, 5540, 5596, 5702, 5406, 5522, 5620, 5276, 5680, 5330, 5600, 5357, 5619, 5298, 5296, 5592, 5379, 5252, 5611 (10 hits) (04/15/2011 03:39:27 PM)
22	9	1.0	333.0	Yes	5509.0MHz, -69.0dBm	Hop sequence: 5632, 5293, 5647, 5375, 5516, 5367, 5456, 5300, 5416, 5496, 5294, 5650, 5457, 5615, 5409, 5344, 5287, 5272, 5627, 5506, 5677, 5273, 5297, 5405, 5345, 5620, 5377, 5600, 5492, 5286, 5321, 5557, 5450, 5333, 5671, 5646, 5640, 5555, 5669, 5515, 5652, 5304, 5636, 5265, 5596, 5509, 5672, 5289, 5268, 5262, 5517, 5692, 5523, 5401, 5318, 5594, 5353, 5313, 5522, 5404, 5363, 5633, 5428, 5699, 5497, 5643, 5616, 5519, 5704, 5413, 5359, 5400, 5687, 5408, 5469, 5275, 5725, 5407, 5589, 5623, 5475, 5397, 5580, 5617, 5527, 5488, 5389, 5705, 5473, 5551, 5606, 5302, 5585, 5546, 5498, 5612, 5471, 5587, 5264, 5607 (13 hits) (04/15/2011 03:39:41 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5510.0MHz, -69.0dBm	Hop sequence: 5565, 5265, 5581, 5504, 5647, 5462, 5276, 5386, 5674, 5625, 5339, 5601, 5536, 5351, 5289, 5335, 5586, 5403, 5450, 5698, 5592, 5556, 5291, 5427, 5564, 5363, 5568, 5297, 5280, 5677, 5500, 5431, 5712, 5544, 5437, 5541, 5612, 5709, 5492, 5430, 5400, 5320, 5337, 5269, 5279, 5689, 5477, 5539, 5534, 5606, 5300, 5684, 5451, 5670, 5398, 5388, 5519, 5676, 5572, 5720, 5313, 5344, 5467, 5417, 5706, 5333, 5682, 5506, 5332, 5428, 5376, 5384, 5336, 5349, 5414, 5379, 5637, 5432, 5360, 5663, 5306, 5514, 5557, 5424, 5656, 5294, 5705, 5623, 5389, 5538, 5440, 5272, 5714, 5331, 5444, 5509, 5681, 5493, 5697, 5512 (9 hits) (04/15/2011 03:39:52 PM)
24	9	1.0	333.0	Yes	5511.0MHz, -69.0dBm	Hop sequence: 5250, 5355, 5724, 5535, 5360, 5619, 5269, 5574, 5301, 5443, 5511, 5394, 5265, 5313, 5369, 5569, 5583, 5400, 5491, 5286, 5591, 5404, 5665, 5428, 5656, 5707, 5392, 5267, 5482, 5639, 5517, 5686, 5570, 5399, 5283, 5536, 5304, 5348, 5703, 5498, 5398, 5628, 5682, 5667, 5525, 5261, 5529, 5528, 5556, 5382, 5684, 5714, 5321, 5568, 5451, 5590, 5643, 5414, 5311, 5420, 5287, 5352, 5587, 5364, 5699, 5397, 5637, 5725, 5633, 5358, 5450, 5274, 5720, 5607, 5572, 5405, 5330, 5316, 5402, 5310, 5695, 5691, 5534, 5561, 5539, 5359, 5506, 5401, 5573, 5679, 5322, 5367, 5531, 5424, 5309, 5702, 5437, 5673, 5700, 5553 (8 hits) (04/15/2011 03:39:59 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
25	9	1.0	333.0	Yes	5512.0MHz, -69.0dBm	Hop sequence: 5548, 5556, 5285, 5457, 5386, 5521, 5346, 5475, 5650, 5716, 5396, 5520, 5528, 5325, 5703, 5290, 5406, 5363, 5600, 5537, 5682, 5550, 5364, 5466, 5276, 5271, 5615, 5267, 5375, 5458, 5605, 5446, 5646, 5349, 5695, 5417, 5348, 5699, 5295, 5427, 5652, 5593, 5507, 5302, 5525, 5269, 5388, 5340, 5389, 5540, 5670, 5472, 5564, 5454, 5438, 5499, 5252, 5491, 5530, 5651, 5429, 5377, 5291, 5621, 5632, 5546, 5366, 5516, 5289, 5592, 5486, 5514, 5341, 5261, 5445, 5298, 5661, 5478, 5345, 5604, 5541, 5335, 5482, 5355, 5409, 5626, 5391, 5436, 5331, 5687, 5625, 5323, 5566, 5518, 5473, 5522, 5450, 5278, 5595, 5315 (12 hits) (04/15/2011 03:40:05 PM)
26	9	1.0	333.0	Yes	5513.0MHz, -69.0dBm	Hop sequence: 5455, 5669, 5539, 5275, 5358, 5715, 5505, 5491, 5350, 5405, 5471, 5341, 5272, 5684, 5456, 5692, 5430, 5574, 5616, 5328, 5525, 5469, 5681, 5674, 5560, 5424, 5650, 5439, 5631, 5372, 5288, 5339, 5667, 5658, 5678, 5383, 5336, 5598, 5498, 5507, 5490, 5463, 5595, 5396, 5321, 5390, 5301, 5319, 5431, 5503, 5428, 5701, 5260, 5579, 5417, 5686, 5280, 5292, 5703, 5705, 5605, 5487, 5673, 5445, 5486, 5621, 5698, 5477, 5618, 5671, 5722, 5640, 5494, 5426, 5410, 5675, 5367, 5694, 5710, 5287, 5256, 5496, 5379, 5538, 5648, 5639, 5401, 5343, 5356, 5697, 5652, 5452, 5402, 5406, 5423, 5289, 5388, 5442, 5251, 5484 (9 hits) (04/15/2011 03:40:13 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
27	9	1.0	333.0	Yes	5514.0MHz, -69.0dBm	Hop sequence: 5318, 5581, 5570, 5675, 5276, 5515, 5506, 5384, 5710, 5645, 5565, 5336, 5601, 5558, 5312, 5588, 5444, 5695, 5578, 5365, 5412, 5387, 5617, 5703, 5613, 5723, 5369, 5639, 5424, 5362, 5499, 5548, 5622, 5400, 5678, 5293, 5677, 5454, 5475, 5256, 5576, 5689, 5599, 5307, 5598, 5674, 5503, 5323, 5477, 5401, 5282, 5405, 5536, 5407, 5673, 5295, 5445, 5442, 5556, 5406, 5377, 5345, 5591, 5657, 5426, 5671, 5469, 5681, 5544, 5324, 5511, 5637, 5693, 5352, 5320, 5630, 5396, 5251, 5332, 5472, 5609, 5568, 5268, 5619, 5486, 5485, 5267, 5514, 5402, 5311, 5347, 5717, 5641, 5520, 5380, 5659, 5292, 5300, 5491, 5686 (8 hits) (04/15/2011 03:40:20 PM)
28	9	1.0	333.0	Yes	5515.0MHz, -69.0dBm	Hop sequence: 5391, 5579, 5528, 5697, 5484, 5323, 5354, 5682, 5382, 5513, 5573, 5721, 5655, 5502, 5700, 5574, 5487, 5555, 5410, 5567, 5469, 5339, 5336, 5426, 5583, 5462, 5620, 5345, 5374, 5685, 5338, 5600, 5693, 5662, 5650, 5360, 5474, 5308, 5686, 5576, 5684, 5496, 5492, 5556, 5463, 5395, 5533, 5506, 5257, 5678, 5472, 5521, 5428, 5440, 5398, 5256, 5432, 5477, 5538, 5295, 5318, 5448, 5363, 5284, 5471, 5330, 5578, 5480, 5517, 5450, 5601, 5558, 5636, 5461, 5375, 5404, 5282, 5630, 5443, 5704, 5597, 5316, 5370, 5379, 5288, 5378, 5264, 5304, 5648, 5290, 5324, 5563, 5709, 5439, 5347, 5626, 5586, 5303, 5386, 5515 (9 hits) (04/15/2011 03:40:27 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
29	9	1.0	333.0	Yes	5516.0MHz, -69.0dBm	Hop sequence: 5719, 5660, 5513, 5478, 5342, 5545, 5606, 5607, 5628, 5653, 5448, 5663, 5720, 5460, 5669, 5706, 5496, 5610, 5394, 5501, 5675, 5538, 5656, 5715, 5378, 5345, 5692, 5380, 5721, 5505, 5645, 5411, 5674, 5341, 5657, 5290, 5385, 5687, 5664, 5263, 5270, 5255, 5526, 5599, 5510, 5481, 5483, 5620, 5314, 5495, 5539, 5438, 5707, 5704, 5262, 5697, 5646, 5405, 5359, 5279, 5466, 5436, 5338, 5648, 5488, 5369, 5712, 5431, 5343, 5581, 5328, 5317, 5289, 5550, 5266, 5673, 5573, 5718, 5608, 5309, 5415, 5435, 5459, 5306, 5708, 5355, 5522, 5604, 5462, 5305, 5549, 5598, 5389, 5693, 5514, 5379, 5417, 5672, 5537, 5444 (9 hits) (04/15/2011 03:40:36 PM)
30	9	1.0	333.0	Yes	5517.0MHz, -69.0dBm	Hop sequence: 5481, 5335, 5423, 5434, 5586, 5422, 5677, 5597, 5356, 5378, 5490, 5701, 5587, 5254, 5462, 5424, 5537, 5533, 5312, 5531, 5633, 5589, 5615, 5726, 5487, 5565, 5458, 5387, 5461, 5400, 5386, 5373, 5670, 5642, 5475, 5719, 5637, 5376, 5700, 5375, 5678, 5388, 5579, 5687, 5262, 5683, 5648, 5663, 5280, 5318, 5689, 5326, 5604, 5690, 5520, 5421, 5710, 5447, 5492, 5619, 5269, 5303, 5666, 5722, 5403, 5653, 5351, 5401, 5345, 5358, 5518, 5273, 5582, 5353, 5291, 5293, 5453, 5675, 5538, 5408, 5672, 5410, 5438, 5483, 5509, 5506, 5638, 5698, 5349, 5512, 5323, 5493, 5276, 5258, 5543, 5435, 5572, 5366, 5283, 5331 (8 hits) (04/15/2011 03:40:42 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
31	9	1.0	333.0	Yes	5518.0MHz, -69.0dBm	Hop sequence: 5488, 5566, 5382, 5303, 5563, 5634, 5331, 5300, 5275, 5548, 5568, 5267, 5612, 5722, 5397, 5530, 5314, 5661, 5276, 5454, 5491, 5379, 5627, 5693, 5475, 5567, 5443, 5589, 5486, 5401, 5609, 5631, 5423, 5585, 5721, 5645, 5648, 5544, 5692, 5445, 5680, 5525, 5442, 5355, 5295, 5367, 5301, 5652, 5556, 5402, 5263, 5699, 5458, 5628, 5630, 5484, 5450, 5487, 5356, 5467, 5372, 5520, 5469, 5426, 5559, 5325, 5608, 5319, 5611, 5637, 5466, 5334, 5361, 5507, 5308, 5438, 5344, 5694, 5490, 5479, 5604, 5464, 5360, 5626, 5471, 5299, 5575, 5587, 5440, 5338, 5704, 5553, 5497, 5657, 5717, 5527, 5359, 5333, 5405, 5353 (8 hits) (04/15/2011 03:40:49 PM)
32	9	1.0	333.0	Yes	5519.0MHz, -69.0dBm	Hop sequence: 5416, 5696, 5309, 5326, 5304, 5262, 5705, 5382, 5482, 5672, 5258, 5561, 5497, 5335, 5350, 5551, 5568, 5419, 5413, 5305, 5577, 5266, 5614, 5529, 5503, 5481, 5589, 5474, 5623, 5543, 5625, 5698, 5538, 5631, 5520, 5469, 5381, 5383, 5537, 5449, 5401, 5661, 5307, 5278, 5533, 5272, 5450, 5637, 5308, 5477, 5282, 5370, 5716, 5403, 5468, 5420, 5574, 5587, 5650, 5479, 5463, 5546, 5633, 5445, 5681, 5412, 5269, 5519, 5639, 5322, 5435, 5253, 5536, 5515, 5678, 5504, 5436, 5655, 5364, 5457, 5459, 5676, 5510, 5597, 5578, 5336, 5700, 5556, 5447, 5470, 5404, 5594, 5319, 5430, 5294, 5338, 5489, 5374, 5372, 5387 (8 hits) (04/15/2011 03:41:57 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5520.0MHz, -69.0dBm	Hop sequence: 5303, 5675, 5482, 5555, 5355, 5282, 5304, 5407, 5672, 5486, 5494, 5679, 5624, 5708, 5559, 5516, 5525, 5252, 5520, 5722, 5283, 5544, 5487, 5582, 5379, 5567, 5707, 5639, 5723, 5510, 5652, 5370, 5655, 5462, 5326, 5363, 5543, 5507, 5536, 5380, 5376, 5468, 5489, 5431, 5646, 5251, 5514, 5432, 5291, 5476, 5254, 5371, 5553, 5300, 5696, 5272, 5665, 5499, 5629, 5258, 5691, 5307, 5585, 5451, 5261, 5657, 5450, 5711, 5554, 5613, 5322, 5632, 5661, 5401, 5467, 5338, 5312, 5580, 5701, 5463, 5575, 5601, 5535, 5329, 5634, 5402, 5391, 5686, 5301, 5603, 5720, 5394, 5625, 5681, 5443, 5704, 5530, 5685, 5721, 5579 (9 hits) (04/15/2011 03:42:04 PM)
34	9	1.0	333.0	Yes	5521.0MHz, -69.0dBm	Hop sequence: 5393, 5701, 5617, 5305, 5412, 5650, 5686, 5481, 5639, 5717, 5629, 5345, 5374, 5642, 5306, 5410, 5682, 5290, 5425, 5347, 5512, 5390, 5628, 5684, 5316, 5615, 5446, 5579, 5277, 5458, 5678, 5568, 5677, 5338, 5658, 5653, 5377, 5279, 5666, 5271, 5431, 5586, 5680, 5589, 5706, 5561, 5355, 5460, 5622, 5620, 5313, 5329, 5667, 5478, 5580, 5616, 5659, 5330, 5379, 5261, 5308, 5469, 5430, 5648, 5442, 5600, 5311, 5493, 5373, 5681, 5576, 5326, 5324, 5530, 5395, 5614, 5408, 5525, 5645, 5584, 5414, 5421, 5541, 5618, 5575, 5359, 5715, 5385, 5288, 5452, 5695, 5664, 5649, 5417, 5535, 5402, 5471, 5467, 5482, 5656 (4 hits) (04/15/2011 03:42:26 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
35	9	1.0	333.0	Yes	5522.0MHz, -69.0dBm	Hop sequence: 5514, 5447, 5612, 5343, 5513, 5518, 5544, 5512, 5478, 5399, 5496, 5684, 5252, 5266, 5442, 5673, 5260, 5561, 5444, 5423, 5314, 5489, 5500, 5482, 5338, 5452, 5463, 5453, 5264, 5310, 5322, 5601, 5667, 5358, 5579, 5300, 5272, 5572, 5698, 5580, 5506, 5660, 5417, 5670, 5564, 5280, 5554, 5524, 5450, 5516, 5685, 5531, 5325, 5402, 5669, 5389, 5688, 5715, 5348, 5470, 5311, 5692, 5320, 5631, 5603, 5503, 5405, 5694, 5499, 5464, 5530, 5546, 5627, 5316, 5705, 5441, 5479, 5588, 5364, 5643, 5504, 5446, 5305, 5566, 5567, 5585, 5474, 5407, 5468, 5354, 5295, 5303, 5605, 5606, 5410, 5719, 5635, 5664, 5628, 5340 (13 hits) (04/15/2011 03:42:36 PM)
36	9	1.0	333.0	Yes	5523.0MHz, -69.0dBm	Hop sequence: 5429, 5702, 5687, 5481, 5632, 5254, 5420, 5460, 5623, 5505, 5287, 5354, 5373, 5484, 5525, 5504, 5557, 5653, 5399, 5385, 5437, 5322, 5298, 5494, 5566, 5277, 5475, 5536, 5371, 5599, 5666, 5417, 5617, 5366, 5584, 5720, 5547, 5524, 5297, 5513, 5365, 5479, 5375, 5624, 5551, 5512, 5274, 5722, 5529, 5259, 5508, 5625, 5294, 5472, 5655, 5703, 5442, 5500, 5510, 5721, 5295, 5511, 5648, 5553, 5424, 5639, 5430, 5591, 5696, 5457, 5428, 5654, 5673, 5605, 5383, 5444, 5312, 5581, 5406, 5521, 5293, 5368, 5413, 5275, 5462, 5367, 5355, 5577, 5339, 5356, 5672, 5659, 5422, 5284, 5315, 5562, 5459, 5391, 5685, 5263 (13 hits) (04/15/2011 03:42:49 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
37	9	1.0	333.0	Yes	5524.0MHz, -69.0dBm	Hop sequence: 5673, 5268, 5284, 5325, 5710, 5352, 5617, 5468, 5282, 5334, 5718, 5428, 5534, 5356, 5653, 5421, 5478, 5405, 5651, 5677, 5577, 5371, 5400, 5387, 5422, 5337, 5678, 5691, 5379, 5430, 5319, 5485, 5437, 5385, 5281, 5402, 5553, 5411, 5304, 5560, 5365, 5425, 5655, 5674, 5576, 5579, 5458, 5436, 5649, 5709, 5418, 5693, 5447, 5621, 5477, 5681, 5343, 5466, 5628, 5261, 5515, 5564, 5501, 5342, 5388, 5293, 5639, 5470, 5409, 5488, 5393, 5441, 5699, 5426, 5454, 5574, 5714, 5382, 5259, 5603, 5618, 5286, 5375, 5302, 5542, 5386, 5492, 5333, 5543, 5715, 5660, 5648, 5347, 5410, 5332, 5275, 5398, 5713, 5339, 5474 (3 hits) (04/15/2011 03:43:01 PM)
38	9	1.0	333.0	Yes	5525.0MHz, -69.0dBm	Hop sequence: 5613, 5274, 5318, 5573, 5611, 5284, 5434, 5669, 5540, 5443, 5603, 5644, 5451, 5393, 5345, 5666, 5313, 5396, 5394, 5587, 5626, 5488, 5477, 5278, 5446, 5535, 5273, 5717, 5597, 5437, 5638, 5547, 5610, 5303, 5580, 5608, 5615, 5578, 5441, 5380, 5271, 5378, 5370, 5260, 5353, 5408, 5346, 5714, 5479, 5350, 5483, 5288, 5579, 5306, 5401, 5709, 5507, 5723, 5327, 5557, 5562, 5336, 5283, 5439, 5252, 5334, 5541, 5694, 5590, 5332, 5362, 5377, 5680, 5648, 5563, 5684, 5564, 5431, 5379, 5572, 5503, 5549, 5606, 5412, 5674, 5639, 5643, 5672, 5363, 5497, 5425, 5605, 5342, 5478, 5265, 5470, 5314, 5654, 5506, 5410 (4 hits) (04/15/2011 03:43:09 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
39	9	1.0	333.0	Yes	5526.0MHz, -69.0dBm	Hop sequence: 5506, 5458, 5318, 5720, 5385, 5319, 5655, 5723, 5375, 5599, 5707, 5367, 5556, 5577, 5543, 5252, 5437, 5253, 5353, 5531, 5654, 5586, 5502, 5511, 5347, 5551, 5515, 5268, 5640, 5447, 5683, 5581, 5503, 5631, 5687, 5402, 5321, 5587, 5526, 5307, 5267, 5725, 5371, 5290, 5661, 5677, 5391, 5583, 5336, 5360, 5612, 5475, 5705, 5622, 5469, 5365, 5680, 5669, 5668, 5387, 5561, 5643, 5665, 5427, 5609, 5713, 5406, 5349, 5294, 5621, 5596, 5480, 5380, 5479, 5473, 5568, 5555, 5666, 5484, 5507, 5528, 5328, 5400, 5696, 5521, 5251, 5485, 5519, 5295, 5261, 5386, 5481, 5418, 5646, 5617, 5628, 5685, 5414, 5486, 5576 (10 hits) (04/15/2011 03:43:16 PM)
40	9	1.0	333.0	Yes	5527.0MHz, -69.0dBm	Hop sequence: 5509, 5588, 5404, 5356, 5605, 5451, 5613, 5670, 5604, 5512, 5595, 5685, 5538, 5537, 5692, 5560, 5367, 5329, 5449, 5556, 5491, 5523, 5271, 5648, 5557, 5295, 5494, 5253, 5366, 5584, 5550, 5365, 5439, 5552, 5279, 5663, 5402, 5299, 5457, 5340, 5542, 5533, 5281, 5520, 5668, 5401, 5434, 5443, 5667, 5586, 5430, 5680, 5655, 5659, 5334, 5500, 5293, 5466, 5333, 5306, 5619, 5621, 5454, 5426, 5501, 5633, 5262, 5653, 5683, 5421, 5386, 5462, 5580, 5254, 5448, 5516, 5372, 5587, 5314, 5569, 5626, 5352, 5257, 5517, 5348, 5642, 5548, 5614, 5484, 5420, 5489, 5540, 5323, 5475, 5593, 5706, 5495, 5258, 5697, 5412 (11 hits) (04/15/2011 03:43:23 PM)

Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
41	9	1.0	333.0	Yes	5528.0MHz, -69.0dBm	Hop sequence: 5258, 5334, 5317, 5283, 5623, 5434, 5469, 5320, 5560, 5665, 5586, 5342, 5648, 5510, 5620, 5529, 5437, 5667, 5630, 5419, 5520, 5368, 5522, 5629, 5488, 5318, 5391, 5451, 5542, 5319, 5664, 5286, 5460, 5513, 5252, 5632, 5676, 5625, 5278, 5478, 5574, 5454, 5587, 5604, 5377, 5378, 5297, 5341, 5285, 5343, 5409, 5514, 5545, 5374, 5691, 5386, 5707, 5329, 5686, 5722, 5700, 5339, 5621, 5551, 5309, 5290, 5526, 5445, 5608, 5294, 5291, 5668, 5555, 5282, 5549, 5462, 5679, 5266, 5345, 5589, 5631, 5693, 5709, 5321, 5384, 5559, 5628, 5627, 5673, 5406, 5251, 5546, 5637, 5611, 5262, 5547, 5464, 5400, 5250, 5440 (7 hits) (04/15/2011 03:43:34 PM)

Appendix C Test Data Tables and Plots for Channel Closing

FCC PART 15 SUBPART E Channel Closing Measurements

Table 86 FCC Part 15 Subpart E Channel Closing Test Results					
Waveform Type	Channel Closing Transmission Time [1]		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	25.02 ms	60 ms	6.306 s	10 s	Complies
Radar Type 5	0 ms	60 ms	0 ms	10 s	Complies

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

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

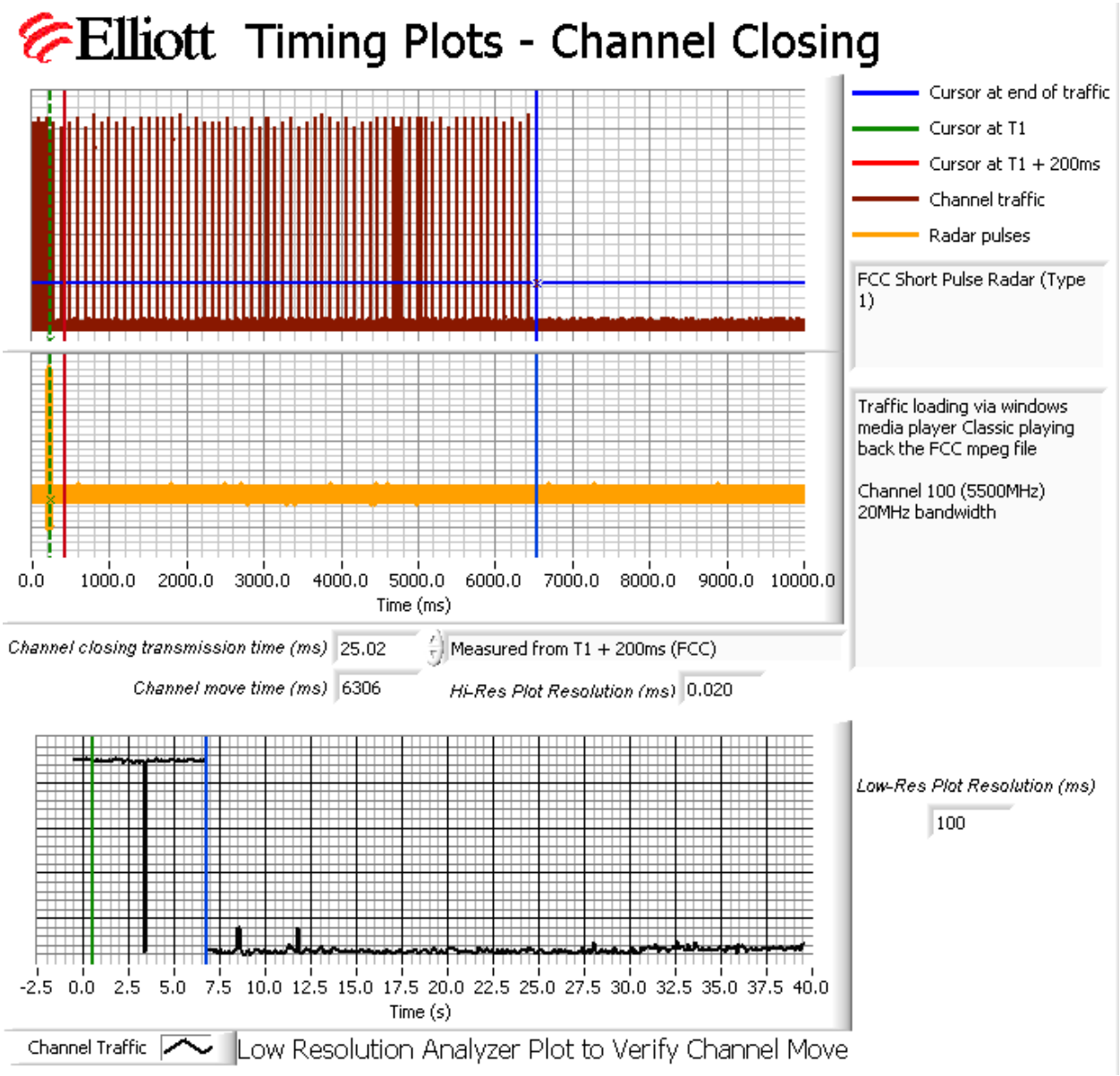

Figure 5 Channel Closing Time and Channel Move Time – 40 second plot

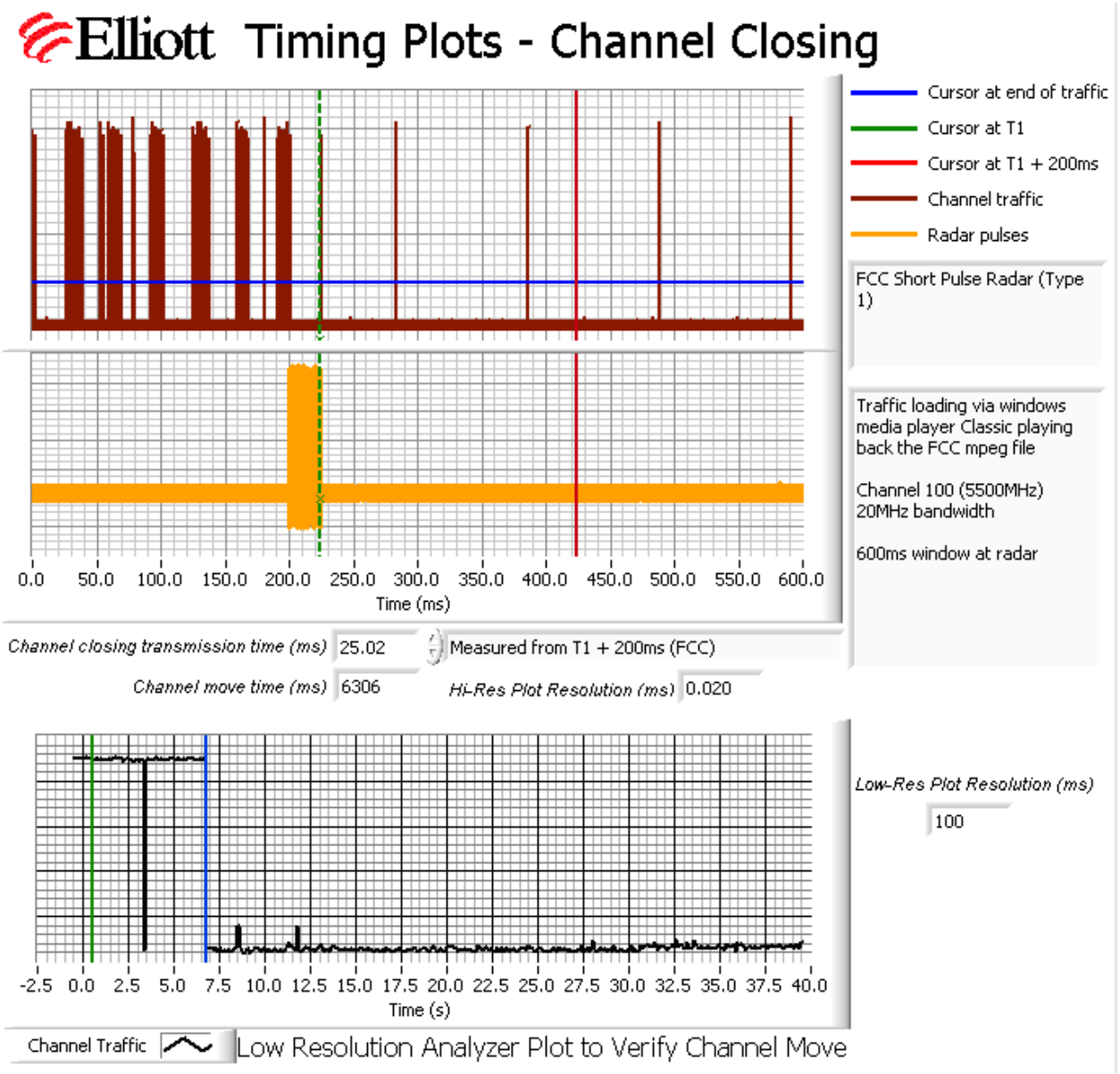

Figure 6 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar

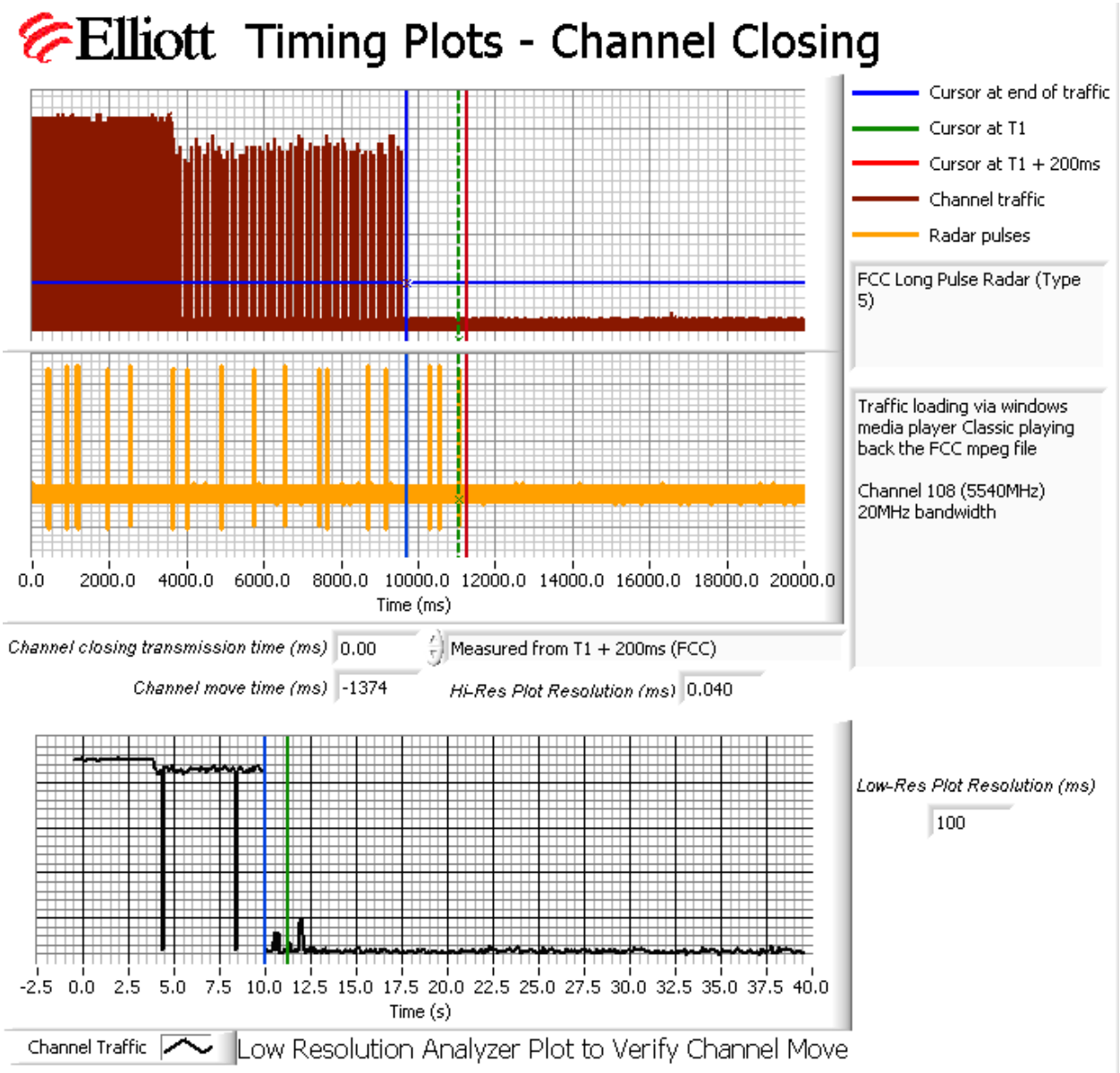

Figure 7 Channel Closing Time and Channel Move Time – 40 second plot

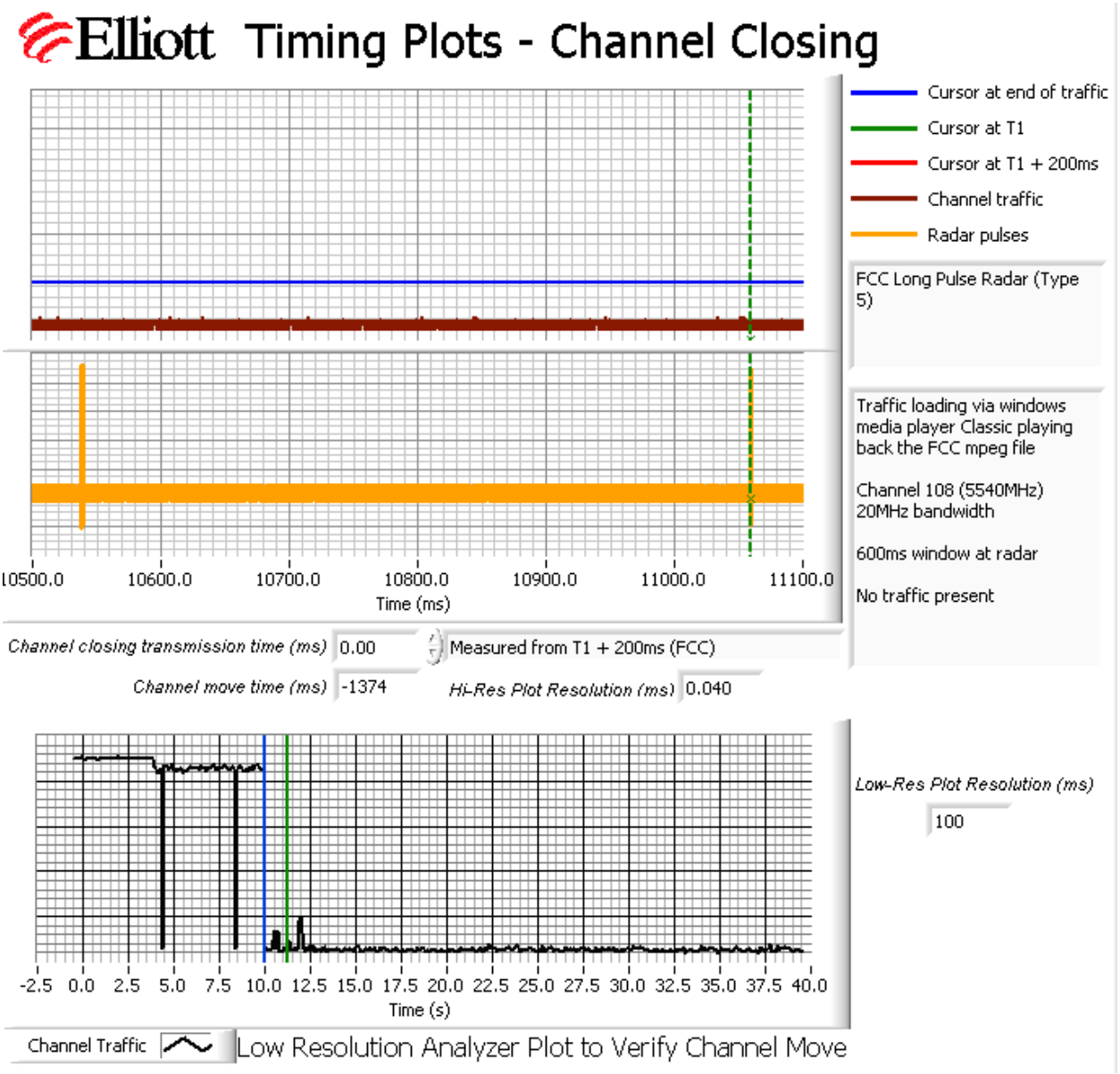

Figure 8 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar

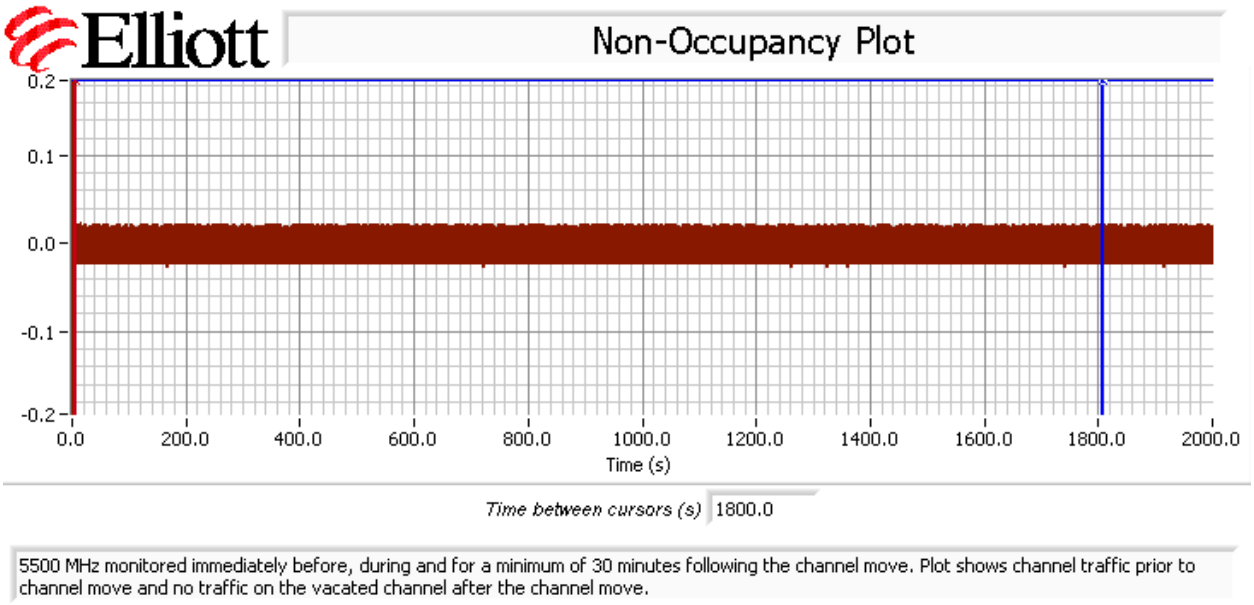

Figure 9 Radar Channel Non-Occupancy Plot

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

Appendix D Test Data – Channel Availability Check

5250- 5350 MHz, 5470 – 5725 MHz

The first plot shows the first transmissions on a channel after initiating a channel move, with no radar applied during the CAC. The start of CAC is assumed to be 67 seconds before the first transmission as indicated by the green cursor line.

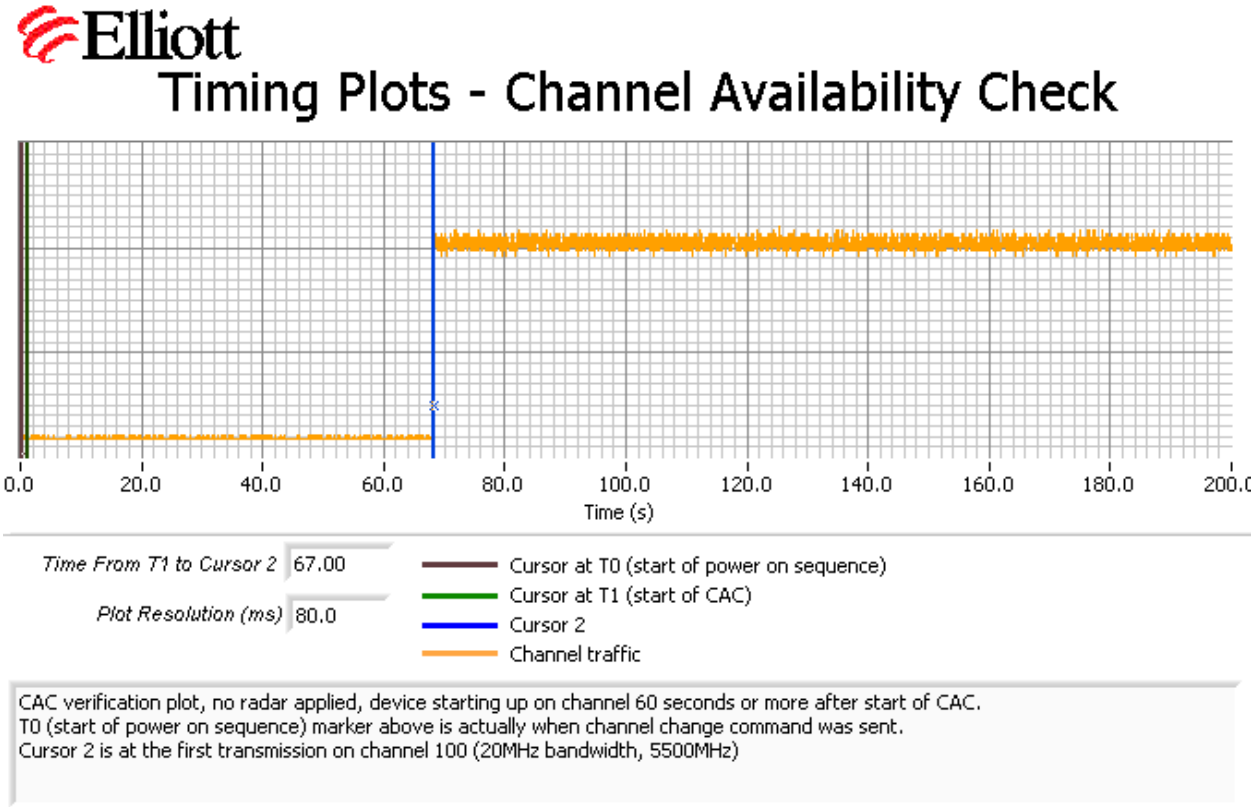

Figure 10 Plot of EUT Start-Up After CAC (20MHz mode)

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 -69dBm. Measurements were made on channel 100 (5500 MHz).

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

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

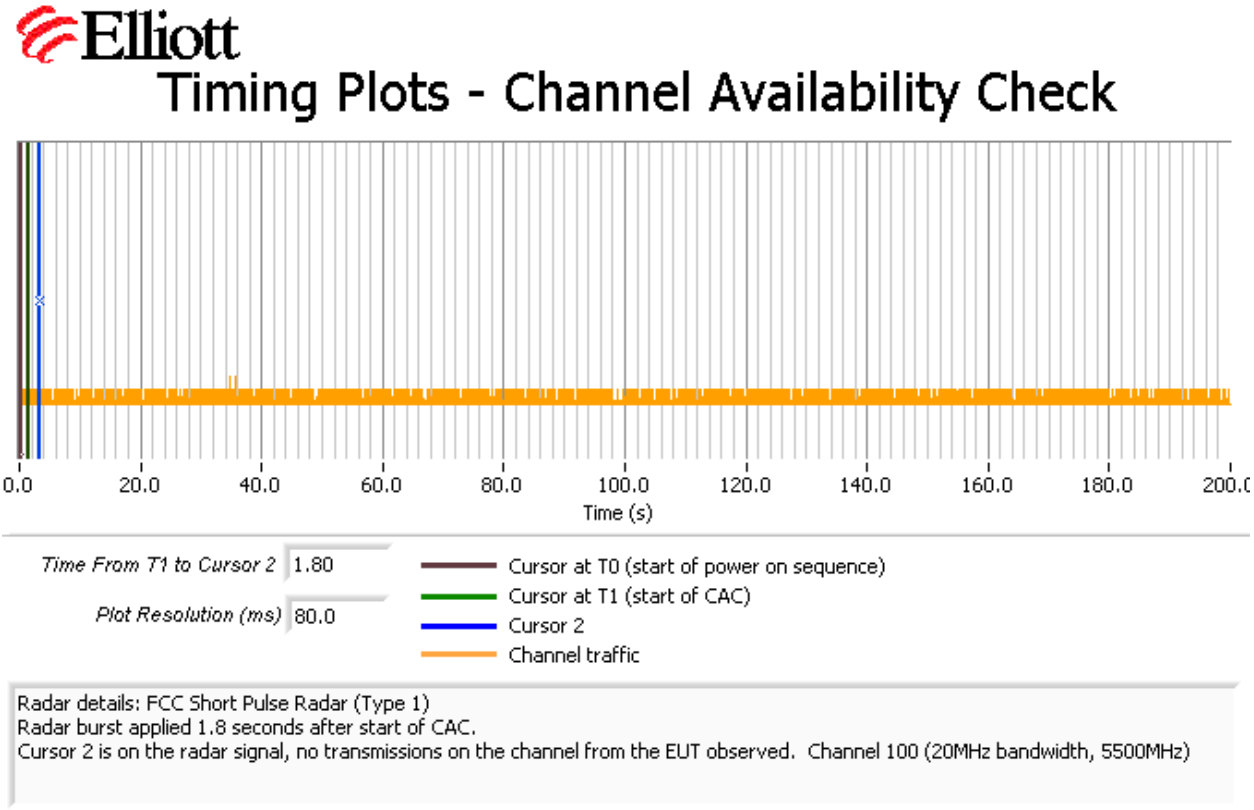

Figure 11 Radar Applied At Start of CAC (20MHz mode)

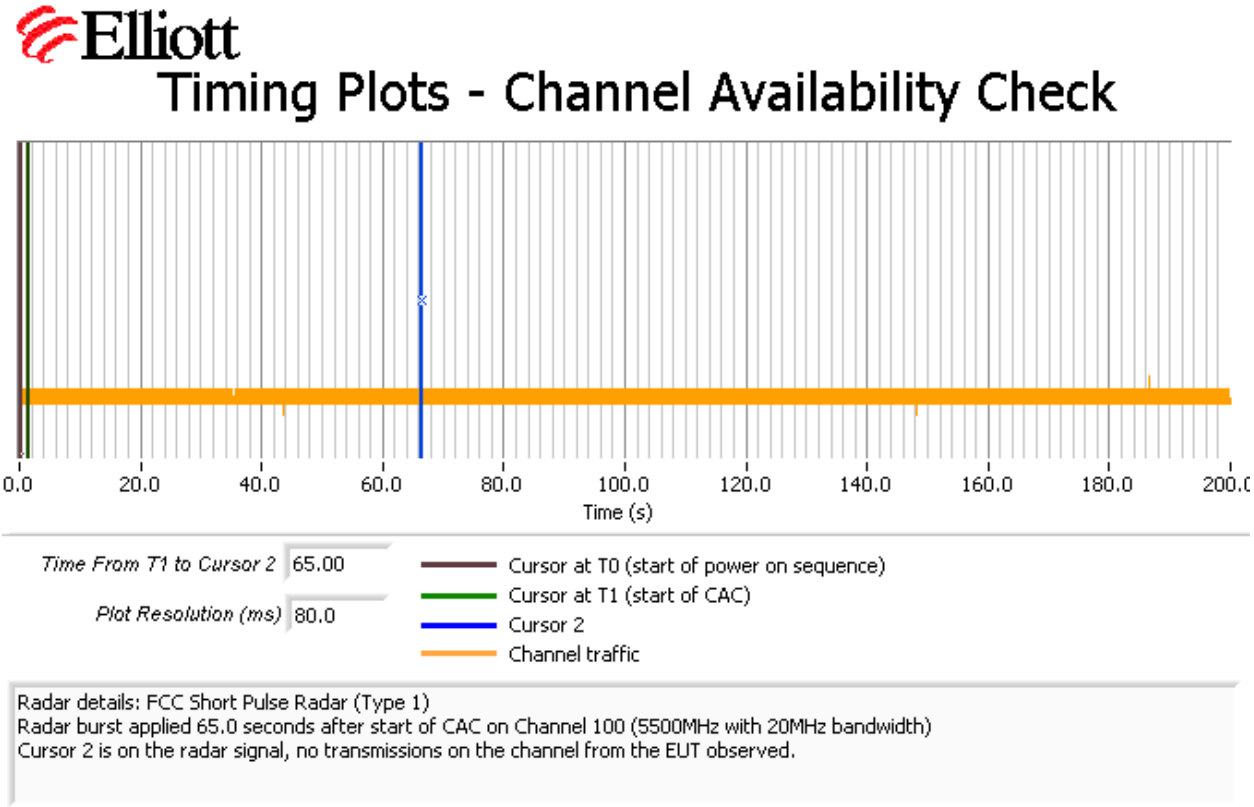

Figure 12 Radar Applied At End of CAC (20MHz mode)

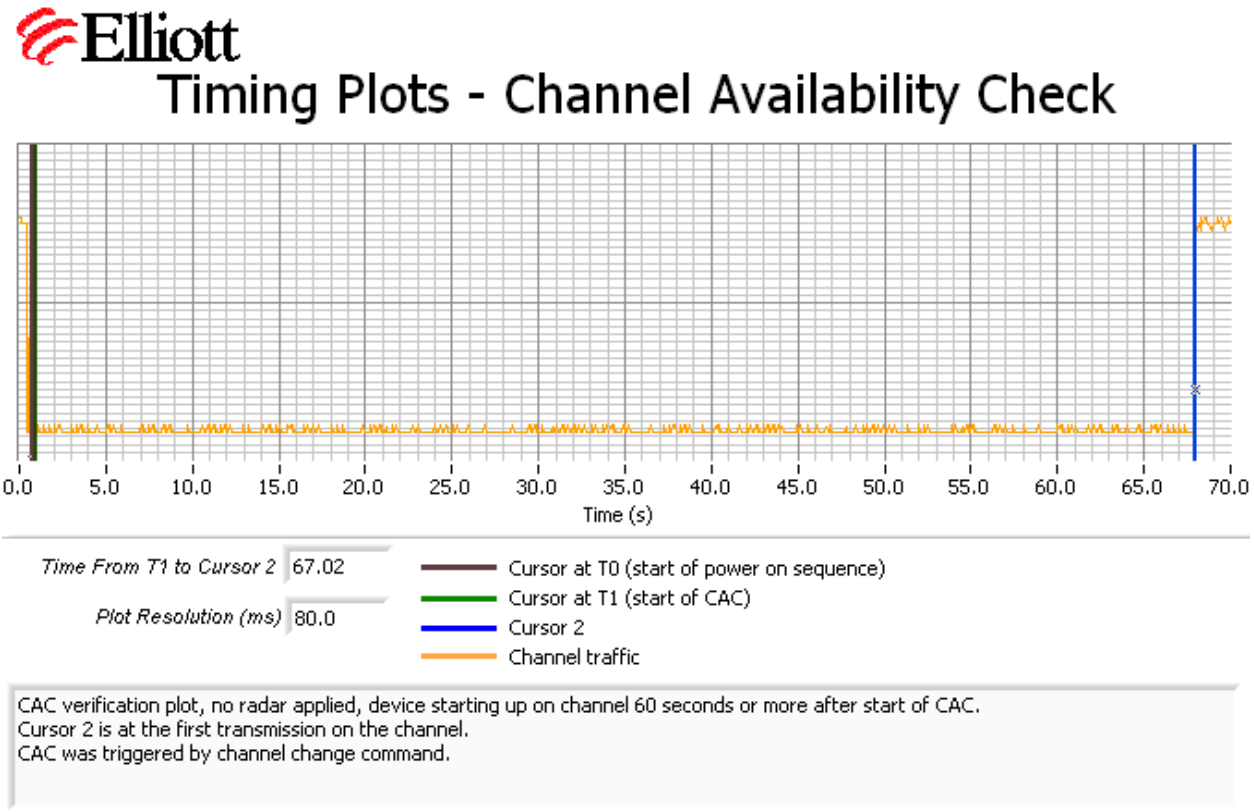

Figure 13 Plot of EUT Start-Up After CAC (5510MHz 40MHz channel)

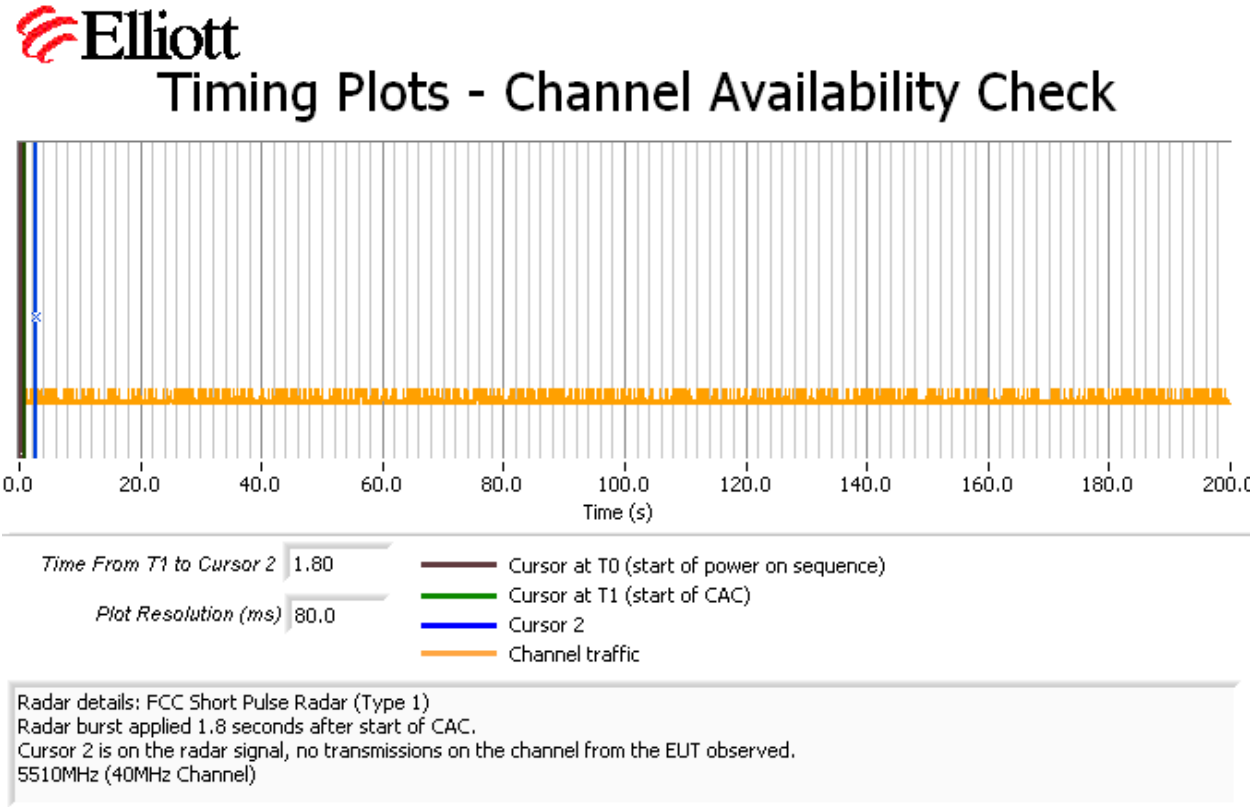

Figure 14 Radar Applied At Start of CAC (40MHz mode)

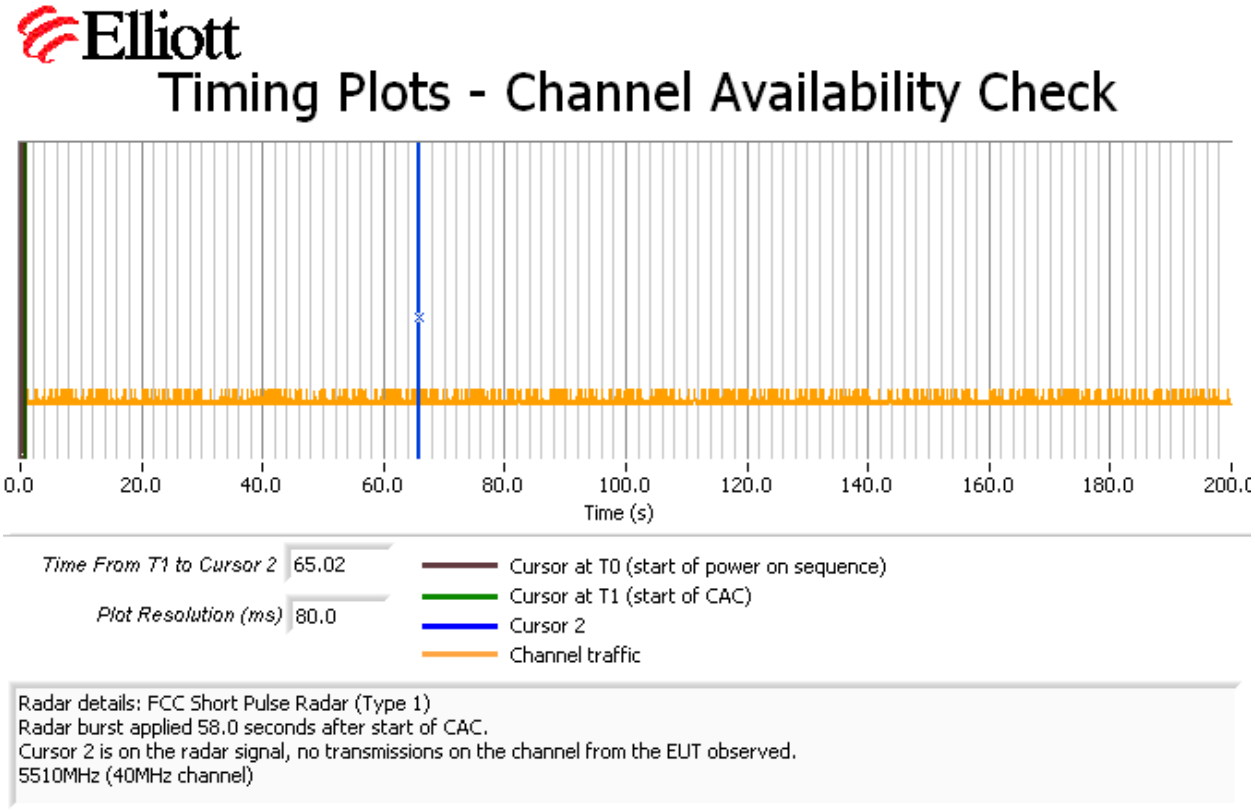

Figure 15 Radar Applied At End of CAC (40MHz mode)

Appendix E Antenna Gain, Output Power and EIRP

Output Power (dBm)	Antenna Gain (dBi)	Antenna type (dBi)	EIRP		DFS Threshold (dBm)	Conducted Test Level (dBm)
			dBm	mW		
7.5	13.9	yagi	21.4	138.0	-62	-47.1
15	5	dipole	20	100.0	-62	-56
18	5.5	patch	23.5	223.9	-64	**-57.5**
10	13	panel	23	199.5	-62	-48

Appendix F Test Configuration Photographs