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TEST REPORT

Covering the
DYNAMIC FREQUENCY SELECTION (DFS)
REQUIREMENTS
OF

FCC Part 15 Subpart E (UNII)
Industry Canada RSS-210

BelAir Networks Inc.
Model(s): ERM5

COMPANY:	BelAir Networks Inc. 603 March Road Kanata, Ontario, Canada, K2K 2M5
TEST SITE:	Elliott Laboratories 684 W. Maude Ave Sunnyvale, CA 94085
REPORT DATE:	December 28, 2009
FINAL TEST DATE:	December 14, 15, 2009
TEST ENGINEER:	Wayne Fisher and Mehran Birgani
AUTHORIZED SIGNATORY:	Mark E. Hill Staff Engineer

ACCREDITED

Testing Cert #2016-01

REVISION HISTORY

Revision #	Date	Comments	Modified By
-	December 28, 2009	Initial Release	-

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SCOPE

The Federal Communications Commission and the Industry Canada publish standards regarding ElectroMagnetic Compatibility and Radio spectrum Matters for radio-communications devices. Tests have been performed on the BelAir Networks Inc. model ERM5 in accordance with these standards.

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

- FCC Part 15 Subpart E Unlicensed National Information Infrastructure (U-NII) Devices
- IC – RSS-210 Issue 7 June 2007

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 BelAir Networks Inc. model ERM5 and therefore apply only to the tested sample. The sample was selected and prepared by Michael Skof of BelAir Networks Inc..

OBJECTIVE

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

STATEMENT OF COMPLIANCE

The tested sample of BelAir Networks Inc. model ERM5 complied with the DFS requirements of:

FCC Part 15.407(h)(2)
RSS-210 Issue 7 June 2007

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 BelAir Networks Inc. model ERM5 is a "Back Haul Radio" for use in BelAir 100 Access Point radios. For U.S., operation in the 5150-5250 MHz band is disabled as this is an outdoor use only device. For U.S. and Canadian operation 5600-5650 MHz operation is disabled, otherwise operation is allowed across the rest of the 5470-5725 MHz band.

The sample was received on December 11, 2009 and tested on December 14, 15, 2009. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
BelAir Networks	ERM5	Back Haul Radio	A000112890

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

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

☐ Client Device with In-Service Monitoring

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

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	7.0	7.0
Highest Antenna Gain (dBi)	29.5	29.5
Output Power (dBm)	20	20

☐ Power can exceed 200mW eirp

Channel Protocol

☒ IP Based

☐ Frame Based

☐ OTHER _____

ENCLOSURE

The EUT has no enclosure. It is designed to be installed within the enclosure of a host BelAir Access Point. The host enclosure measures approximately 32 by 13 by 20 centimeters. It is primarily constructed of aluminum and uncoated plastic.

MODIFICATIONS

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

SUPPORT EQUIPMENT

The following equipment was used as local support equipment for testing:

Manufacturer	Model	Description	Serial Number	FCC ID
Dell	D620	Laptop Computer	38908408753	DoC
Dell	D600	Laptop Computer	CN-0g5152-48643-499-3500	DoC
BelAir Networks	*BelAir 100*	*Access Point with Back Haul*	*1ANYYX0JXXX11 0000XH1*	*DoC*

The italicized device was acting in the client device role for purposes of this test.

EUT INTERFACE PORTS

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

		Cable(s)		
Port	Connected To	Description	Shielded or Unshielded	Length (m)
Ethernet	Laptop Computer	CAT5	Unshielded	2.0

EUT OPERATION

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

Master Device: DFS version 1.0.1

The EUT only communicates with other DFS enabled Master Devices and does not support client associations. In deployment it is paired in the BelAir 100 chassis with a 2.4GHz radio which manages associations with clients in non-DFS bands. In deployment each ERM5 radio is responsible for detecting radar events and clearing the channel for thirty minutes before performing a CAC and resuming communication on the clear channel. Channels of operation are determined during site surveys by professional installers at time of deployment and are not definable by end user.

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 121 seconds after power up.

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 Client Device Test Result Summary

Description	Radar Type	Radar Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5300MHz	60s	≥ 60s	0	Pass
CAC Detection Threshold	Type 1	5300MHz	-	-64dBm (See note 2)	0	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5300MHz	-64 dBm (note 2)	-64dBm (See note 2)	0	Pass
Bandwidth Detection	Type 1	Varies	9 MHz (20 MHz operation) 20 MHz (40 MHz operation)	80% of the 99% BW	Appendix B	Pass
Channel closing transmission time	Type 1 Type 5	5300MHz	0.0s 0.0s	≤ 260ms	0	Pass
Channel move time	Type 1 Type 5	5300MHz	0.0s 0.0s	≤ 10s	0	Pass
Non-occupancy period	-	5300MHz	>30 minutes	> 30 minutes	0	Pass
Uniform Loading		-	-	Uniform Loading	Refer to operational description	Pass

Notes:

1) Tests were performed using the conducted test method.
2) The measured detection threshold is based on the master device having an antenna gain of 0 dBi, actual minimum antenna gain is +7dBi. Actual allowable threshold is -57dBm, testing conducted to allow margin with respect to detection threshold.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5250 – 5350 MHz band.

MEASUREMENT UNCERTAINTIES

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

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

DFS TEST METHODS

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.

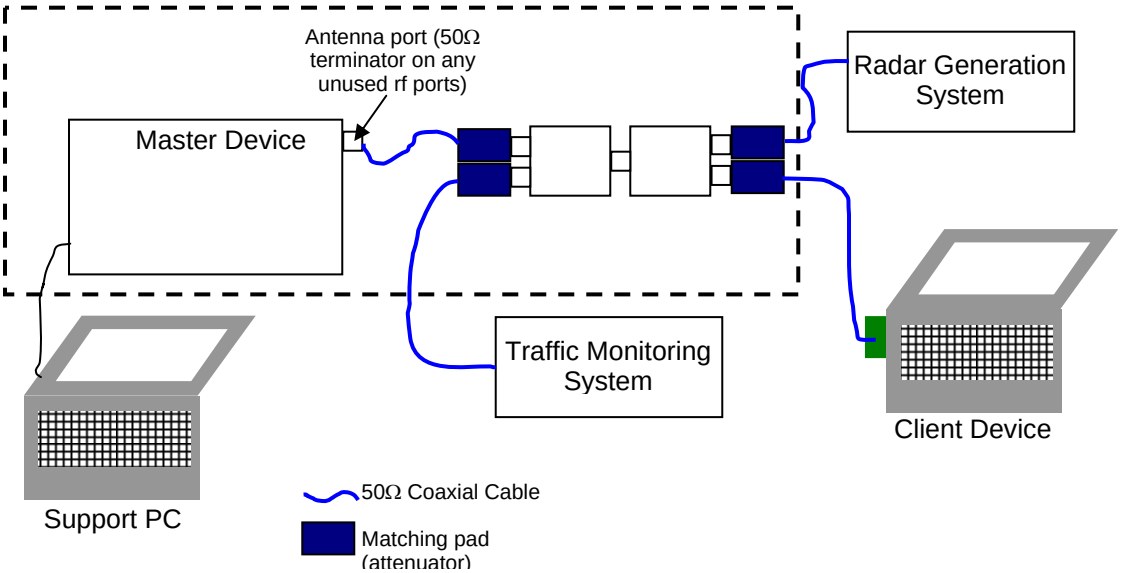


Figure 1 Test Configuration for Conducted Measurement Method

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 the following way:

FCC – the total time of all individual transmissions from the EUT that are observed starting 200ms at the end of the last radar pulse in the waveform. This value is required to be less than 60ms.

DFS – CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING

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

DFS - CHANNEL AVAILABILITY CHECK TIME

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

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

UNIFORM LOADING

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

TRANSMIT POWER CONTROL (TPC)

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

SAMPLE CALCULATIONS

DETECTION PROBABILITY / SUCCESS RATE

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

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

THRESHOLD LEVEL

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

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

Appendix A Test Equipment Calibration Data

Manufacturer	Description	Model #	Asset #	Cal Due
Hewlett Packard	EMC Spectrum Analyzer, 9 KHz-26.5 GHz	8593EM	1141	29-Dec-09
Agilent	PSG Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	15-Feb-10
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052B	2118	28-Sep-10
S.M. Electronics	N-type attenuator	18N-6dB	2005	VBU
S.M. Electronics	N-type attenuator	18N-6dB	1926	VBU
S.M. Electronics	N-type attenuator	SA18N-30	1925	VBU
S.M. Electronics	N-type attenuator	SA18N-10	1847	VBU
S.M. Electronics	N-type attenuator	SA18N-30	2154	VBU
Mini-Circuits	RF-Splitter ZAPD-50W	15542	1454	VBU
Mini-Circuits	RF-Splitter ZAPD-50W	15542	1455	VBU

Appendix B Test Data Tables for Radar Detection Probability

Table 5 - 20MHz_BWDetection Bandwidth Measurements (Bandwidth: +9MHz /-9MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5290.00 MHz	8	2	80
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5291.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5292.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5293.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5294.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5295.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5296.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5297.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5298.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5299.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5300.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5301.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5302.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5303.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5304.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5305.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5306.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5307.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5308.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5309.00 MHz	10	0	100
5300.00 MHz	FCC Short Pulse Radar (Type 1)	5310.00 MHz	6	3	67

Table 6 - Summary of All Results - 20MHz_BW				
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)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	90.0 %	60.0 %	30	PASSED
Aggregate of above results	93.3 %	80.0 %	120	PASSED
Long Sequence	97.3 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	97.4 %	70.0 %	38	PASSED

Table 7 - FCC Short Pulse Radar (Type 1) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 10:52:44 AM)
2	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 10:54:12 AM)
3	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 10:54:22 AM)
4	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 10:54:39 AM)
5	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 10:54:54 AM)
6	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 10:55:07 AM)
7	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 10:55:16 AM)
8	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 10:55:27 AM)
9	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 10:55:36 AM)
10	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 10:56:01 AM)
11	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 10:56:14 AM)
12	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 10:56:27 AM)
13	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 10:56:37 AM)
14	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 10:56:48 AM)
15	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 10:57:00 AM)
16	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 10:57:09 AM)
17	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 10:57:19 AM)
18	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 10:57:33 AM)
19	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 10:57:48 AM)

Table 7 - FCC Short Pulse Radar (Type 1) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
20	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 10:57:57 AM)
21	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:00:32 AM)
22	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:00:53 AM)
23	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:01:03 AM)
24	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:01:13 AM)
25	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:01:27 AM)
26	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:01:39 AM)
27	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:01:55 AM)
28	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:04:13 AM)
29	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:04:45 AM)
30	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:05:33 AM)

Table 8 - FCC Short Pulse Radar (Type 2) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	24	3.9	197.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:07:33 AM)
2	26	1.7	163.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:07:53 AM)
3	25	1.9	204.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:08:37 AM)
4	25	2.4	188.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:09:04 AM)
5	26	2.9	183.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:09:26 AM)
6	27	2.6	165.0	No	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:09:42 AM)
7	24	1.0	180.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:09:58 AM)
8	25	3.0	175.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:10:16 AM)
9	26	4.0	165.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:10:36 AM)
10	23	3.4	207.0	No	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:10:46 AM)
11	23	2.0	207.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:11:01 AM)
12	29	3.0	226.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:11:12 AM)
13	27	4.2	199.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:33:30 AM)

Table 8 - FCC Short Pulse Radar (Type 2) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
14	24	2.5	188.0	No	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:33:57 AM)
15	24	3.8	229.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:34:18 AM)
16	24	4.8	207.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:34:47 AM)
17	26	3.2	178.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:35:03 AM)
18	26	3.4	200.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:35:20 AM)
19	25	2.1	170.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:35:45 AM)
20	23	4.5	183.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:36:08 AM)
21	24	4.5	154.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:36:22 AM)
22	25	2.3	196.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:37:13 AM)
23	24	1.6	153.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:37:28 AM)
24	28	3.9	183.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:37:41 AM)
25	26	1.4	174.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:38:36 AM)
26	24	3.2	160.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:38:51 AM)
27	28	4.4	152.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:39:08 AM)
28	29	1.1	167.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:39:33 AM)
29	23	2.3	191.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:39:50 AM)
30	25	4.0	154.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:40:05 AM)

Table 9 - FCC Short Pulse Radar (Type 3) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	9.7	490.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:45:43 AM)
2	17	6.1	271.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:45:53 AM)
3	18	6.1	226.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:46:05 AM)
4	17	6.9	389.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:46:23 AM)
5	18	6.9	213.0	No	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:47:31 AM)
6	17	8.4	322.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:48:28 AM)
7	17	6.9	264.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:48:53 AM)

Table 9 - FCC Short Pulse Radar (Type 3) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	18	9.3	463.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:49:04 AM)
9	17	6.3	362.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:49:22 AM)
10	17	7.3	491.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:49:37 AM)
11	17	9.2	239.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:49:50 AM)
12	18	8.6	330.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:50:03 AM)
13	17	8.4	296.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:50:27 AM)
14	18	7.3	493.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:50:53 AM)
15	16	10.0	385.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:51:33 AM)
16	18	7.3	475.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:51:57 AM)
17	18	7.0	433.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:52:11 AM)
18	18	6.5	452.0	No	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:52:29 AM)
19	17	9.7	453.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:53:30 AM)
20	17	9.0	238.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:53:48 AM)
21	17	7.1	464.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:54:10 AM)
22	17	8.0	487.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:55:08 AM)
23	16	9.8	375.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:55:20 AM)
24	17	6.2	326.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:55:51 AM)
25	17	6.6	414.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:56:10 AM)
26	17	6.6	202.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:57:25 AM)
27	17	6.6	224.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:57:50 AM)
28	17	6.6	213.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 11:58:07 AM)
29	17	7.7	400.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 11:58:34 AM)
30	17	8.7	350.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 11:59:47 AM)

Table 10 - FCC Short Pulse Radar (Type 4) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	14	16.5	445.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 12:03:55 PM)

Table 10 - FCC Short Pulse Radar (Type 4) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
2	13	19.1	419.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 12:04:05 PM)
3	12	12.2	314.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 12:04:17 PM)
4	14	19.7	237.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 12:04:35 PM)
5	16	11.7	497.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 12:04:51 PM)
6	12	19.3	285.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 12:05:05 PM)
7	16	15.4	307.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 12:05:32 PM)
8	12	17.6	475.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 12:05:45 PM)
9	15	15.6	437.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 12:05:59 PM)
10	15	14.0	284.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 12:06:34 PM)
11	15	15.1	227.0	No	5295.0MHz, -64.0dBm	Single burst (12/14/2009 12:06:52 PM)
12	14	18.8	291.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 12:07:15 PM)
13	15	17.9	414.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 12:07:28 PM)
14	14	19.0	366.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 12:07:42 PM)
15	13	15.3	489.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 12:08:01 PM)
16	14	15.7	233.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 12:08:22 PM)
17	13	18.5	243.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 12:08:47 PM)
18	15	11.9	255.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 12:09:29 PM)
19	13	19.9	479.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 12:10:38 PM)
20	14	14.7	430.0	No	5295.0MHz, -64.0dBm	Single burst (12/14/2009 12:11:07 PM)
21	15	14.1	477.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 12:12:06 PM)
22	16	15.3	406.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 12:12:45 PM)
23	14	18.5	365.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 12:13:48 PM)
24	15	18.7	485.0	No	5305.0MHz, -64.0dBm	Single burst (12/14/2009 12:14:04 PM)
25	15	15.0	348.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 12:14:19 PM)
26	14	18.2	291.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 12:15:22 PM)
27	15	12.5	348.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 12:15:42 PM)
28	16	13.5	421.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 12:16:23 PM)

Table 10 - FCC Short Pulse Radar (Type 4) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
29	16	13.5	371.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 12:17:36 PM)
30	15	17.1	268.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 12:18:24 PM)

Table 11 - Long Sequence Waveform Summary 20MHz_BW		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5300.0MHz, -64.0dBm
Trial #2	Detected	5295.0MHz, -64.0dBm
Trial #3	NOT Detected	5305.0MHz, -64.0dBm
Trial #4	Detected	5300.0MHz, -64.0dBm
Trial #5	Detected	5295.0MHz, -64.0dBm
Trial #6	Detected	5305.0MHz, -64.0dBm
Trial #7	Detected	5300.0MHz, -64.0dBm
Trial #8	Detected	5295.0MHz, -64.0dBm
Trial #9	Detected	5305.0MHz, -64.0dBm
Trial #10	Detected	5300.0MHz, -64.0dBm
Trial #11	Detected	5295.0MHz, -64.0dBm
Trial #12	Detected	5305.0MHz, -64.0dBm
Trial #13	Detected	5300.0MHz, -64.0dBm
Trial #14	NOT Detected	5295.0MHz, -64.0dBm
Trial #15	Detected	5305.0MHz, -64.0dBm
Trial #16	Detected	5300.0MHz, -64.0dBm
Trial #17	Detected	5295.0MHz, -64.0dBm
Trial #18	Detected	5305.0MHz, -64.0dBm
Trial #19	Detected	5300.0MHz, -64.0dBm
Trial #20	Detected	5295.0MHz, -64.0dBm
Trial #21	Detected	5305.0MHz, -64.0dBm
Trial #22	Detected	5300.0MHz, -64.0dBm
Trial #23	Detected	5295.0MHz, -64.0dBm
Trial #24	Detected	5305.0MHz, -64.0dBm
Trial #25	Detected	5300.0MHz, -64.0dBm
Trial #26	Detected	5295.0MHz, -64.0dBm
Trial #27	Detected	5305.0MHz, -64.0dBm
Trial #28	Detected	5300.0MHz, -64.0dBm
Trial #29	Detected	5295.0MHz, -64.0dBm
Trial #30	Detected	5305.0MHz, -64.0dBm

Table 12 - 20MHz_BW Long Sequence Waveform Trial#1 (Detected)						
Burst #	#Pulses	Pulse Width(us)	Chirp(MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	99.6	7	-	-	0.571895
2	2	80.4	14	1400.0	-	1.169814
3	1	84.4	6	-	-	1.903138
4	1	56.5	9	-	-	2.745401
5	1	55.6	9	-	-	3.486217
6	1	88.8	13	-	-	4.587827
7	3	57.6	14	1058.0	1575.0	5.444159
8	2	89.0	13	1221.0	-	6.050638
9	1	80.5	15	-	-	7.067679

Table 12 - 20MHz_BW 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)
10	2	78.8	20	1157.0	-	7.354564
11	2	92.2	12	1583.0	-	8.596499
12	1	96.6	13	-	-	8.850449
13	1	77.8	11	-	-	9.701726
14	1	56.3	19	-	-	10.892978
15	2	98.9	10	1381.0	-	11.538432

Table 13 - 20MHz_BW 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	2	98.3	15	1098.0	-	0.386777
2	2	62.6	18	1033.0	-	1.504291
3	3	86.6	20	1599.0	1395.0	2.073316
4	2	86.9	8	1013.0	-	3.085498
5	2	73.5	20	1786.0	-	4.770842
6	2	62.5	5	1066.0	-	5.619798
7	2	63.1	5	1634.0	-	6.814820
8	2	93.6	12	1867.0	-	7.800853
9	3	89.1	11	1940.0	1212.0	8.189542
10	2	91.4	8	1391.0	-	9.306693
11	2	69.4	8	1140.0	-	10.967063
12	2	71.8	15	1142.0	-	11.664760

Table 14 - 20MHz_BW Long Sequence Waveform Trial#3 (NOT Detected)						
Burst #	#Pulses	Pulse Width (us)	Chirp(MHz)	Interval 1 to 2(us)	Interval 2 to 3 (us)	Start time (us)
1	2	52.0	5	1113.0	-	0.232715
2	1	52.2	20	-	-	1.639786
3	3	67.5	5	1140.0	1745.0	2.594939
4	2	76.2	5	1735.0	-	2.862287
5	1	85.5	14	-	-	3.750358
6	2	89.1	13	1049.0	-	5.411069
7	2	69.8	5	1580.0	-	5.902059
8	2	61.7	19	1157.0	-	7.173202
9	2	78.9	14	1222.0	-	7.436765
10	2	74.4	14	1289.0	-	8.395461
11	2	95.0	8	1850.0	-	9.856708
12	1	67.2	14	-	-	10.887074
13	1	70.8	10	-	-	11.870253

Table 15 - 20MHz_BW 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	71.4	13	1971.0	-	0.690762
2	3	81.8	16	1982.0	1423.0	0.769387
3	2	58.1	13	1846.0	-	1.760665
4	1	68.2	16	-	-	2.392080
5	3	75.2	17	1770.0	1207.0	3.015622
6	1	71.3	16	-	-	3.869446
7	3	64.4	7	1564.0	1201.0	4.327908
8	1	67.7	10	-	-	5.258317
9	1	50.9	9	-	-	6.091934
10	3	53.3	6	1164.0	1254.0	6.359914

Table 15 - 20MHz_BW 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)
11	2	65.9	17	1534.0	-	7.524111
12	1	76.0	17	-	-	8.137959
13	3	85.0	9	1911.0	1911.0	8.844525
14	2	93.4	11	1296.0	-	9.843762
15	1	58.8	6	-	-	9.997563
16	1	66.1	9	-	-	10.691467
17	3	86.0	18	1542.0	1220.0	11.806752

Table 16 - 20MHz_BW 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	51.0	6	1535.0	-	0.256937
2	3	68.7	9	1073.0	1883.0	1.493507
3	2	64.2	14	1568.0	-	2.463249
4	2	98.8	11	1061.0	-	3.046407
5	2	80.9	18	1603.0	-	3.586358
6	1	91.2	8	-	-	4.292561
7	1	88.0	13	-	-	5.788028
8	2	78.5	5	1801.0	-	6.344582
9	1	50.5	13	-	-	7.078612
10	1	75.9	11	-	-	8.238904
11	3	64.2	9	1194.0	1744.0	8.623029
12	1	94.0	7	-	-	9.892219
13	2	99.0	16	1917.0	-	10.771598
14	2	58.1	15	1942.0	-	11.362301

Table 17 - 20MHz_BW Long Sequence Waveform Trial#6 (Detected)						
Burst #	#Pulses	Pulse Width (us)	Chirp(MHz)	Interval 1 to 2(us)	Interval 2 to 3 (us)	Start time (us)
1	2	69.5	15	1549.0	-	0.518638
2	3	87.3	18	1215.0	1723.0	1.014127
3	1	70.4	12	-	-	1.985207
4	1	68.3	19	-	-	3.652519
5	3	80.4	9	1551.0	1828.0	3.975027
6	2	65.7	16	1514.0	-	5.202032
7	2	86.4	9	1038.0	-	5.762428
8	2	51.0	10	1210.0	-	6.531824
9	2	92.7	5	1297.0	-	8.026536
10	2	87.6	16	1642.0	-	9.150300
11	1	57.0	9	-	-	9.757036
12	2	72.3	7	1011.0	-	10.270086
13	2	67.1	7	1599.0	-	11.875764

Table 18 - 20MHz_BW Long Sequence Waveform Trial#7 (Detected)						
Burst #	#Pulses	Pulse Width (us)	Chirp(MHz)	Interval 1 to 2(us)	Interval 2 to 3 (us)	Start time (us)
1	3	80.4	8	1623.0	1086.0	0.052697
2	1	74.4	13	-	-	0.858038
3	3	55.2	12	1667.0	1368.0	2.208433
4	2	95.0	13	1212.0	-	3.083024
5	2	77.4	10	1715.0	-	3.510577
6	2	97.1	8	1144.0	-	4.251909

Table 18 - 20MHz_BW 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)
7	1	81.5	17	-	-	5.396601
8	2	55.5	11	1809.0	-	6.086788
9	3	62.9	11	1340.0	1248.0	6.669671
10	1	94.8	8	-	-	7.634843
11	2	75.8	15	1816.0	-	8.692929
12	1	93.2	11	-	-	8.943141
13	2	59.8	15	1842.0	-	9.752421
14	3	96.1	6	1982.0	1944.0	10.758940
15	3	74.3	18	1707.0	1539.0	11.796566

Table 19 - 20MHz_BW 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	1	60.9	18	-	-	0.473358
2	2	94.9	15	1570.0	-	1.088730
3	2	92.7	9	1307.0	-	2.019622
4	1	54.3	11	-	-	3.117120
5	2	70.2	5	1215.0	-	3.568231
6	2	81.4	12	1367.0	-	4.564421
7	3	58.3	6	1703.0	1678.0	4.881504
8	1	82.0	12	-	-	5.888413
9	2	63.8	11	1330.0	-	6.669352
10	2	64.2	8	1916.0	-	7.954833
11	2	74.3	15	1615.0	-	8.277637
12	2	84.3	18	1356.0	-	8.910074
13	1	58.7	15	-	-	9.659482
14	2	53.4	10	1089.0	-	11.123873
15	2	64.7	13	1040.0	-	11.905341

Table 20 - 20MHz_BW 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	3	93.0	18	1565.0	1274.0	0.309814
2	3	77.0	19	1333.0	1960.0	1.403235
3	1	52.6	8	-	-	1.879385
4	2	94.6	9	1408.0	-	2.687364
5	1	55.4	18	-	-	3.292231
6	1	54.0	14	-	-	4.056430
7	2	91.6	19	1855.0	-	4.815760
8	1	79.1	12	-	-	5.575563
9	1	68.0	12	-	-	6.692296
10	1	59.5	14	-	-	7.355630
11	2	50.1	12	1081.0	-	8.226376
12	2	52.3	16	1279.0	-	8.516531
13	1	79.5	18	-	-	9.544394
14	3	74.7	8	1807.0	1031.0	10.236490
15	2	99.4	16	1022.0	-	11.223546
16	1	50.6	17	-	-	11.283639

Table 21 - 20MHz_BW 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	1	80.7	13	-	-	0.233572
2	3	78.0	13	1936.0	1044.0	0.739804
3	3	61.6	7	1318.0	1054.0	1.647032
4	2	89.0	16	1848.0	-	2.783565
5	1	52.3	18	-	-	2.912625
6	3	77.7	6	1306.0	1435.0	3.976153
7	2	64.1	18	1258.0	-	4.684118
8	2	59.7	7	1905.0	-	5.415152
9	3	60.5	17	1370.0	1622.0	5.835777
10	2	59.6	14	1900.0	-	6.783180
11	1	97.4	16	-	-	7.267381
12	2	55.9	17	1653.0	-	7.900352
13	3	87.9	7	1300.0	1508.0	8.849519
14	2	57.0	19	1909.0	-	9.215141
15	1	51.1	13	-	-	10.579198
16	2	80.7	10	1819.0	-	10.653814
17	3	50.8	18	1303.0	1198.0	11.550695

Table 22 - 20MHz_BW 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	67.6	17	-	-	0.574077
2	2	66.9	17	1123.0	-	1.515184
3	3	66.7	6	1055.0	1590.0	1.600769
4	2	59.0	8	1430.0	-	2.932296
5	2	79.5	6	1057.0	-	3.236784
6	3	68.4	17	1726.0	1158.0	4.406284
7	2	89.9	17	1457.0	-	4.883993
8	3	66.4	17	1576.0	1793.0	5.709393
9	2	88.5	11	1097.0	-	6.853961
10	2	61.8	12	1930.0	-	7.445291
11	3	98.7	6	1991.0	1454.0	8.418127
12	3	91.3	16	1396.0	1047.0	9.329468
13	3	87.3	19	1723.0	1924.0	10.040316
14	2	62.8	14	1564.0	-	10.652524
15	1	87.1	9	-	-	11.717290

Table 23 - 20MHz_BW 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	3	61.2	6	1255.0	1656.0	0.056191
2	1	65.3	5	-	-	1.399969
3	1	96.8	10	-	-	2.016491
4	1	84.2	16	-	-	3.344821
5	3	95.6	5	1401.0	1682.0	4.120021
6	2	68.2	19	1174.0	-	5.732736
7	2	51.6	18	1259.0	-	6.817167
8	2	72.3	20	1590.0	-	7.168503
9	2	81.7	10	1446.0	-	8.638314
10	1	75.2	17	-	-	9.799838
11	1	67.6	14	-	-	10.602157
12	1	76.2	6	-	-	11.675970

Table 24 - 20MHz_BW Long Sequence Waveform Trial#13 (Detected)						
Burst #	#Pulses	Pulse Width (us)	Chirp(MHz)	Interval 1 to 2(us)	Interval 2 to 3 (us)	Start time (us)
1	2	91.7	15	1742.0	-	0.079872
2	3	56.7	19	1684.0	1985.0	1.233573
3	2	74.5	16	1168.0	-	1.326967
4	2	80.6	12	1119.0	-	2.422185
5	2	87.7	16	1735.0	-	2.988738
6	2	74.9	11	1230.0	-	3.303541
7	2	98.1	6	1267.0	-	4.201465
8	1	52.2	6	-	-	4.432102
9	3	79.3	13	1233.0	1750.0	5.411194
10	3	60.4	13	1314.0	1714.0	5.865315
11	1	72.7	12	-	-	6.554251
12	1	66.0	7	-	-	7.246528
13	2	75.0	20	1204.0	-	7.971560
14	2	61.4	9	1892.0	-	8.764991
15	3	67.6	14	1989.0	1064.0	9.400660
16	3	69.0	6	1533.0	1490.0	9.985423
17	2	75.3	13	1326.0	-	10.540490
18	2	84.0	12	1756.0	-	11.036327
19	2	67.5	11	1279.0	-	11.978538

Table 25 - 20MHz_BW 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	2	72.4	12	1904.0	-	0.591334
2	1	89.8	11	-	-	1.611233
3	1	71.8	19	-	-	3.028044
4	2	79.5	16	1535.0	-	3.862019
5	2	51.2	19	1795.0	-	5.772405
6	2	59.6	7	1797.0	-	6.622161
7	2	71.5	18	1374.0	-	7.723422
8	3	77.2	17	1918.0	1676.0	8.647084
9	3	57.6	14	1267.0	1723.0	9.767629
10	3	89.5	19	1598.0	1630.0	11.914645

Table 26 - 20MHz_BW 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	89.5	17	-	-	0.183883
2	2	67.5	9	1909.0	-	0.745200
3	3	68.5	17	1512.0	1645.0	1.265388
4	1	65.8	11	-	-	2.052093
5	2	84.3	16	1003.0	-	2.565468
6	1	57.5	5	-	-	3.300060
7	2	89.6	15	1661.0	-	3.697974
8	2	66.4	9	1120.0	-	4.428714
9	2	58.0	5	1644.0	-	4.878449
10	2	63.4	6	1094.0	-	5.463683
11	3	74.9	17	1764.0	1189.0	6.377247
12	3	55.8	7	1385.0	1539.0	6.910387
13	3	70.5	11	1461.0	1105.0	7.350824
14	2	58.9	15	1207.0	-	8.136318
15	1	73.3	14	-	-	8.732648

Table 26 - 20MHz_BW 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)
16	2	72.9	13	1010.0	-	9.164352
17	2	57.3	8	1167.0	-	9.956304
18	1	63.9	6	-	-	10.370105
19	2	73.3	7	1938.0	-	11.228794
20	1	95.3	16	-	-	11.764115

Table 27 - 20MHz_BW 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	59.9	13	1268.0	-	0.425034
2	1	84.6	13	-	-	0.951659
3	3	53.6	7	1430.0	1338.0	1.847533
4	1	56.2	9	-	-	2.461694
5	1	50.6	11	-	-	3.047699
6	2	60.0	16	1705.0	-	3.196846
7	3	89.5	6	1539.0	1419.0	4.322892
8	1	81.0	12	-	-	4.809062
9	2	55.4	14	1563.0	-	5.109845
10	2	58.5	12	1353.0	-	6.246495
11	2	55.0	16	1991.0	-	6.584929
12	2	74.8	16	1024.0	-	7.255012
13	2	52.8	9	1721.0	-	7.804507
14	3	60.0	5	1582.0	1165.0	8.751338
15	3	73.1	8	1076.0	1188.0	9.435213
16	2	68.3	15	1639.0	-	9.747317
17	3	84.3	11	1864.0	1267.0	10.586826
18	2	59.6	9	1652.0	-	10.771633
19	2	86.9	19	1700.0	-	11.435389

Table 28 - 20MHz_BW 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	59.3	19	-	-	0.855999
2	2	80.2	18	1005.0	-	1.482958
3	2	86.1	13	1809.0	-	2.004459
4	1	80.9	9	-	-	2.772607
5	1	57.1	12	-	-	4.237409
6	1	62.5	19	-	-	4.901276
7	3	56.8	9	1117.0	1795.0	6.275414
8	1	69.1	18	-	-	6.977045
9	2	91.3	19	1282.0	-	7.900974
10	2	51.9	18	1638.0	-	9.019411
11	3	79.6	12	1086.0	1953.0	9.371866
12	2	66.7	18	1704.0	-	10.189707
13	2	60.5	15	1911.0	-	11.470018

Table 29 - 20MHz_BW 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	1	98.2	10	-	-	0.609547
2	1	71.5	12	-	-	1.476502
3	3	72.4	15	1455.0	1990.0	1.958171
4	2	94.9	16	1723.0	-	2.895646

Table 29 - 20MHz_BW 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)
5	1	75.1	10	-	-	4.276610
6	2	66.2	10	1589.0	-	5.287758
7	2	71.5	15	1758.0	-	6.120948
8	2	63.1	18	1557.0	-	6.729924
9	1	97.0	16	-	-	7.985656
10	3	78.3	15	1600.0	1922.0	8.781191
11	2	99.6	9	1270.0	-	9.786297
12	3	78.9	14	1857.0	1616.0	10.853917
13	2	65.0	12	1320.0	-	11.994074

Table 30 - 20MHz_BW 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	2	74.6	11	1555.0	-	0.107772
2	2	82.9	7	1418.0	-	1.061769
3	2	77.8	11	1164.0	-	1.847436
4	3	64.1	7	1271.0	1441.0	2.043721
5	2	88.6	19	1161.0	-	2.765279
6	1	85.8	13	-	-	3.777096
7	3	99.7	18	1774.0	1936.0	4.388456
8	3	94.6	13	1866.0	1599.0	5.013039
9	2	92.0	12	1585.0	-	5.544987
10	2	89.4	8	1795.0	-	5.972148
11	2	85.4	8	1439.0	-	6.698842
12	1	55.6	10	-	-	7.206956
13	2	58.3	14	1363.0	-	7.707661
14	2	68.3	17	1133.0	-	8.735850
15	3	61.5	16	1117.0	1220.0	8.901070
16	1	55.6	18	-	-	9.543279
17	1	78.9	13	-	-	10.357162
18	2	83.9	10	1934.0	-	10.957213
19	2	73.3	18	1032.0	-	11.377092

Table 31 - 20MHz_BW Long Sequence Waveform Trial#20 (Detected)						
Burst #	#Pulses	Pulse Width (us)	Chirp(MHz)	Interval 1 to 2(us)	Interval 2 to 3 (us)	Start time (us)
1	2	80.0	7	1082.0	-	0.200004
2	1	61.0	20	-	-	0.950079
3	2	86.8	10	1058.0	-	1.969310
4	2	88.9	10	1432.0	-	2.625070
5	2	96.6	12	1721.0	-	3.181375
6	1	74.4	16	-	-	4.214407
7	3	72.8	15	1077.0	1354.0	4.347600
8	3	56.8	16	1456.0	1290.0	5.346161
9	2	66.9	11	1101.0	-	5.801196
10	3	56.9	16	1993.0	1983.0	6.504669
11	2	64.1	14	1473.0	-	7.298158
12	2	73.3	9	1843.0	-	7.819302
13	2	85.0	16	1041.0	-	8.841391
14	1	58.9	12	-	-	9.877517
15	2	76.2	18	1629.0	-	9.918008
16	1	75.3	7	-	-	10.620282
17	1	95.0	12	-	-	11.706925

Table 32 - 20MHz_BW Long Sequence Waveform Trial#21 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	52.9	10	1880.0	-	0.152259
2	3	50.7	9	1656.0	1855.0	1.344993
3	1	55.1	7	-	-	2.260300
4	2	97.1	11	1946.0	-	4.338558
5	2	64.2	18	1459.0	-	4.810220
6	2	87.5	6	1231.0	-	6.072638
7	3	65.0	8	1088.0	1208.0	6.595648
8	2	87.9	13	1904.0	-	8.010162
9	2	75.5	9	1335.0	-	9.170793
10	1	94.9	9	-	-	9.882657
11	2	80.9	17	1104.0	-	11.777126

Table 33 - 20MHz_BW 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	87.5	5	1223.0	-	1.193632
2	2	98.8	14	1130.0	-	1.894403
3	2	87.3	11	1499.0	-	2.812033
4	1	69.4	9	-	-	4.702727
5	2	58.5	5	1253.0	-	5.517389
6	3	65.8	13	1236.0	1510.0	6.748552
7	1	57.9	8	-	-	9.280991
8	1	61.6	6	-	-	10.015374
9	2	50.5	9	1404.0	-	10.834003

Table 34 - 20MHz_BW 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	3	69.1	16	1237.0	1561.0	0.288345
2	1	74.7	18	-	-	1.424331
3	2	83.0	19	1669.0	-	1.931123
4	2	62.3	18	1139.0	-	2.316225
5	2	60.3	6	1553.0	-	3.590073
6	2	78.4	9	1809.0	-	4.147834
7	3	82.5	15	1567.0	1331.0	4.599375
8	1	92.5	14	-	-	5.892766
9	2	69.8	19	1664.0	-	6.128582
10	2	72.2	11	1260.0	-	7.023814
11	2	90.9	7	1388.0	-	7.620665
12	1	86.9	6	-	-	8.949431
13	2	86.5	12	1843.0	-	9.527864
14	2	85.9	6	1009.0	-	10.208867
15	1	73.8	7	-	-	10.922292
16	3	87.5	9	1365.0	1554.0	11.390522

Table 35 - 20MHz_BW 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	51.4	19	1119.0	-	0.409508
2	2	96.5	11	1349.0	-	2.085009
3	1	52.5	18	-	-	2.578979
4	1	58.4	15	-	-	3.696949
5	1	54.2	16	-	-	4.449206
6	2	77.2	17	1960.0	-	6.409118
7	3	50.0	11	1906.0	1546.0	7.051419
8	2	93.1	17	1180.0	-	8.299464
9	3	68.0	19	1194.0	1024.0	9.138670
10	2	50.6	16	1866.0	-	10.148275
11	3	64.3	11	1587.0	1729.0	11.155355

Table 36 - 20MHz_BW Long Sequence Waveform Trial#25 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	80.4	17	1933.0	-	0.314429
2	3	63.7	7	1324.0	1533.0	0.794548
3	3	67.6	19	1437.0	1695.0	1.832885
4	1	54.0	16	-	-	2.541181
5	2	82.7	18	1453.0	-	3.197564
6	1	66.2	18	-	-	3.389503
7	2	63.6	14	1258.0	-	4.507038
8	3	88.4	19	1124.0	1809.0	5.065142
9	2	95.8	14	1551.0	-	5.841866
10	1	62.1	8	-	-	6.431026
11	2	64.5	19	1664.0	-	6.750939
12	3	90.7	11	1585.0	1154.0	7.765409
13	1	76.8	10	-	-	8.236125
14	2	82.7	16	1347.0	-	9.326084
15	3	75.7	17	1152.0	1144.0	9.474520
16	3	99.7	17	1272.0	1488.0	10.169911
17	2	63.4	11	1726.0	-	11.319530
18	2	58.5	7	1343.0	-	11.639074

Table 37 - 20MHz_BW Long Sequence Waveform Trial#26 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	85.4	9	1892.0	-	1.207068
2	3	76.9	7	1390.0	1397.0	2.336529
3	2	58.1	14	1734.0	-	3.195798
4	1	69.1	10	-	-	4.731229
5	2	96.0	9	1734.0	-	5.610494
6	1	92.3	17	-	-	7.345901
7	2	68.3	9	1680.0	-	8.436266
8	3	54.0	6	1920.0	1765.0	10.380268
9	1	100.0	20	-	-	11.594129

Table 38 - 20MHz_BW 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	1	88.4	7	-	-	0.440856
2	3	76.5	20	1583.0	1965.0	1.211438
3	2	57.1	9	1281.0	-	1.503758
4	1	71.0	7	-	-	2.301202
5	3	67.0	10	1851.0	1024.0	2.561488
6	2	91.5	6	1494.0	-	3.741045
7	3	69.8	12	1070.0	1464.0	4.107517
8	2	58.2	9	1853.0	-	4.640772
9	2	77.1	13	1329.0	-	5.309538
10	1	77.6	10	-	-	6.254036
11	2	85.6	10	1471.0	-	6.711073
12	1	73.9	14	-	-	7.418075
13	1	73.5	13	-	-	8.010647
14	1	52.9	9	-	-	8.507322
15	2	72.6	13	1177.0	-	9.400647
16	2	68.2	16	1385.0	-	9.611982
17	3	56.5	17	1350.0	1671.0	10.574844
18	2	81.7	5	1745.0	-	10.951699
19	2	52.9	8	1859.0	-	11.437771

Table 39 - 20MHz_BW Long Sequence Waveform Trial#28 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	85.6	10	1630.0	-	0.254877
2	1	56.2	13	-	-	1.516883
3	3	77.9	14	1960.0	1881.0	2.481967
4	2	83.4	17	1802.0	-	3.369435
5	1	64.9	13	-	-	4.715822
6	2	88.4	20	1139.0	-	5.628553
7	1	95.1	15	-	-	6.205960
8	3	98.5	11	1168.0	1419.0	7.013995
9	3	59.9	7	1913.0	1710.0	8.331628
10	1	79.7	18	-	-	9.582126
11	3	75.0	19	1674.0	1350.0	10.776572
12	3	59.0	14	1351.0	1639.0	11.160185

Table 40 - 20MHz_BW 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	99.6	10	1188.0	1658.0	1.046508
2	2	88.5	19	1446.0	-	1.630388
3	3	95.2	7	1164.0	1367.0	2.298201
4	2	72.9	9	1553.0	-	4.263083
5	2	53.5	17	1020.0	-	4.955605
6	3	67.5	16	1661.0	1130.0	6.341457
7	3	99.8	19	1513.0	1473.0	6.841022
8	2	83.3	11	1171.0	-	7.732181
9	3	72.5	10	1360.0	1000.0	9.489783
10	2	92.6	12	1418.0	-	10.780498
11	3	98.0	7	1782.0	1950.0	11.568755

Table 41 - 20MHz_BW Long Sequence Waveform Trial#30 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	58.0	14	1797.0	-	0.088906
2	3	55.5	19	1065.0	1331.0	1.120583
3	3	67.5	20	1276.0	1134.0	2.896489
4	2	59.2	18	1897.0	-	4.263753
5	3	79.8	15	1661.0	1270.0	5.171930
6	3	57.2	10	1418.0	1301.0	6.225433
7	1	75.0	5	-	-	6.870101
8	2	91.7	15	1610.0	-	8.047433
9	2	78.7	13	1467.0	-	9.572348
10	1	85.8	8	-	-	10.885051
11	1	76.2	9	-	-	11.785296

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5308.0MHz, -64.0dBm	Hop sequence: 5653, 5409, 5334, 5648, 5373, 5554, 5674, 5427, 5577, 5613, 5469, 5308, 5296, 5616, 5347, 5604, 5466, 5318, 5622, 5548, 5597, 5600, 5509, 5610, 5266, 5676, 5402, 5607, 5274, 5459, 5434, 5717, 5691, 5571, 5378, 5706, 5461, 5467, 5594, 5310, 5524, 5341, 5275, 5713, 5667, 5484, 5475, 5471, 5566, 5680, 5418, 5425, 5311, 5370, 5396, 5501, 5436, 5291, 5375, 5701, 5698, 5383, 5429, 5433, 5349, 5332, 5354, 5608, 5575, 5287, 5465, 5536, 5687, 5705, 5345, 5715, 5279, 5284, 5661, 5357, 5305, 5672, 5545, 5573, 5508, 5644, 5410, 5487, 5419, 5511, 5403, 5513, 5301, 5474, 5563, 5637, 5462, 5265, 5364, 5449 (5 hits) (12/14/2009 02:11:29 PM)
2	9	1.0	333.0	Yes	5309.0MHz, -64.0dBm	Hop sequence: 5669, 5468, 5548, 5313, 5622, 5339, 5426, 5563, 5400, 5480, 5380, 5496, 5584, 5368, 5460, 5684, 5637, 5659, 5336, 5295, 5531, 5620, 5503, 5378, 5298, 5371, 5582, 5519, 5723, 5716, 5377, 5271, 5661, 5431, 5337, 5444, 5311, 5417, 5403, 5274, 5282, 5448, 5623, 5321, 5559, 5406, 5305, 5526, 5434, 5590, 5541, 5516, 5351, 5534, 5676, 5404, 5436, 5604, 5615, 5429, 5711, 5718, 5421, 5332, 5542, 5482, 5626, 5341, 5424, 5334, 5513, 5442, 5693, 5493, 5353, 5259, 5506, 5585, 5636, 5464, 5512, 5382, 5648, 5465, 5634, 5504, 5257, 5715, 5408, 5479, 5502, 5501, 5490, 5703, 5361, 5638, 5700, 5384, 5707, 5546 (3 hits) (12/14/2009 02:11:55 PM)

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5291.0MHz, -64.0dBm	Hop sequence: 5380, 5712, 5601, 5711, 5425, 5699, 5415, 5526, 5440, 5453, 5552, 5397, 5482, 5664, 5334, 5358, 5624, 5565, 5600, 5274, 5494, 5606, 5688, 5476, 5595, 5705, 5444, 5710, 5417, 5382, 5391, 5332, 5357, 5437, 5497, 5652, 5632, 5385, 5428, 5289, 5270, 5413, 5721, 5681, 5421, 5277, 5448, 5424, 5344, 5640, 5668, 5508, 5621, 5703, 5555, 5571, 5557, 5299, 5696, 5575, 5558, 5255, 5667, 5698, 5454, 5392, 5343, 5639, 5556, 5566, 5280, 5522, 5411, 5284, 5416, 5365, 5648, 5409, 5561, 5604, 5682, 5709, 5345, 5383, 5379, 5375, 5675, 5366, 5419, 5359, 5636, 5260, 5706, 5474, 5401, 5569, 5298, 5656, 5610, 5368 (2 hits) (12/14/2009 02:14:34 PM)
4	9	1.0	333.0	Yes	5292.0MHz, -64.0dBm	Hop sequence: 5692, 5600, 5531, 5283, 5552, 5252, 5443, 5701, 5724, 5316, 5334, 5699, 5582, 5439, 5364, 5499, 5464, 5349, 5465, 5479, 5300, 5379, 5373, 5454, 5689, 5682, 5514, 5554, 5593, 5674, 5291, 5380, 5475, 5588, 5460, 5255, 5504, 5525, 5690, 5347, 5719, 5277, 5572, 5644, 5658, 5459, 5284, 5352, 5678, 5703, 5282, 5597, 5399, 5275, 5533, 5354, 5594, 5576, 5351, 5627, 5411, 5456, 5258, 5462, 5555, 5414, 5667, 5671, 5260, 5372, 5324, 5430, 5596, 5332, 5530, 5549, 5501, 5296, 5664, 5697, 5327, 5423, 5361, 5548, 5717, 5541, 5707, 5589, 5528, 5469, 5455, 5575, 5659, 5376, 5510, 5289, 5457, 5413, 5473, 5319 (3 hits) (12/14/2009 02:15:01 PM)
5	9	1.0	333.0	Yes	5293.0MHz, -64.0dBm	Hop sequence: 5399, 5527, 5655, 5469, 5604, 5459, 5520, 5694, 5696, 5371, 5639, 5678, 5292, 5256, 5718, 5505, 5632, 5367, 5286, 5504, 5312, 5560, 5548, 5637, 5443, 5351, 5450, 5629, 5603, 5432, 5302, 5434, 5429, 5259, 5257, 5261, 5298, 5250, 5481, 5576, 5317, 5270, 5508, 5627, 5563, 5528, 5725, 5430, 5700, 5538, 5497, 5468, 5502, 5581, 5437, 5308, 5521, 5431, 5463, 5281, 5358, 5442, 5471, 5418, 5551, 5404, 5388, 5661, 5668, 5602, 5278, 5452, 5491, 5262, 5609, 5438, 5307, 5665, 5478, 5500, 5403, 5553, 5568, 5570, 5587, 5425, 5569, 5255, 5440, 5341, 5494, 5375, 5516, 5267, 5704, 5651, 5344, 5529, 5699, 5506 (5 hits) (12/14/2009 02:16:08 PM)
6	9	1.0	333.0	Yes	5294.0MHz,	Hop sequence: 5677, 5313, 5564, 5264,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	5366, 5649, 5722, 5305, 5675, 5386, 5520, 5464, 5600, 5372, 5485, 5510, 5429, 5459, 5553, 5541, 5615, 5597, 5333, 5500, 5368, 5522, 5299, 5351, 5511, 5467, 5595, 5651, 5321, 5528, 5525, 5479, 5345, 5629, 5668, 5357, 5672, 5555, 5255, 5343, 5473, 5304, 5704, 5680, 5258, 5725, 5410, 5634, 5379, 5446, 5513, 5414, 5599, 5691, 5295, 5412, 5469, 5678, 5445, 5280, 5613, 5495, 5552, 5390, 5661, 5438, 5405, 5350, 5320, 5604, 5406, 5583, 5370, 5659, 5290, 5378, 5456, 5493, 5533, 5663, 5331, 5726, 5671, 5698, 5714, 5457, 5590, 5501, 5606, 5707, 5575, 5587, 5279, 5277, 5534, 5709 (4 hits) (12/14/2009 02:16:49 PM)
7	9	1.0	333.0	Yes	5295.0MHz, -64.0dBm	Hop sequence: 5712, 5537, 5581, 5449, 5453, 5277, 5448, 5413, 5597, 5545, 5582, 5357, 5472, 5677, 5625, 5672, 5330, 5586, 5361, 5369, 5327, 5393, 5704, 5375, 5518, 5426, 5654, 5451, 5658, 5630, 5266, 5301, 5338, 5522, 5544, 5312, 5649, 5365, 5694, 5340, 5710, 5446, 5261, 5364, 5423, 5584, 5433, 5675, 5382, 5487, 5424, 5623, 5434, 5513, 5406, 5331, 5256, 5298, 5569, 5676, 5558, 5455, 5648, 5254, 5262, 5439, 5663, 5370, 5275, 5646, 5615, 5529, 5485, 5693, 5720, 5520, 5687, 5502, 5497, 5493, 5560, 5344, 5716, 5686, 5604, 5588, 5420, 5415, 5583, 5310, 5685, 5311, 5368, 5705, 5258, 5435, 5553, 5494, 5521, 5673 (2 hits) (12/14/2009 02:17:16 PM)
8	9	1.0	333.0	Yes	5296.0MHz, -64.0dBm	Hop sequence: 5387, 5666, 5675, 5360, 5419, 5424, 5677, 5318, 5610, 5588, 5622, 5395, 5332, 5646, 5376, 5533, 5415, 5598, 5534, 5722, 5623, 5317, 5351, 5261, 5386, 5710, 5366, 5396, 5609, 5484, 5373, 5288, 5257, 5706, 5363, 5280, 5448, 5704, 5486, 5391, 5625, 5556, 5631, 5650, 5268, 5425, 5523, 5657, 5611, 5562, 5264, 5346, 5615, 5286, 5545, 5600, 5636, 5587, 5372, 5441, 5301, 5290, 5417, 5604, 5620, 5420, 5481, 5271, 5642, 5571, 5468, 5496, 5670, 5282, 5255, 5330, 5393, 5664, 5680, 5576, 5338, 5565, 5676, 5364, 5474, 5583, 5643, 5543, 5539, 5712, 5446, 5700, 5692, 5524, 5658, 5378, 5542, 5353, 5577, 5450 (1 hits) (12/14/2009 02:22:55 PM)
9	9	1.0	333.0	No	5297.0MHz, -64.0dBm	Hop sequence: 5667, 5655, 5320, 5450, 5495, 5490, 5305, 5271, 5433, 5649,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5410, 5314, 5687, 5272, 5679, 5465, 5540, 5656, 5547, 5719, 5565, 5404, 5423, 5513, 5574, 5651, 5632, 5635, 5470, 5407, 5474, 5650, 5480, 5436, 5285, 5432, 5408, 5417, 5437, 5487, 5711, 5518, 5496, 5269, 5399, 5662, 5704, 5491, 5639, 5608, 5341, 5313, 5412, 5370, 5306, 5338, 5328, 5537, 5701, 5347, 5648, 5335, 5548, 5514, 5477, 5332, 5532, 5642, 5290, 5607, 5409, 5351, 5485, 5703, 5562, 5380, 5684, 5352, 5613, 5600, 5634, 5669, 5434, 5468, 5327, 5620, 5373, 5572, 5604, 5252, 5390, 5529, 5311, 5472, 5358, 5372, 5549, 5439, 5357, 5707 (2 hits) (12/14/2009 02:23:41 PM)
10	9	1.0	333.0	Yes	5298.0MHz, -64.0dBm	Hop sequence: 5283, 5301, 5700, 5286, 5641, 5269, 5296, 5675, 5358, 5715, 5677, 5705, 5611, 5369, 5640, 5527, 5453, 5615, 5411, 5693, 5350, 5308, 5633, 5576, 5404, 5341, 5461, 5363, 5563, 5724, 5605, 5643, 5343, 5417, 5562, 5280, 5671, 5431, 5594, 5376, 5454, 5577, 5309, 5314, 5290, 5679, 5506, 5491, 5541, 5604, 5310, 5372, 5555, 5657, 5599, 5651, 5282, 5469, 5263, 5321, 5362, 5521, 5466, 5603, 5326, 5275, 5579, 5637, 5436, 5489, 5511, 5573, 5348, 5488, 5532, 5429, 5535, 5434, 5498, 5333, 5494, 5418, 5509, 5667, 5305, 5540, 5660, 5456, 5256, 5644, 5427, 5701, 5371, 5312, 5632, 5627, 5284, 5570, 5318, 5340 (5 hits) (12/14/2009 02:24:09 PM)
11	9	1.0	333.0	Yes	5299.0MHz, -64.0dBm	Hop sequence: 5605, 5694, 5383, 5633, 5475, 5367, 5484, 5324, 5435, 5502, 5584, 5260, 5672, 5719, 5524, 5472, 5271, 5609, 5638, 5702, 5689, 5290, 5405, 5416, 5706, 5684, 5661, 5322, 5654, 5501, 5610, 5520, 5510, 5292, 5523, 5418, 5253, 5498, 5517, 5552, 5725, 5343, 5710, 5428, 5593, 5493, 5288, 5559, 5459, 5700, 5374, 5281, 5716, 5338, 5591, 5255, 5330, 5266, 5659, 5460, 5294, 5685, 5709, 5275, 5528, 5542, 5521, 5571, 5468, 5480, 5471, 5325, 5469, 5653, 5423, 5674, 5548, 5597, 5669, 5522, 5395, 5506, 5690, 5276, 5695, 5427, 5310, 5464, 5688, 5373, 5595, 5563, 5332, 5579, 5596, 5432, 5601, 5351, 5640, 5683 (2 hits) (12/14/2009 02:24:32 PM)
12	9	1.0	333.0	Yes	5300.0MHz, -64.0dBm	Hop sequence: 5278, 5377, 5648, 5548, 5336, 5523, 5612, 5686, 5418, 5396, 5304, 5664, 5367, 5365, 5659, 5355,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5653, 5540, 5268, 5542, 5609, 5551, 5676, 5468, 5720, 5362, 5603, 5646, 5474, 5715, 5638, 5373, 5510, 5573, 5257, 5566, 5584, 5569, 5553, 5669, 5340, 5458, 5701, 5526, 5719, 5279, 5500, 5251, 5607, 5392, 5296, 5266, 5466, 5698, 5552, 5437, 5685, 5345, 5317, 5496, 5592, 5344, 5623, 5718, 5388, 5709, 5346, 5467, 5556, 5549, 5683, 5478, 5645, 5465, 5405, 5527, 5314, 5598, 5450, 5578, 5283, 5401, 5498, 5624, 5325, 5670, 5594, 5628, 5297, 5582, 5513, 5354, 5380, 5375, 5568, 5342, 5371, 5610, 5629, 5356 (3 hits) (12/14/2009 02:24:47 PM)
13	9	1.0	333.0	Yes	5301.0MHz, -64.0dBm	Hop sequence: 5300, 5487, 5490, 5496, 5615, 5322, 5437, 5626, 5549, 5649, 5332, 5507, 5267, 5529, 5658, 5716, 5586, 5718, 5426, 5611, 5552, 5654, 5589, 5296, 5592, 5607, 5707, 5538, 5327, 5590, 5551, 5364, 5685, 5382, 5325, 5391, 5659, 5554, 5429, 5633, 5541, 5282, 5515, 5564, 5326, 5712, 5456, 5665, 5710, 5629, 5588, 5580, 5330, 5377, 5389, 5647, 5486, 5682, 5328, 5671, 5357, 5457, 5295, 5351, 5527, 5250, 5484, 5323, 5558, 5254, 5689, 5573, 5512, 5546, 5418, 5516, 5722, 5631, 5279, 5452, 5703, 5627, 5471, 5701, 5632, 5681, 5272, 5450, 5704, 5555, 5350, 5319, 5455, 5523, 5423, 5702, 5374, 5709, 5375, 5420 (3 hits) (12/14/2009 02:25:10 PM)
14	9	1.0	333.0	Yes	5302.0MHz, -64.0dBm	Hop sequence: 5412, 5572, 5265, 5497, 5527, 5699, 5510, 5471, 5300, 5301, 5304, 5457, 5310, 5309, 5466, 5707, 5689, 5461, 5614, 5488, 5361, 5514, 5563, 5704, 5538, 5255, 5328, 5589, 5335, 5295, 5299, 5602, 5578, 5472, 5480, 5516, 5344, 5349, 5700, 5580, 5463, 5693, 5346, 5330, 5292, 5369, 5454, 5342, 5502, 5511, 5396, 5585, 5258, 5257, 5439, 5427, 5470, 5637, 5662, 5531, 5303, 5443, 5622, 5495, 5271, 5522, 5544, 5656, 5548, 5314, 5677, 5287, 5371, 5252, 5362, 5313, 5597, 5456, 5468, 5308, 5554, 5430, 5318, 5356, 5278, 5355, 5649, 5617, 5642, 5296, 5422, 5290, 5410, 5460, 5286, 5273, 5505, 5645, 5720, 5437 (10 hits) (12/14/2009 02:25:24 PM)
15	9	1.0	333.0	Yes	5303.0MHz, -64.0dBm	Hop sequence: 5364, 5463, 5260, 5469, 5475, 5636, 5637, 5252, 5513, 5471, 5284, 5579, 5290, 5341, 5460, 5410, 5356, 5618, 5301, 5697, 5679, 5455,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5282, 5721, 5528, 5266, 5261, 5666, 5353, 5591, 5597, 5642, 5709, 5578, 5564, 5683, 5481, 5521, 5504, 5580, 5594, 5449, 5491, 5253, 5427, 5601, 5553, 5401, 5383, 5617, 5559, 5629, 5611, 5674, 5436, 5544, 5663, 5302, 5437, 5415, 5708, 5639, 5511, 5480, 5482, 5316, 5345, 5324, 5285, 5394, 5548, 5592, 5502, 5332, 5280, 5354, 5376, 5346, 5543, 5264, 5707, 5698, 5696, 5538, 5590, 5718, 5377, 5499, 5549, 5361, 5404, 5599, 5305, 5653, 5422, 5598, 5672, 5520, 5587, 5677 (3 hits) (12/14/2009 02:25:37 PM)
16	9	1.0	333.0	Yes	5304.0MHz, -64.0dBm	Hop sequence: 5551, 5415, 5441, 5645, 5330, 5659, 5643, 5649, 5547, 5319, 5344, 5703, 5470, 5433, 5691, 5438, 5301, 5663, 5457, 5715, 5711, 5265, 5658, 5405, 5363, 5687, 5502, 5583, 5273, 5619, 5468, 5396, 5335, 5471, 5550, 5379, 5660, 5480, 5487, 5268, 5413, 5719, 5565, 5579, 5572, 5374, 5447, 5334, 5397, 5674, 5252, 5665, 5293, 5275, 5464, 5272, 5709, 5461, 5671, 5681, 5542, 5686, 5616, 5360, 5404, 5309, 5588, 5618, 5699, 5297, 5549, 5467, 5635, 5364, 5522, 5596, 5591, 5283, 5277, 5285, 5543, 5365, 5251, 5386, 5436, 5725, 5484, 5723, 5409, 5623, 5473, 5332, 5554, 5582, 5489, 5393, 5323, 5331, 5529, 5531 (4 hits) (12/14/2009 02:26:08 PM)
17	9	1.0	333.0	Yes	5305.0MHz, -64.0dBm	Hop sequence: 5513, 5617, 5542, 5473, 5579, 5388, 5266, 5463, 5598, 5455, 5514, 5724, 5699, 5524, 5595, 5650, 5711, 5422, 5430, 5503, 5494, 5444, 5341, 5487, 5625, 5563, 5652, 5379, 5489, 5367, 5719, 5310, 5643, 5502, 5520, 5325, 5330, 5660, 5273, 5322, 5279, 5510, 5425, 5712, 5677, 5655, 5272, 5309, 5250, 5499, 5560, 5380, 5656, 5364, 5647, 5693, 5389, 5403, 5698, 5586, 5657, 5405, 5478, 5678, 5637, 5593, 5327, 5547, 5692, 5390, 5298, 5681, 5378, 5334, 5572, 5470, 5566, 5281, 5576, 5700, 5344, 5439, 5276, 5714, 5511, 5391, 5620, 5359, 5709, 5616, 5495, 5333, 5599, 5299, 5429, 5621, 5362, 5713, 5297, 5461 (4 hits) (12/14/2009 02:26:22 PM)
18	9	1.0	333.0	Yes	5306.0MHz, -64.0dBm	Hop sequence: 5444, 5680, 5408, 5677, 5687, 5424, 5479, 5304, 5271, 5382, 5600, 5665, 5397, 5279, 5567, 5601, 5458, 5442, 5660, 5291, 5539, 5475, 5399, 5352, 5590, 5609, 5507, 5516,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5311, 5416, 5546, 5542, 5302, 5613, 5614, 5646, 5517, 5541, 5558, 5500, 5695, 5627, 5566, 5314, 5504, 5383, 5297, 5647, 5341, 5598, 5624, 5714, 5457, 5301, 5664, 5393, 5445, 5360, 5510, 5569, 5435, 5605, 5487, 5722, 5661, 5281, 5699, 5700, 5384, 5470, 5325, 5547, 5460, 5549, 5643, 5675, 5438, 5373, 5419, 5253, 5446, 5611, 5629, 5478, 5375, 5347, 5328, 5594, 5710, 5296, 5420, 5477, 5693, 5312, 5679, 5331, 5350, 5485, 5355, 5489 (6 hits) (12/14/2009 02:26:33 PM)
19	9	1.0	333.0	Yes	5307.0MHz, -64.0dBm	Hop sequence: 5637, 5566, 5489, 5293, 5479, 5424, 5300, 5276, 5268, 5279, 5717, 5625, 5690, 5632, 5680, 5468, 5705, 5336, 5472, 5358, 5351, 5512, 5387, 5459, 5335, 5316, 5251, 5343, 5672, 5534, 5550, 5331, 5261, 5557, 5526, 5683, 5267, 5328, 5330, 5626, 5556, 5553, 5286, 5451, 5436, 5273, 5615, 5652, 5529, 5406, 5718, 5454, 5629, 5450, 5570, 5314, 5687, 5563, 5594, 5587, 5423, 5431, 5357, 5483, 5389, 5329, 5464, 5700, 5548, 5539, 5484, 5627, 5379, 5554, 5291, 5653, 5669, 5616, 5346, 5441, 5555, 5624, 5647, 5578, 5630, 5586, 5380, 5691, 5435, 5312, 5254, 5503, 5665, 5327, 5274, 5392, 5365, 5352, 5573, 5542 (3 hits) (12/14/2009 02:26:54 PM)
20	9	1.0	333.0	Yes	5308.0MHz, -64.0dBm	Hop sequence: 5257, 5556, 5354, 5558, 5692, 5536, 5647, 5276, 5463, 5554, 5456, 5630, 5515, 5721, 5250, 5460, 5464, 5293, 5406, 5699, 5652, 5601, 5626, 5627, 5648, 5452, 5468, 5328, 5559, 5574, 5580, 5684, 5639, 5360, 5339, 5436, 5524, 5611, 5604, 5431, 5643, 5522, 5473, 5494, 5342, 5358, 5570, 5398, 5283, 5410, 5277, 5489, 5364, 5294, 5302, 5441, 5462, 5564, 5621, 5280, 5664, 5355, 5704, 5526, 5595, 5419, 5376, 5485, 5459, 5296, 5690, 5641, 5638, 5368, 5589, 5654, 5514, 5666, 5625, 5581, 5415, 5529, 5673, 5531, 5306, 5314, 5304, 5454, 5513, 5324, 5389, 5602, 5714, 5619, 5694, 5403, 5393, 5311, 5307, 5256 (7 hits) (12/14/2009 02:27:09 PM)
21	9	1.0	333.0	Yes	5309.0MHz, -64.0dBm	Hop sequence: 5390, 5425, 5416, 5478, 5567, 5490, 5469, 5502, 5305, 5441, 5575, 5347, 5406, 5474, 5519, 5294, 5549, 5485, 5471, 5524, 5507, 5280, 5282, 5681, 5680, 5701, 5444, 5422, 5709, 5382, 5459, 5430, 5410, 5628,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5717, 5647, 5346, 5710, 5543, 5434, 5635, 5470, 5254, 5424, 5486, 5309, 5439, 5638, 5713, 5672, 5607, 5650, 5386, 5616, 5506, 5255, 5349, 5447, 5281, 5411, 5378, 5311, 5703, 5601, 5453, 5361, 5252, 5465, 5359, 5712, 5591, 5708, 5500, 5593, 5489, 5631, 5626, 5331, 5250, 5622, 5351, 5722, 5328, 5312, 5570, 5595, 5393, 5293, 5532, 5338, 5561, 5482, 5596, 5691, 5289, 5372, 5375, 5512, 5409, 5423 (4 hits) (12/14/2009 02:27:22 PM)
22	9	1.0	333.0	Yes	5291.0MHz, -64.0dBm	Hop sequence: 5320, 5529, 5526, 5542, 5654, 5345, 5294, 5660, 5349, 5716, 5315, 5533, 5696, 5625, 5324, 5443, 5608, 5567, 5606, 5695, 5270, 5571, 5603, 5525, 5507, 5649, 5326, 5685, 5510, 5486, 5300, 5414, 5551, 5566, 5399, 5311, 5303, 5682, 5680, 5332, 5396, 5580, 5421, 5619, 5459, 5458, 5515, 5434, 5427, 5347, 5318, 5669, 5659, 5570, 5261, 5266, 5462, 5256, 5342, 5306, 5254, 5519, 5463, 5499, 5359, 5341, 5461, 5621, 5509, 5546, 5652, 5292, 5681, 5688, 5464, 5605, 5602, 5692, 5265, 5297, 5584, 5385, 5468, 5501, 5511, 5645, 5722, 5373, 5362, 5617, 5405, 5640, 5631, 5470, 5450, 5478, 5656, 5586, 5301, 5449 (7 hits) (12/14/2009 02:28:15 PM)
23	9	1.0	333.0	Yes	5292.0MHz, -64.0dBm	Hop sequence: 5348, 5652, 5481, 5560, 5321, 5290, 5404, 5582, 5430, 5346, 5602, 5345, 5309, 5724, 5368, 5500, 5479, 5373, 5691, 5251, 5543, 5296, 5609, 5455, 5266, 5443, 5310, 5520, 5318, 5653, 5517, 5694, 5544, 5275, 5689, 5569, 5326, 5306, 5411, 5595, 5362, 5400, 5663, 5513, 5448, 5552, 5613, 5528, 5377, 5268, 5396, 5590, 5540, 5680, 5718, 5502, 5703, 5297, 5711, 5325, 5444, 5551, 5384, 5622, 5374, 5342, 5482, 5599, 5719, 5720, 5674, 5317, 5380, 5581, 5637, 5526, 5644, 5617, 5671, 5547, 5289, 5263, 5420, 5370, 5605, 5402, 5456, 5692, 5280, 5452, 5324, 5541, 5424, 5589, 5282, 5409, 5593, 5588, 5621, 5555 (4 hits) (12/14/2009 02:29:09 PM)
24	9	1.0	333.0	Yes	5293.0MHz, -64.0dBm	Hop sequence: 5594, 5615, 5453, 5705, 5431, 5530, 5325, 5693, 5391, 5664, 5591, 5462, 5689, 5541, 5590, 5427, 5344, 5457, 5592, 5313, 5690, 5377, 5417, 5648, 5662, 5297, 5550, 5380, 5682, 5342, 5701, 5310, 5626, 5301, 5357, 5358, 5570, 5346, 5326, 5619,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5450, 5420, 5406, 5567, 5341, 5426, 5601, 5629, 5327, 5571, 5330, 5265, 5381, 5386, 5454, 5576, 5355, 5673, 5438, 5683, 5455, 5419, 5443, 5647, 5489, 5470, 5414, 5332, 5512, 5263, 5549, 5374, 5577, 5509, 5564, 5451, 5307, 5276, 5630, 5586, 5461, 5518, 5700, 5579, 5418, 5523, 5315, 5508, 5294, 5543, 5568, 5473, 5515, 5535, 5631, 5416, 5633, 5375, 5268, 5517 (4 hits) (12/14/2009 02:29:23 PM)
25	9	1.0	333.0	Yes	5294.0MHz, -64.0dBm	Hop sequence: 5543, 5663, 5511, 5688, 5722, 5338, 5445, 5477, 5396, 5293, 5398, 5284, 5556, 5621, 5642, 5564, 5323, 5345, 5709, 5573, 5327, 5702, 5697, 5660, 5302, 5453, 5267, 5299, 5525, 5569, 5374, 5661, 5626, 5287, 5449, 5510, 5431, 5584, 5605, 5289, 5437, 5353, 5652, 5309, 5303, 5370, 5678, 5672, 5563, 5316, 5360, 5512, 5294, 5328, 5423, 5578, 5656, 5673, 5376, 5647, 5369, 5566, 5527, 5319, 5535, 5700, 5519, 5371, 5579, 5275, 5705, 5258, 5701, 5424, 5718, 5495, 5638, 5384, 5591, 5262, 5711, 5555, 5292, 5600, 5427, 5361, 5551, 5304, 5409, 5627, 5716, 5310, 5588, 5446, 5631, 5260, 5548, 5393, 5679, 5277 (8 hits) (12/14/2009 02:29:34 PM)
26	9	1.0	333.0	Yes	5295.0MHz, -64.0dBm	Hop sequence: 5303, 5583, 5430, 5420, 5278, 5726, 5474, 5575, 5498, 5393, 5538, 5636, 5626, 5304, 5400, 5719, 5288, 5453, 5280, 5298, 5330, 5277, 5492, 5510, 5651, 5473, 5556, 5345, 5600, 5300, 5429, 5464, 5518, 5661, 5511, 5284, 5691, 5543, 5618, 5450, 5523, 5321, 5307, 5659, 5299, 5648, 5368, 5564, 5578, 5633, 5374, 5376, 5276, 5582, 5267, 5663, 5614, 5406, 5349, 5514, 5702, 5522, 5496, 5425, 5664, 5360, 5683, 5584, 5497, 5316, 5475, 5297, 5509, 5560, 5632, 5332, 5585, 5361, 5565, 5340, 5521, 5265, 5439, 5516, 5405, 5293, 5660, 5410, 5552, 5639, 5451, 5255, 5571, 5437, 5262, 5602, 5662, 5637, 5542, 5612 (8 hits) (12/14/2009 02:29:48 PM)
27	9	1.0	333.0	Yes	5296.0MHz, -64.0dBm	Hop sequence: 5558, 5319, 5468, 5393, 5582, 5430, 5326, 5448, 5362, 5613, 5686, 5353, 5259, 5527, 5681, 5370, 5412, 5431, 5669, 5498, 5628, 5594, 5716, 5565, 5567, 5397, 5459, 5642, 5508, 5329, 5479, 5644, 5705, 5607, 5286, 5590, 5368, 5372, 5425, 5300, 5452, 5343, 5336, 5671, 5388, 5279,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5340, 5621, 5411, 5496, 5263, 5456, 5614, 5586, 5419, 5445, 5602, 5387, 5486, 5522, 5366, 5630, 5702, 5330, 5350, 5493, 5436, 5550, 5252, 5583, 5418, 5543, 5664, 5253, 5476, 5700, 5504, 5571, 5633, 5559, 5665, 5515, 5432, 5560, 5414, 5442, 5383, 5667, 5695, 5438, 5578, 5656, 5580, 5604, 5303, 5619, 5434, 5281, 5566, 5677 (2 hits) (12/14/2009 02:30:22 PM)
28	9	1.0	333.0	Yes	5297.0MHz, -64.0dBm	Hop sequence: 5536, 5445, 5418, 5456, 5408, 5459, 5265, 5264, 5292, 5543, 5359, 5592, 5609, 5565, 5595, 5668, 5448, 5523, 5557, 5710, 5439, 5368, 5303, 5692, 5281, 5637, 5379, 5364, 5409, 5387, 5332, 5613, 5539, 5712, 5451, 5390, 5512, 5676, 5631, 5389, 5597, 5407, 5567, 5533, 5559, 5285, 5324, 5318, 5681, 5360, 5290, 5402, 5593, 5393, 5414, 5711, 5521, 5429, 5504, 5338, 5551, 5690, 5638, 5422, 5361, 5622, 5378, 5707, 5717, 5328, 5411, 5461, 5691, 5258, 5262, 5677, 5694, 5541, 5312, 5689, 5695, 5348, 5315, 5468, 5584, 5685, 5647, 5309, 5596, 5355, 5653, 5396, 5666, 5611, 5276, 5641, 5639, 5606, 5726, 5722 (3 hits) (12/14/2009 02:30:40 PM)
29	9	1.0	333.0	Yes	5298.0MHz, -64.0dBm	Hop sequence: 5608, 5698, 5577, 5356, 5436, 5443, 5604, 5377, 5722, 5583, 5644, 5410, 5318, 5382, 5430, 5550, 5586, 5380, 5598, 5613, 5264, 5441, 5288, 5611, 5651, 5624, 5296, 5371, 5366, 5484, 5343, 5378, 5645, 5435, 5497, 5513, 5390, 5338, 5529, 5329, 5432, 5600, 5675, 5389, 5699, 5657, 5638, 5694, 5357, 5516, 5483, 5429, 5300, 5479, 5376, 5653, 5433, 5287, 5404, 5603, 5355, 5661, 5397, 5327, 5274, 5530, 5442, 5561, 5507, 5317, 5666, 5524, 5421, 5672, 5724, 5363, 5494, 5708, 5580, 5623, 5533, 5427, 5293, 5474, 5554, 5588, 5718, 5700, 5272, 5302, 5281, 5678, 5528, 5717, 5631, 5314, 5414, 5284, 5627, 5418 (4 hits) (12/14/2009 02:31:35 PM)
30	9	1.0	333.0	Yes	5299.0MHz, -64.0dBm	Hop sequence: 5610, 5637, 5310, 5487, 5576, 5724, 5319, 5306, 5268, 5672, 5463, 5650, 5470, 5651, 5481, 5258, 5396, 5641, 5273, 5646, 5693, 5272, 5705, 5407, 5281, 5606, 5388, 5636, 5703, 5707, 5328, 5322, 5304, 5419, 5447, 5515, 5411, 5591, 5542, 5534, 5517, 5540, 5305, 5669, 5587, 5716, 5264, 5302, 5344, 5369, 5572, 5623,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5448, 5645, 5571, 5366, 5598, 5356, 5381, 5274, 5616, 5528, 5453, 5421, 5469, 5359, 5643, 5420, 5349, 5670, 5555, 5371, 5524, 5406, 5338, 5401, 5655, 5330, 5658, 5435, 5581, 5627, 5289, 5466, 5629, 5683, 5712, 5405, 5278, 5566, 5333, 5377, 5671, 5700, 5567, 5583, 5471, 5713, 5486, 5722 (4 hits) (12/14/2009 02:32:36 PM)
31	9	1.0	333.0	Yes	5300.0MHz, -64.0dBm	Hop sequence: 5688, 5315, 5419, 5585, 5341, 5623, 5695, 5420, 5504, 5690, 5483, 5719, 5447, 5677, 5262, 5340, 5654, 5433, 5274, 5509, 5337, 5465, 5630, 5285, 5553, 5542, 5544, 5535, 5710, 5468, 5621, 5658, 5503, 5287, 5629, 5353, 5589, 5330, 5387, 5251, 5302, 5427, 5397, 5543, 5374, 5482, 5364, 5416, 5541, 5424, 5281, 5571, 5373, 5682, 5716, 5570, 5366, 5259, 5637, 5511, 5299, 5320, 5357, 5356, 5618, 5294, 5685, 5469, 5459, 5310, 5720, 5278, 5284, 5676, 5379, 5500, 5276, 5526, 5409, 5661, 5474, 5304, 5472, 5453, 5393, 5495, 5295, 5273, 5564, 5602, 5697, 5264, 5412, 5527, 5292, 5398, 5394, 5530, 5496, 5663 (6 hits) (12/14/2009 02:32:53 PM)
32	9	1.0	333.0	Yes	5301.0MHz, -64.0dBm	Hop sequence: 5613, 5287, 5380, 5452, 5685, 5698, 5331, 5653, 5255, 5673, 5496, 5400, 5490, 5398, 5373, 5495, 5381, 5481, 5558, 5513, 5499, 5674, 5630, 5564, 5655, 5269, 5445, 5648, 5393, 5413, 5580, 5282, 5713, 5399, 5573, 5350, 5659, 5559, 5431, 5541, 5412, 5362, 5257, 5701, 5579, 5526, 5512, 5483, 5263, 5330, 5469, 5358, 5542, 5575, 5265, 5601, 5446, 5316, 5549, 5411, 5372, 5254, 5663, 5293, 5478, 5672, 5325, 5354, 5329, 5635, 5415, 5528, 5334, 5520, 5418, 5563, 5458, 5390, 5636, 5487, 5443, 5394, 5699, 5283, 5606, 5409, 5388, 5332, 5461, 5508, 5429, 5682, 5708, 5660, 5396, 5689, 5566, 5352, 5665, 5639 (1 hits) (12/14/2009 02:33:04 PM)
33	9	1.0	333.0	Yes	5302.0MHz, -64.0dBm	Hop sequence: 5386, 5375, 5332, 5646, 5296, 5513, 5535, 5524, 5725, 5542, 5492, 5536, 5717, 5433, 5694, 5650, 5290, 5496, 5686, 5645, 5538, 5575, 5468, 5612, 5451, 5668, 5701, 5506, 5548, 5251, 5380, 5393, 5371, 5558, 5657, 5539, 5252, 5342, 5428, 5487, 5579, 5392, 5254, 5512, 5474, 5282, 5337, 5276, 5256, 5679, 5703, 5452, 5405, 5294, 5373, 5572, 5721, 5638,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5498, 5726, 5328, 5295, 5318, 5432, 5281, 5438, 5693, 5699, 5467, 5588, 5486, 5465, 5470, 5320, 5365, 5462, 5278, 5311, 5582, 5449, 5551, 5569, 5707, 5562, 5656, 5518, 5537, 5556, 5600, 5273, 5262, 5519, 5399, 5275, 5323, 5665, 5581, 5605, 5613, 5261 (3 hits) (12/14/2009 02:33:28 PM)
34	9	1.0	333.0	Yes	5303.0MHz, -64.0dBm	Hop sequence: 5562, 5613, 5559, 5488, 5276, 5607, 5662, 5277, 5494, 5398, 5506, 5252, 5565, 5449, 5625, 5461, 5473, 5403, 5645, 5295, 5268, 5416, 5471, 5334, 5273, 5589, 5651, 5459, 5259, 5716, 5569, 5396, 5421, 5439, 5397, 5534, 5384, 5713, 5511, 5516, 5380, 5686, 5298, 5537, 5680, 5452, 5623, 5355, 5519, 5367, 5617, 5620, 5299, 5357, 5484, 5669, 5548, 5674, 5528, 5601, 5579, 5683, 5309, 5344, 5356, 5672, 5650, 5329, 5410, 5636, 5504, 5386, 5575, 5503, 5712, 5631, 5500, 5532, 5294, 5288, 5566, 5681, 5353, 5350, 5665, 5544, 5260, 5419, 5300, 5622, 5561, 5314, 5482, 5292, 5726, 5286, 5464, 5478, 5692, 5352 (7 hits) (12/14/2009 02:34:03 PM)
35	9	1.0	333.0	Yes	5304.0MHz, -64.0dBm	Hop sequence: 5538, 5681, 5527, 5272, 5301, 5724, 5339, 5367, 5680, 5279, 5345, 5493, 5377, 5350, 5723, 5598, 5391, 5562, 5666, 5552, 5371, 5502, 5617, 5277, 5292, 5705, 5711, 5607, 5407, 5262, 5276, 5499, 5293, 5375, 5611, 5355, 5353, 5608, 5271, 5343, 5455, 5492, 5474, 5588, 5483, 5404, 5477, 5699, 5510, 5567, 5406, 5620, 5284, 5637, 5330, 5700, 5273, 5265, 5389, 5327, 5403, 5329, 5667, 5361, 5362, 5540, 5274, 5412, 5519, 5282, 5591, 5448, 5346, 5676, 5690, 5696, 5338, 5534, 5304, 5398, 5525, 5402, 5291, 5692, 5541, 5393, 5289, 5480, 5302, 5307, 5364, 5441, 5426, 5581, 5438, 5439, 5515, 5309, 5662, 5526 (8 hits) (12/14/2009 02:34:18 PM)
36	9	1.0	333.0	Yes	5305.0MHz, -64.0dBm	Hop sequence: 5700, 5693, 5324, 5488, 5312, 5434, 5565, 5662, 5255, 5710, 5571, 5715, 5393, 5425, 5402, 5367, 5493, 5474, 5459, 5480, 5548, 5712, 5491, 5327, 5388, 5702, 5716, 5642, 5673, 5320, 5650, 5590, 5457, 5329, 5601, 5332, 5514, 5262, 5717, 5322, 5447, 5343, 5695, 5566, 5420, 5477, 5392, 5567, 5692, 5500, 5364, 5541, 5616, 5359, 5652, 5589, 5342, 5446, 5722, 5436, 5570, 5471, 5608, 5348,

Table 42 - FCC frequency hopping radar (Type 6) Results 20MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5629, 5351, 5371, 5631, 5283, 5538, 5264, 5338, 5410, 5449, 5577, 5568, 5419, 5396, 5572, 5433, 5503, 5261, 5273, 5674, 5423, 5618, 5539, 5463, 5360, 5506, 5622, 5384, 5291, 5323, 5484, 5721, 5337, 5354, 5708, 5685 (1 hits) (12/14/2009 02:34:34 PM)
37	9	1.0	333.0	Yes	5306.0MHz, -64.0dBm	Hop sequence: 5412, 5595, 5392, 5664, 5471, 5498, 5487, 5680, 5414, 5684, 5514, 5341, 5410, 5274, 5307, 5381, 5577, 5416, 5473, 5375, 5551, 5465, 5443, 5323, 5387, 5678, 5717, 5322, 5521, 5324, 5354, 5545, 5509, 5463, 5534, 5643, 5719, 5485, 5587, 5452, 5516, 5468, 5692, 5264, 5419, 5357, 5360, 5390, 5629, 5303, 5421, 5300, 5588, 5408, 5713, 5527, 5555, 5277, 5359, 5681, 5287, 5377, 5284, 5666, 5687, 5491, 5720, 5455, 5677, 5525, 5293, 5386, 5461, 5365, 5454, 5522, 5295, 5479, 5624, 5429, 5575, 5688, 5506, 5635, 5662, 5660, 5592, 5645, 5722, 5585, 5610, 5336, 5558, 5290, 5586, 5490, 5457, 5606, 5714, 5256 (5 hits) (12/14/2009 02:34:57 PM)
38	9	1.0	333.0	Yes	5307.0MHz, -64.0dBm	Hop sequence: 5589, 5448, 5414, 5619, 5385, 5349, 5658, 5608, 5395, 5329, 5662, 5467, 5709, 5348, 5684, 5282, 5482, 5292, 5565, 5510, 5319, 5389, 5638, 5418, 5566, 5450, 5468, 5536, 5399, 5605, 5713, 5479, 5621, 5558, 5682, 5618, 5310, 5586, 5527, 5471, 5275, 5353, 5398, 5664, 5342, 5377, 5322, 5633, 5379, 5559, 5656, 5561, 5433, 5429, 5659, 5406, 5427, 5606, 5654, 5276, 5439, 5514, 5457, 5400, 5269, 5287, 5331, 5363, 5641, 5487, 5466, 5338, 5540, 5598, 5676, 5570, 5725, 5707, 5585, 5279, 5717, 5685, 5263, 5378, 5644, 5629, 5506, 5308, 5361, 5669, 5576, 5623, 5413, 5253, 5266, 5325, 5382, 5464, 5670, 5507 (2 hits) (12/14/2009 02:35:07 PM)

Table 43 - 40MHz_BW Detection Bandwidth Measurements (Bandwidth: +20MHz /-20MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5289.00 MHz	0	3	0
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5290.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5291.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5292.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5293.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5294.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5295.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5296.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5297.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5298.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5299.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5300.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5301.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5302.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5303.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5304.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5305.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5306.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5307.00 MHz	9	1	90
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5308.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5309.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5310.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5311.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5312.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5313.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5314.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5315.00 MHz	10	0	100

Table 43 - 40MHz_BW Detection Bandwidth Measurements (Bandwidth: +20MHz /-20MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5316.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5317.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5318.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5319.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5320.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5321.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5322.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5323.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5324.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5325.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5326.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5327.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5328.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5329.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5330.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5331.00 MHz	1	3	25

Table 44 - Summary of All Results - 40MHz_BW				
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)	76.7 %	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	85.83 %	80.0 %	156	Pass
Long Sequence	87.5 %	80.0 %	32	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	36	PASSED

Table 45 - FCC Short Pulse Radar (Type 1) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:13:18 PM)
2	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:13:34 PM)

Table 45 - FCC Short Pulse Radar (Type 1) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:13:45 PM)
4	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:13:58 PM)
5	18	1.0	1428.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:14:11 PM)
6	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:14:43 PM)
7	18	1.0	1428.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:15:01 PM)
8	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:15:10 PM)
9	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:15:20 PM)
10	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:15:53 PM)
11	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:16:10 PM)
12	18	1.0	1428.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:16:20 PM)
13	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:16:29 PM)
14	18	1.0	1428.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:16:38 PM)
15	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:16:48 PM)
16	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:17:01 PM)
17	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:17:22 PM)
18	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:17:34 PM)
19	18	1.0	1428.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:17:45 PM)
20	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:17:59 PM)
21	18	1.0	1428.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:18:12 PM)
22	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:18:41 PM)
23	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:18:51 PM)
24	18	1.0	1428.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:19:02 PM)
25	18	1.0	1428.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:19:12 PM)
26	18	1.0	1428.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:19:22 PM)
27	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:19:31 PM)
28	18	1.0	1428.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:19:43 PM)
29	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:19:53 PM)

Table 45 - FCC Short Pulse Radar (Type 1) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
30	18	1.0	1428.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:20:05 PM)

Table 46 - FCC Short Pulse Radar (Type 2) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	24	4.6	157.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:20:57 PM)
2	25	2.0	170.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:21:16 PM)
3	25	4.6	173.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:21:26 PM)
4	23	3.8	170.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:21:37 PM)
5	24	2.7	206.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:21:48 PM)
6	27	3.9	216.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:22:16 PM)
7	26	2.2	229.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:22:28 PM)
8	27	4.9	167.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:22:38 PM)
9	24	3.2	150.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:22:50 PM)
10	26	2.0	216.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:22:59 PM)
11	28	3.3	168.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:23:09 PM)
12	25	1.9	162.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:23:44 PM)
13	26	1.4	177.0	No	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:24:03 PM)
14	27	3.6	193.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:24:17 PM)
15	26	3.5	196.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:24:31 PM)
16	27	4.4	227.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:24:50 PM)
17	24	1.3	225.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:25:03 PM)
18	27	2.7	153.0	No	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:25:19 PM)
19	27	3.7	170.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:25:36 PM)
20	24	3.1	177.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:25:49 PM)
21	26	1.8	164.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:26:03 PM)
22	25	2.6	208.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:26:14 PM)
23	25	4.5	228.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:26:27 PM)
24	25	4.0	219.0	Yes	5300.0MHz,	Single burst (12/14/2009 07:26:39

Table 46 - FCC Short Pulse Radar (Type 2) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	PM)
25	27	1.7	151.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:26:56 PM)
26	28	3.2	187.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:27:07 PM)
27	29	3.1	224.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:27:19 PM)
28	26	1.5	176.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:27:29 PM)
29	24	3.0	186.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:27:41 PM)
30	24	2.7	165.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:27:53 PM)

Table 47 - FCC Short Pulse Radar (Type 3) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	9.2	252.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:28:31 PM)
2	17	8.6	416.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:28:44 PM)
3	18	9.8	425.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:28:55 PM)
4	18	9.7	219.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:29:08 PM)
5	18	6.0	243.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:29:18 PM)
6	16	8.2	315.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:29:32 PM)
7	16	8.0	377.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:29:44 PM)
8	18	8.4	280.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:29:55 PM)
9	16	9.8	391.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:30:12 PM)
10	18	9.3	305.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:30:26 PM)
11	16	7.7	301.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:30:37 PM)
12	17	8.9	255.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:30:48 PM)
13	17	6.3	460.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:30:58 PM)
14	18	7.0	261.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:31:09 PM)
15	17	6.4	326.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:31:21 PM)
16	18	7.2	489.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:31:36 PM)
17	17	6.5	320.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:31:50 PM)
18	16	6.7	238.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:32:03 PM)

Table 47 - FCC Short Pulse Radar (Type 3) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
19	17	8.3	491.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:32:20 PM)
20	17	7.4	415.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:32:31 PM)
21	18	7.2	308.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:32:42 PM)
22	17	7.6	468.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:32:57 PM)
23	18	8.1	413.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:33:09 PM)
24	17	9.5	335.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:33:21 PM)
25	17	6.7	282.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:33:31 PM)
26	16	8.4	305.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:33:42 PM)
27	17	9.5	395.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:33:55 PM)
28	16	6.1	381.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:34:04 PM)
29	17	8.4	227.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:34:14 PM)
30	17	7.8	456.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:34:26 PM)

Table 48 - FCC Short Pulse Radar (Type 4) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	12	19.1	482.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:34:59 PM)
2	13	14.9	423.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:35:12 PM)
3	15	16.8	465.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:35:27 PM)
4	15	16.0	369.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:35:37 PM)
5	16	11.8	477.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:35:47 PM)
6	16	17.3	396.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:36:03 PM)
7	15	17.6	301.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:36:15 PM)
8	14	14.5	279.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:36:25 PM)
9	13	15.0	359.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:36:41 PM)
10	13	18.3	388.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:36:54 PM)
11	15	15.0	237.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:37:08 PM)
12	14	16.5	385.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:37:19 PM)

Table 48 - FCC Short Pulse Radar (Type 4) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	15	19.7	471.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:37:32 PM)
14	14	11.9	212.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:37:56 PM)
15	13	14.0	358.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:38:11 PM)
16	14	17.8	221.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:38:23 PM)
17	13	11.2	478.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:38:32 PM)
18	13	14.4	229.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:38:43 PM)
19	16	16.0	233.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:38:54 PM)
20	13	18.7	412.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:39:05 PM)
21	12	15.3	400.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:39:16 PM)
22	13	18.3	354.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:39:28 PM)
23	13	19.2	495.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:39:42 PM)
24	12	13.5	432.0	Yes	5300.0MHz, -64.0dBm	Single burst (12/14/2009 07:39:53 PM)
25	14	13.1	291.0	Yes	5295.0MHz, -64.0dBm	Single burst (12/14/2009 07:40:04 PM)
26	15	16.6	315.0	Yes	5325.0MHz, -64.0dBm	Single burst (12/14/2009 07:40:15 PM)
27	12	16.2	454.0	Yes	5320.0MHz, -64.0dBm	Single burst (12/14/2009 07:40:28 PM)
28	13	15.8	329.0	Yes	5315.0MHz, -64.0dBm	Single burst (12/14/2009 07:40:41 PM)
29	14	19.4	320.0	No	5310.0MHz, -64.0dBm	Single burst (12/14/2009 07:40:52 PM)
30	15	18.0	398.0	Yes	5305.0MHz, -64.0dBm	Single burst (12/14/2009 07:41:07 PM)

Table 49 - 40MHz_BW 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	75.3	18	1835.0	1247.0	0.129349
2	1	66.1	15	-	-	1.024446
3	3	57.4	13	1136.0	1450.0	2.443672
4	1	66.1	20	-	-	3.301745
5	2	76.5	8	1223.0	-	4.765495
6	3	79.7	13	1683.0	1579.0	5.544948
7	2	50.1	15	1570.0	-	6.682338
8	1	84.3	13	-	-	7.209562
9	2	87.2	20	1450.0	-	8.921694
10	3	74.2	20	1641.0	1564.0	9.153722
11	1	76.8	17	-	-	10.215135

Table 49 - 40MHz_BW 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)
12	2	75.3	14	1578.0	-	11.089563

Table 50 - 40MHz_BW Long Sequence Waveform Trial#2 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	87.0	12	-	-	0.122771
2	2	93.6	8	1049.0	-	0.790986
3	3	94.2	17	1119.0	1319.0	1.707835
4	3	55.3	20	1152.0	1956.0	2.313674
5	1	99.1	12	-	-	2.835014
6	1	71.3	20	-	-	3.224885
7	2	98.3	8	1009.0	-	4.078183
8	2	79.3	15	1915.0	-	4.596731
9	2	67.1	19	1087.0	-	5.496250
10	3	83.2	12	1363.0	1377.0	6.127001
11	3	53.3	8	1365.0	1414.0	6.553291
12	2	67.7	8	1265.0	-	7.112363
13	2	58.4	11	1492.0	-	8.193087
14	1	91.4	18	-	-	8.791036
15	2	65.5	13	1637.0	-	8.975802
16	2	96.6	10	1567.0	-	9.592971
17	3	83.9	15	1958.0	1039.0	10.119028
18	2	81.8	12	1743.0	-	10.919545
19	3	55.6	12	1166.0	1289.0	11.782861

Table 51 - 40MHz_BW 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	51.4	10	1740.0	1252.0	0.842802
2	3	77.7	19	1341.0	1677.0	1.071645
3	1	78.8	19	-	-	2.715393
4	2	95.4	13	1971.0	-	3.604918
5	1	58.4	8	-	-	4.306209
6	2	89.1	18	1048.0	-	4.998933
7	2	62.0	12	1377.0	-	6.275991
8	3	83.6	19	1901.0	1276.0	6.775689
9	2	52.6	7	1688.0	-	7.650940
10	1	63.7	20	-	-	9.137287
11	3	80.1	15	1005.0	1943.0	9.319433
12	2	66.3	16	1839.0	-	10.621166
13	1	50.2	5	-	-	11.946439

Table 52 - 40MHz_BW Long Sequence Waveform Trial#4 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	66.1	7	1186.0	-	0.535694
2	2	98.9	20	1250.0	-	1.738624
3	2	96.3	6	1040.0	-	3.147467
4	2	94.2	6	1048.0	-	4.089482

Table 52 - 40MHz_BW Long Sequence Waveform Trial#4 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
5	3	62.1	10	1211.0	1011.0	6.158261
6	2	79.6	18	1825.0	-	7.981303
7	2	96.2	13	1736.0	-	8.225111
8	1	74.5	10	-	-	10.493031
9	2	55.3	19	1531.0	-	10.768622

Table 53 - 40MHz_BW Long Sequence Waveform Trial#5 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	55.4	10	-	-	0.201287
2	2	65.3	11	1495.0	-	0.835652
3	2	59.1	16	1479.0	-	1.924620
4	2	99.6	10	1176.0	-	3.131871
5	2	76.8	11	1912.0	-	3.632407
6	2	92.2	6	1655.0	-	4.237355
7	2	69.2	6	1237.0	-	5.230474
8	1	71.1	6	-	-	5.917694
9	2	92.6	18	1931.0	-	7.072408
10	2	64.6	7	1784.0	-	7.923152
11	3	73.3	10	1477.0	1093.0	8.264455
12	1	66.7	19	-	-	9.341642
13	3	61.1	6	1588.0	1470.0	10.053821
14	2	56.8	19	1879.0	-	10.823137
15	2	74.2	15	1418.0	-	11.997155

Table 54 - 40MHz_BW Long Sequence Waveform Trial#6 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	84.4	13	1329.0	-	0.236454
2	2	83.0	11	1698.0	-	0.750937
3	2	86.8	7	1260.0	-	1.609704
4	3	60.5	7	1563.0	1501.0	2.795938
5	2	85.0	15	1767.0	-	3.315369
6	1	69.0	16	-	-	3.954646
7	2	57.1	12	1415.0	-	4.559227
8	2	81.1	15	1167.0	-	5.321028
9	2	81.4	10	1999.0	-	6.026354
10	2	95.3	9	1889.0	-	7.392009
11	1	90.6	13	-	-	7.620277
12	3	62.3	18	1176.0	1810.0	8.349489
13	2	87.8	17	1656.0	-	9.469308
14	3	61.8	7	1732.0	1638.0	9.877909
15	2	87.2	17	1055.0	-	10.984674
16	2	72.7	8	1715.0	-	11.891195

Table 55 - 40MHz_BW 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	1	76.3	8	-	-	0.129341
2	1	57.8	19	-	-	1.127444
3	3	95.6	16	1866.0	1267.0	1.497155
4	2	59.5	5	1504.0	-	1.933770
5	2	90.9	12	1251.0	-	2.688276
6	1	79.7	8	-	-	3.524372
7	1	52.5	6	-	-	4.243691
8	2	83.6	19	1472.0	-	4.871503
9	3	73.1	15	1956.0	1273.0	5.218065
10	3	84.9	15	1800.0	1043.0	6.185050
11	1	79.1	14	-	-	6.508582
12	2	76.6	19	1714.0	-	7.475387
13	1	89.7	11	-	-	7.602956
14	2	76.8	10	1634.0	-	8.784147
15	3	90.9	15	1058.0	1083.0	8.944188
16	1	91.2	7	-	-	9.950094
17	2	73.4	10	1069.0	-	10.403933
18	3	51.1	15	1332.0	1442.0	10.772288
19	2	57.3	11	1566.0	-	11.867106

Table 56 - 40MHz_BW 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	1	50.9	12	-	-	0.565723
2	3	79.0	10	1425.0	1697.0	1.271656
3	1	83.2	8	-	-	3.167818
4	3	75.8	18	1675.0	1873.0	4.319593
5	2	64.6	8	1095.0	-	5.342932
6	2	77.8	6	1814.0	-	5.683527
7	3	87.0	13	1392.0	1977.0	7.595996
8	2	55.1	7	1471.0	-	7.885325
9	2	62.2	16	1099.0	-	9.588313
10	2	82.5	11	1543.0	-	9.903427
11	2	67.8	10	1259.0	-	11.233673

Table 57 - 40MHz_BW 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	3	67.7	14	1691.0	1795.0	0.044686
2	1	78.9	19	-	-	0.852047
3	1	51.4	9	-	-	2.370349
4	2	57.0	12	1773.0	-	2.955379
5	2	93.1	8	1987.0	-	3.363694
6	1	83.7	8	-	-	4.100285
7	2	84.7	20	1225.0	-	5.042556
8	2	74.2	7	1337.0	-	5.695345
9	3	81.7	10	1292.0	1151.0	7.140652
10	3	65.7	6	1497.0	1083.0	7.995166
11	1	50.0	11	-	-	8.043309
12	3	96.0	13	1738.0	1240.0	9.452505

Table 57 - 40MHz_BW 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)
13	3	88.7	10	1514.0	1016.0	10.038059
14	1	64.0	5	-	-	11.086567
15	1	67.8	15	-	-	11.442772

Table 58 - 40MHz_BW Long Sequence Waveform Trial#10 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	54.9	9	1876.0	-	0.215103
2	2	83.1	9	1242.0	-	1.591454
3	2	66.5	18	1781.0	-	2.031800
4	1	96.2	13	-	-	3.815659
5	2	84.6	14	1457.0	-	4.155672
6	2	70.3	9	1498.0	-	5.559617
7	2	65.2	17	1429.0	-	6.500428
8	1	59.5	19	-	-	7.761162
9	2	57.1	8	1701.0	-	8.321801
10	3	96.7	12	1249.0	1667.0	9.109907
11	1	59.4	11	-	-	10.627749
12	3	80.8	10	1556.0	1309.0	11.447422

Table 59 - 40MHz_BW Long Sequence Waveform Trial#11 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	91.6	10	-	-	0.004723
2	1	90.4	16	-	-	0.923432
3	1	77.1	17	-	-	1.505378
4	2	94.2	17	1273.0	-	2.646757
5	2	75.1	20	1930.0	-	2.734945
6	2	77.6	7	1754.0	-	3.374425
7	3	77.5	16	1263.0	1635.0	4.662141
8	1	52.2	7	-	-	5.296852
9	2	85.8	15	1570.0	-	5.771834
10	2	97.8	9	1061.0	-	6.315305
11	2	65.6	20	1321.0	-	7.179611
12	2	52.9	10	1925.0	-	7.719100
13	1	66.3	17	-	-	8.378137
14	2	53.9	14	1561.0	-	9.242484
15	2	57.5	16	1057.0	-	9.993635
16	2	51.3	14	1592.0	-	10.487414
17	1	72.6	7	-	-	10.854158
18	3	92.0	12	1986.0	1922.0	11.883701

Table 60 - 40MHz_BW Long Sequence Waveform Trial#12 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	96.9	12	-	-	0.538456
2	2	60.9	11	1790.0	-	1.099525
3	1	85.1	9	-	-	2.263471
4	3	79.3	13	1210.0	1989.0	4.312777

Table 60 - 40MHz_BW 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)
5	1	88.0	18	-	-	5.318417
6	3	93.3	18	1342.0	1038.0	5.700996
7	2	60.1	14	1580.0	-	6.878381
8	3	74.6	16	1437.0	1132.0	7.883100
9	3	51.8	16	1840.0	1168.0	8.801023
10	3	59.0	10	1831.0	1619.0	10.093742
11	1	53.3	18	-	-	11.926923

Table 61 - 40MHz_BW Long Sequence Waveform Trial#13 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	73.5	14	1099.0	-	0.599690
2	2	93.2	9	1465.0	-	1.698370
3	2	55.0	20	1103.0	-	2.743365
4	1	58.2	19	-	-	4.769074
5	2	86.3	13	1575.0	-	5.984843
6	2	57.6	11	1849.0	-	6.893926
7	3	66.5	8	1643.0	1953.0	8.050743
8	2	93.9	17	1281.0	-	9.360479
9	2	87.6	10	1117.0	-	9.641173
10	2	78.9	18	1181.0	-	10.910177

Table 62 - 40MHz_BW Long Sequence Waveform Trial#14 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	80.7	18	-	-	0.153984
2	2	64.4	17	1068.0	-	1.477956
3	1	76.1	20	-	-	1.866613
4	2	89.0	11	1260.0	-	2.490038
5	2	89.1	19	1077.0	-	3.737695
6	3	56.7	6	1971.0	1163.0	4.218963
7	2	64.3	12	1395.0	-	4.888745
8	2	94.6	6	1113.0	-	6.254634
9	1	53.9	17	-	-	6.472952
10	3	75.7	7	1859.0	1902.0	7.277029
11	2	96.4	16	1256.0	-	8.783962
12	2	69.8	9	1362.0	-	9.465592
13	2	88.8	14	1464.0	-	9.932610
14	3	82.5	6	1665.0	1575.0	10.685427
15	1	97.1	12	-	-	11.254589

Table 63 - 40MHz_BW 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	53.9	13	-	-	0.359427
2	3	70.0	11	1444.0	1202.0	1.223704
3	2	95.3	11	1093.0	-	1.745134
4	3	71.3	8	1871.0	1065.0	2.672903
5	1	54.9	19	-	-	3.457835

Table 63 - 40MHz_BW 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)
6	2	62.4	18	1134.0	-	4.010825
7	3	60.9	8	1127.0	1171.0	4.303765
8	1	60.2	5	-	-	5.423613
9	2	80.1	8	1700.0	-	6.208997
10	2	85.0	19	1731.0	-	6.435256
11	3	85.5	9	1443.0	1198.0	7.429627
12	2	95.3	8	1930.0	-	8.007335
13	1	67.5	9	-	-	8.860759
14	2	73.0	11	1667.0	-	9.323338
15	3	70.4	15	1513.0	1675.0	10.056160
16	2	67.1	11	1417.0	-	10.728540
17	1	63.6	16	-	-	11.573379

Table 64 - 40MHz_BW 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	59.4	9	1041.0	-	0.454816
2	1	61.2	14	-	-	2.503768
3	2	50.1	12	1269.0	-	2.868917
4	2	64.0	7	1028.0	-	4.677057
5	2	98.4	18	1781.0	-	5.701273
6	3	67.6	8	1194.0	1447.0	7.811752
7	2	96.1	5	1255.0	-	8.856852
8	3	78.8	14	1339.0	1142.0	10.581648
9	2	53.4	18	1486.0	-	11.862460

Table 65 - 40MHz_BW 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	3	54.0	17	1013.0	1680.0	0.034995
2	2	93.6	9	1764.0	-	1.367835
3	2	71.3	10	1445.0	-	1.592784
4	1	94.3	14	-	-	2.977880
5	2	69.6	7	1553.0	-	3.249472
6	1	81.5	17	-	-	4.413597
7	3	87.7	18	1189.0	1952.0	5.225726
8	1	53.4	10	-	-	5.722419
9	2	61.8	12	1729.0	-	6.735453
10	3	80.8	8	1817.0	1575.0	7.480325
11	2	75.7	11	1779.0	-	8.197538
12	2	76.4	18	1028.0	-	8.875091
13	2	73.1	11	1519.0	-	9.637443
14	2	87.8	12	1039.0	-	9.828507
15	3	62.5	6	1226.0	1950.0	11.228191
16	2	52.0	10	1647.0	-	11.770491

Table 66 - 40MHz_BW Long Sequence Waveform Trial#18 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	57.1	10	1446.0	-	0.028309
2	1	65.1	9	-	-	1.651244
3	1	67.5	15	-	-	2.062338
4	3	65.3	9	1126.0	1479.0	3.242925
5	1	92.2	11	-	-	4.586181
6	2	58.5	17	1112.0	-	5.038858
7	3	77.8	10	1984.0	1089.0	5.710919
8	1	64.3	19	-	-	6.734752
9	1	66.6	15	-	-	7.882432
10	3	79.3	10	1851.0	1879.0	9.018990
11	1	77.4	11	-	-	9.524003
12	1	98.4	16	-	-	10.780641
13	3	87.7	20	1506.0	1987.0	11.776904

Table 67 - 40MHz_BW 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	63.5	17	-	-	0.486810
2	2	88.2	12	1509.0	-	1.234226
3	1	68.0	18	-	-	2.540413
4	2	50.5	10	1982.0	-	4.467322
5	1	79.4	16	-	-	5.482547
6	1	93.3	18	-	-	6.418174
7	2	66.2	9	1232.0	-	7.220329
8	2	99.5	8	1205.0	-	8.477880
9	1	53.8	12	-	-	10.436791
10	2	89.5	16	1519.0	-	11.778958

Table 68 - 40MHz_BW Long Sequence Waveform Trial#20 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	51.3	15	-	-	0.504032
2	3	89.1	11	1907.0	1681.0	1.634695
3	1	68.8	6	-	-	3.157829
4	2	63.4	17	1195.0	-	4.044601
5	1	96.6	8	-	-	4.388299
6	2	55.9	6	1484.0	-	5.638878
7	2	52.4	19	1688.0	-	7.042930
8	2	87.2	5	1612.0	-	7.922523
9	2	52.0	8	1303.0	-	9.676964
10	2	73.4	15	1094.0	-	10.409778
11	2	75.8	15	1073.0	-	11.756166

Table 69 - 40MHz_BW Long Sequence Waveform Trial#21 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	50.9	8	1708.0	-	0.455781
2	1	80.7	8	-	-	0.839325

Table 69 - 40MHz_BW 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)
3	3	84.4	10	1668.0	1141.0	1.580958
4	2	59.3	17	1924.0	-	2.048290
5	3	78.2	12	1759.0	1662.0	3.044954
6	2	72.4	19	1388.0	-	3.557474
7	2	74.6	19	1254.0	-	4.254231
8	2	51.1	5	1240.0	-	4.544123
9	1	60.3	19	-	-	5.526876
10	2	85.1	11	1865.0	-	6.178499
11	3	96.0	6	1291.0	1543.0	6.332469
12	3	61.5	14	1236.0	1932.0	7.160688
13	2	61.3	8	1498.0	-	8.001070
14	1	93.1	17	-	-	8.329040
15	3	83.6	5	1271.0	1357.0	9.299419
16	2	70.7	8	1652.0	-	9.862646
17	2	59.8	10	1077.0	-	10.209565
18	1	65.4	7	-	-	11.068050
19	3	86.8	6	1925.0	1926.0	11.836349

Table 70 - 40MHz_BW 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	3	80.1	19	1733.0	1094.0	0.804289
2	1	93.8	15	-	-	1.601277
3	2	82.5	13	1521.0	-	2.267944
4	1	68.4	18	-	-	4.211712
5	2	54.8	13	1326.0	-	4.755786
6	2	76.3	5	1929.0	-	6.137536
7	2	95.9	7	1722.0	-	6.737265
8	1	80.0	18	-	-	8.593808
9	2	66.5	16	1055.0	-	9.352316
10	3	94.0	6	1638.0	1803.0	10.543482
11	2	98.1	11	1260.0	-	11.078847

Table 71 - 40MHz_BW Long Sequence Waveform Trial#23 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	83.6	12	-	-	0.831898
2	1	56.2	16	-	-	1.518903
3	1	94.8	16	-	-	2.316147
4	1	96.8	7	-	-	3.321149
5	3	69.7	13	1016.0	1389.0	3.555957
6	2	68.2	11	1421.0	-	4.305804
7	2	84.2	19	1371.0	-	5.640047
8	2	87.9	10	1335.0	-	6.847104
9	2	97.4	11	1548.0	-	7.537160
10	1	90.6	6	-	-	7.800853
11	2	68.8	16	1945.0	-	9.378723
12	2	62.7	17	1156.0	-	9.430551
13	2	52.7	12	1202.0	-	10.424386
14	3	58.3	18	1588.0	1518.0	11.169752

Table 72 - 40MHz_BW Long Sequence Waveform Trial#24 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	73.2	19	-	-	0.688871
2	2	72.4	17	1788.0	-	1.088930
3	1	87.3	7	-	-	2.030572
4	2	93.3	16	1132.0	-	2.968441
5	2	50.7	6	1431.0	-	3.918679
6	2	81.1	8	1410.0	-	4.429314
7	2	61.0	9	1000.0	-	5.570476
8	2	50.9	20	1533.0	-	6.224015
9	1	76.1	16	-	-	6.681335
10	2	58.6	9	1302.0	-	7.386244
11	3	78.4	20	1067.0	1214.0	8.374973
12	1	86.0	8	-	-	9.299989
13	2	88.0	7	1694.0	-	9.895346
14	1	55.7	15	-	-	10.562057
15	2	95.0	13	1998.0	-	11.474464

Table 73 - 40MHz_BW Long Sequence Waveform Trial#25 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	66.6	16	-	-	0.007136
2	2	95.5	19	1525.0	-	1.104469
3	2	96.8	16	1463.0	-	1.974456
4	2	68.4	7	1879.0	-	2.626120
5	1	87.5	14	-	-	3.371851
6	2	60.2	15	1695.0	-	3.766211
7	1	96.0	10	-	-	4.549465
8	2	70.5	19	1167.0	-	5.201543
9	1	88.7	13	-	-	5.909215
10	2	80.9	18	1451.0	-	6.759692
11	3	79.8	19	1967.0	1291.0	7.246797
12	3	69.2	17	1737.0	1807.0	8.115989
13	1	58.4	14	-	-	8.997910
14	3	73.9	15	1231.0	1046.0	9.765839
15	2	95.5	19	1246.0	-	10.464862
16	1	62.0	11	-	-	10.838613
17	1	55.1	8	-	-	11.921722

Table 74 - 40MHz_BW Long Sequence Waveform Trial#26 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	3	65.4	19	1067.0	1706.0	0.669624
2	2	61.6	11	1476.0	-	1.610515
3	2	95.0	13	1849.0	-	3.028195
4	1	84.5	20	-	-	4.974480
5	3	86.9	19	1920.0	1487.0	7.135945
6	3	85.8	15	1647.0	1648.0	7.997368
7	2	95.5	5	1171.0	-	9.592782
8	2	57.4	6	1982.0	-	11.626269

Table 75 - 40MHz_BW Long Sequence Waveform Trial#27 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	73.1	17	1423.0	-	0.497048
2	3	73.2	18	1770.0	1310.0	0.923369
3	2	53.1	9	1355.0	-	2.334157
4	2	89.0	17	1224.0	-	2.952290
5	2	73.2	13	1339.0	-	4.037188
6	2	62.8	10	1315.0	-	4.365552
7	1	61.4	8	-	-	5.816206
8	3	60.2	17	1572.0	1945.0	6.463085
9	2	70.3	8	1142.0	-	7.336664
10	2	96.4	10	1966.0	-	8.099006
11	3	79.7	16	1385.0	1743.0	8.650377
12	2	94.1	11	1741.0	-	9.836978
13	3	51.2	14	1495.0	1929.0	10.959830
14	2	56.5	7	1004.0	-	11.813484

Table 76 - 40MHz_BW 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	1	56.8	17	-	-	0.515995
2	3	76.3	7	1590.0	1264.0	0.859443
3	1	73.7	11	-	-	2.249246
4	1	62.6	11	-	-	3.019897
5	2	95.9	12	1104.0	-	3.840276
6	1	61.0	13	-	-	4.200023
7	3	94.8	17	1484.0	1531.0	5.580374
8	2	66.7	14	1504.0	-	6.290540
9	2	59.0	8	1257.0	-	7.068633
10	2	63.4	18	1842.0	-	7.423185
11	2	59.3	8	1719.0	-	8.648261
12	1	63.4	13	-	-	9.387480
13	3	66.6	13	1918.0	1002.0	10.197561
14	1	83.2	6	-	-	11.104368
15	1	59.7	11	-	-	11.522552

Table 77 - 40MHz_BW 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	1	75.7	9	-	-	0.734179
2	2	88.3	8	1714.0	-	1.812621
3	2	63.4	5	1222.0	-	2.669694
4	2	77.2	7	1034.0	-	3.141679
5	1	78.3	12	-	-	3.895710
6	3	87.2	14	1040.0	1545.0	5.467948
7	3	50.2	16	1005.0	1474.0	5.715392
8	2	64.9	7	1035.0	-	6.762949
9	3	79.4	9	1179.0	1145.0	7.860959
10	2	59.5	19	1860.0	-	8.769195
11	1	50.3	14	-	-	9.238060
12	2	72.2	9	1645.0	-	10.396572
13	2	84.2	18	1447.0	-	11.555235

Table 78 - 40MHz_BW 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	3	84.7	6	1465.0	1873.0	0.135981
2	3	57.3	20	1071.0	1183.0	1.248946
3	2	63.2	8	1192.0	-	1.838490
4	2	70.2	11	1634.0	-	2.809975
5	1	87.1	10	-	-	3.341560
6	3	63.2	7	1939.0	1768.0	4.439978
7	1	68.5	15	-	-	4.726918
8	1	66.7	9	-	-	5.742673
9	1	82.5	13	-	-	6.006923
10	3	71.7	12	1972.0	1006.0	6.801360
11	3	95.3	6	1696.0	1173.0	7.554906
12	1	82.8	11	-	-	8.377376
13	1	72.6	9	-	-	9.483547
14	2	95.6	7	1026.0	-	9.761368
15	1	77.2	14	-	-	11.196802
16	1	74.6	20	-	-	11.308798

Table 79 - 40MHz_BW Long Sequence Waveform Trial#31 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	2	92.6	14	1308.0	-	0.001382
2	2	52.6	13	1196.0	-	1.609997
3	2	70.4	6	1261.0	-	2.574305
4	1	52.0	20	-	-	4.464537
5	2	63.0	18	1047.0	-	4.941336
6	1	70.2	14	-	-	7.129190
7	1	75.0	17	-	-	8.331718
8	3	83.4	18	1116.0	1926.0	9.046318
9	1	96.3	12	-	-	9.828872
10	3	63.0	14	1918.0	1958.0	11.317895

Table 80 - 40MHz_BW Long Sequence Waveform Trial#32 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
1	1	54.5	8	-	-	0.418365
2	2	54.9	14	1274.0	-	1.467669
3	2	97.1	19	1220.0	-	1.895003
4	2	85.8	7	1789.0	-	3.106858
5	3	61.3	9	1272.0	1701.0	3.910515
6	3	91.6	6	1961.0	1655.0	4.437260
7	2	95.6	14	1495.0	-	5.580901
8	2	71.1	13	1355.0	-	5.893692
9	1	82.1	7	-	-	6.514677
10	2	64.9	18	1394.0	-	7.570666
11	3	85.3	16	1270.0	1821.0	8.683018
12	1	51.5	10	-	-	9.237740
13	3	76.7	9	1632.0	1136.0	9.842508
14	3	72.6	9	1869.0	1703.0	10.567888
15	2	71.3	18	1088.0	-	11.507010

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5329.0MHz, -64.0dBm	Hop sequence: 5356, 5384, 5679, 5390, 5460, 5695, 5339, 5700, 5456, 5725, 5648, 5719, 5507, 5346, 5273, 5561, 5558, 5350, 5570, 5272, 5516, 5420, 5461, 5371, 5440, 5398, 5542, 5411, 5478, 5286, 5428, 5531, 5602, 5606, 5296, 5560, 5327, 5630, 5665, 5601, 5314, 5277, 5619, 5445, 5704, 5267, 5307, 5562, 5438, 5627, 5254, 5468, 5309, 5598, 5408, 5689, 5718, 5266, 5446, 5652, 5368, 5669, 5628, 5278, 5387, 5458, 5579, 5553, 5321, 5549, 5519, 5715, 5517, 5422, 5253, 5449, 5349, 5262, 5615, 5629, 5532, 5677, 5710, 5696, 5297, 5726, 5396, 5626, 5688, 5634, 5251, 5317, 5497, 5635, 5444, 5347, 5583, 5667, 5459, 5714 (8 hits) (12/14/2009 07:58:12 PM)
2	9	1.0	333.0	Yes	5330.0MHz, -64.0dBm	Hop sequence: 5392, 5579, 5691, 5710, 5375, 5313, 5274, 5626, 5654, 5270, 5689, 5585, 5438, 5457, 5584, 5614, 5661, 5612, 5673, 5263, 5646, 5488, 5615, 5512, 5721, 5308, 5671, 5510, 5658, 5596, 5362, 5543, 5453, 5491, 5277, 5423, 5725, 5717, 5409, 5384, 5609, 5553, 5358, 5498, 5470, 5619, 5326, 5544, 5490, 5441, 5722, 5451, 5706, 5567, 5665, 5657, 5419, 5396, 5262, 5501, 5565, 5450, 5631, 5327, 5319, 5605, 5437, 5581, 5558, 5496, 5627, 5592, 5526, 5676, 5483, 5468, 5328, 5413, 5260, 5312, 5435, 5656, 5306, 5538, 5536, 5463, 5704, 5702, 5550, 5563, 5546, 5295, 5254, 5599, 5645, 5305, 5376, 5255, 5655, 5556 (10 hits) (12/14/2009 07:58:57 PM)
3	9	1.0	333.0	Yes	5290.0MHz, -64.0dBm	Hop sequence: 5701, 5627, 5647, 5606, 5703, 5536, 5699, 5259, 5295, 5337, 5725, 5611, 5328, 5640, 5414, 5497, 5469, 5554, 5362, 5515, 5440, 5393, 5567, 5632, 5719, 5680, 5424, 5596, 5609, 5454, 5619, 5448, 5490, 5344, 5670, 5584, 5668, 5586, 5560, 5538, 5476, 5601, 5376, 5375, 5705, 5299, 5346, 5335, 5695, 5357, 5427, 5616, 5417, 5516, 5653, 5471, 5610, 5410, 5551, 5539, 5526, 5520, 5690, 5692, 5442, 5331, 5577, 5275, 5439, 5474, 5543, 5613, 5667, 5391, 5600, 5425, 5320, 5306, 5578, 5453, 5565, 5332, 5378, 5377, 5722, 5402, 5642, 5435, 5669, 5277, 5398, 5689, 5348, 5385, 5592, 5265, 5694, 5458, 5274, 5512 (5 hits) (12/14/2009 07:59:11 PM)

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
4	9	1.0	333.0	Yes	5291.0MHz, -64.0dBm	Hop sequence: 5621, 5462, 5548, 5386, 5437, 5484, 5597, 5286, 5387, 5266, 5527, 5568, 5465, 5700, 5284, 5365, 5323, 5337, 5395, 5376, 5608, 5282, 5694, 5253, 5328, 5377, 5366, 5340, 5487, 5261, 5336, 5615, 5586, 5690, 5330, 5592, 5456, 5311, 5272, 5567, 5579, 5469, 5352, 5278, 5578, 5648, 5287, 5689, 5388, 5449, 5649, 5650, 5663, 5357, 5331, 5530, 5412, 5466, 5308, 5461, 5271, 5450, 5418, 5380, 5674, 5605, 5299, 5439, 5411, 5725, 5498, 5360, 5424, 5276, 5714, 5318, 5523, 5691, 5288, 5699, 5552, 5603, 5334, 5453, 5398, 5613, 5319, 5507, 5416, 5292, 5346, 5564, 5280, 5325, 5262, 5709, 5508, 5713, 5668, 5396 (10 hits) (12/14/2009 07:59:51 PM)
5	9	1.0	333.0	Yes	5292.0MHz, -64.0dBm	Hop sequence: 5356, 5626, 5600, 5506, 5336, 5695, 5584, 5332, 5617, 5355, 5342, 5406, 5667, 5562, 5367, 5576, 5477, 5391, 5335, 5258, 5715, 5450, 5405, 5465, 5614, 5298, 5682, 5275, 5547, 5467, 5662, 5351, 5536, 5377, 5446, 5633, 5655, 5259, 5526, 5487, 5388, 5429, 5512, 5387, 5273, 5673, 5531, 5628, 5376, 5287, 5420, 5639, 5489, 5299, 5434, 5444, 5453, 5722, 5583, 5607, 5652, 5516, 5542, 5521, 5586, 5659, 5361, 5461, 5587, 5510, 5517, 5490, 5522, 5277, 5554, 5503, 5603, 5428, 5625, 5286, 5464, 5276, 5284, 5398, 5647, 5436, 5645, 5637, 5438, 5579, 5304, 5515, 5570, 5683, 5486, 5658, 5636, 5285, 5632, 5622 (3 hits) (12/14/2009 08:00:08 PM)
6	9	1.0	333.0	Yes	5293.0MHz, -64.0dBm	Hop sequence: 5563, 5569, 5387, 5635, 5608, 5557, 5583, 5549, 5578, 5353, 5532, 5617, 5499, 5394, 5410, 5312, 5580, 5415, 5370, 5586, 5678, 5565, 5631, 5613, 5453, 5538, 5383, 5502, 5524, 5576, 5367, 5444, 5351, 5550, 5259, 5425, 5304, 5606, 5411, 5649, 5412, 5405, 5455, 5274, 5260, 5642, 5438, 5382, 5268, 5433, 5474, 5545, 5509, 5512, 5618, 5626, 5556, 5459, 5561, 5413, 5508, 5466, 5300, 5553, 5323, 5562, 5393, 5610, 5439, 5621, 5685, 5605, 5568, 5469, 5478, 5680, 5289, 5622, 5480, 5485, 5655, 5282, 5596, 5449, 5256, 5278, 5352, 5253, 5640, 5504, 5517, 5447, 5330, 5702, 5497, 5395, 5723, 5698, 5709, 5402 (5 hits) (12/14/2009 08:00:18 PM)
7	9	1.0	333.0	Yes	5294.0MHz,	Hop sequence: 5710, 5622, 5704, 5587,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	5713, 5492, 5466, 5295, 5627, 5297, 5679, 5385, 5378, 5514, 5560, 5592, 5687, 5722, 5458, 5293, 5267, 5391, 5445, 5509, 5309, 5518, 5493, 5726, 5669, 5416, 5714, 5610, 5332, 5338, 5661, 5451, 5400, 5319, 5462, 5547, 5490, 5268, 5620, 5523, 5424, 5441, 5361, 5689, 5681, 5252, 5286, 5440, 5545, 5521, 5381, 5366, 5646, 5260, 5487, 5363, 5411, 5415, 5640, 5586, 5548, 5376, 5495, 5527, 5656, 5271, 5535, 5250, 5637, 5408, 5718, 5353, 5573, 5364, 5625, 5281, 5275, 5379, 5418, 5590, 5356, 5588, 5524, 5413, 5438, 5315, 5399, 5651, 5377, 5452, 5327, 5374, 5310, 5287, 5390, 5568 (8 hits) (12/14/2009 08:00:31 PM)
8	9	1.0	333.0	Yes	5295.0MHz, -64.0dBm	Hop sequence: 5671, 5498, 5686, 5438, 5670, 5432, 5598, 5642, 5470, 5259, 5357, 5687, 5337, 5279, 5453, 5488, 5330, 5504, 5428, 5604, 5320, 5450, 5401, 5464, 5540, 5566, 5447, 5456, 5278, 5563, 5477, 5655, 5256, 5385, 5584, 5430, 5580, 5413, 5591, 5491, 5272, 5469, 5460, 5707, 5261, 5416, 5417, 5380, 5506, 5351, 5509, 5651, 5573, 5329, 5662, 5334, 5496, 5554, 5646, 5606, 5644, 5309, 5290, 5303, 5437, 5323, 5478, 5486, 5556, 5484, 5276, 5419, 5698, 5507, 5536, 5307, 5373, 5358, 5517, 5596, 5338, 5406, 5452, 5381, 5500, 5354, 5627, 5404, 5508, 5371, 5366, 5260, 5393, 5494, 5552, 5699, 5614, 5665, 5516, 5433 (8 hits) (12/14/2009 08:00:39 PM)
9	9	1.0	333.0	Yes	5296.0MHz, -64.0dBm	Hop sequence: 5456, 5284, 5506, 5537, 5376, 5257, 5288, 5637, 5272, 5707, 5431, 5280, 5355, 5496, 5683, 5264, 5503, 5309, 5725, 5361, 5552, 5392, 5718, 5359, 5572, 5262, 5445, 5522, 5706, 5689, 5390, 5396, 5632, 5511, 5568, 5460, 5721, 5482, 5274, 5329, 5594, 5315, 5401, 5358, 5464, 5636, 5402, 5374, 5319, 5365, 5566, 5415, 5339, 5510, 5372, 5484, 5563, 5576, 5349, 5449, 5325, 5662, 5331, 5625, 5268, 5671, 5665, 5360, 5419, 5363, 5524, 5654, 5400, 5629, 5476, 5613, 5710, 5551, 5458, 5538, 5282, 5588, 5290, 5459, 5398, 5342, 5344, 5490, 5541, 5535, 5558, 5265, 5405, 5426, 5266, 5570, 5658, 5386, 5311, 5467 (7 hits) (12/14/2009 08:00:55 PM)
10	9	1.0	333.0	Yes	5297.0MHz, -64.0dBm	Hop sequence: 5528, 5365, 5726, 5566, 5545, 5299, 5699, 5461, 5342, 5275,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5507, 5709, 5518, 5386, 5578, 5396, 5286, 5505, 5570, 5333, 5413, 5628, 5526, 5419, 5389, 5635, 5458, 5678, 5710, 5524, 5674, 5313, 5715, 5575, 5252, 5356, 5289, 5308, 5441, 5451, 5324, 5619, 5585, 5615, 5489, 5444, 5663, 5466, 5659, 5452, 5477, 5712, 5338, 5274, 5259, 5321, 5668, 5410, 5657, 5599, 5484, 5351, 5695, 5264, 5481, 5564, 5725, 5296, 5311, 5334, 5611, 5284, 5482, 5547, 5379, 5645, 5552, 5510, 5271, 5501, 5358, 5641, 5680, 5487, 5435, 5449, 5263, 5626, 5437, 5586, 5516, 5362, 5453, 5531, 5318, 5548, 5418, 5633, 5258, 5407 (8 hits) (12/14/2009 08:01:18 PM)
11	9	1.0	333.0	Yes	5298.0MHz, -64.0dBm	Hop sequence: 5520, 5339, 5406, 5624, 5567, 5652, 5342, 5656, 5686, 5407, 5511, 5356, 5395, 5559, 5558, 5318, 5331, 5370, 5414, 5436, 5400, 5338, 5509, 5628, 5515, 5621, 5535, 5598, 5468, 5666, 5260, 5301, 5469, 5600, 5555, 5382, 5506, 5529, 5508, 5516, 5562, 5265, 5518, 5699, 5443, 5364, 5434, 5308, 5503, 5586, 5618, 5675, 5587, 5416, 5462, 5697, 5584, 5689, 5677, 5645, 5629, 5374, 5314, 5550, 5668, 5384, 5499, 5300, 5578, 5369, 5492, 5554, 5651, 5461, 5290, 5479, 5694, 5365, 5603, 5524, 5532, 5671, 5299, 5484, 5590, 5409, 5704, 5627, 5676, 5659, 5334, 5696, 5544, 5303, 5609, 5657, 5561, 5371, 5343, 5716 (8 hits) (12/14/2009 08:01:32 PM)
12	9	1.0	333.0	Yes	5299.0MHz, -64.0dBm	Hop sequence: 5472, 5645, 5281, 5275, 5702, 5673, 5349, 5490, 5360, 5403, 5261, 5518, 5563, 5390, 5446, 5660, 5554, 5278, 5424, 5517, 5359, 5726, 5597, 5525, 5385, 5561, 5258, 5259, 5336, 5420, 5375, 5372, 5444, 5506, 5677, 5266, 5421, 5484, 5292, 5412, 5638, 5598, 5496, 5556, 5418, 5500, 5387, 5492, 5361, 5618, 5434, 5304, 5555, 5320, 5428, 5374, 5725, 5557, 5255, 5423, 5451, 5509, 5699, 5584, 5272, 5532, 5712, 5661, 5544, 5273, 5646, 5439, 5664, 5676, 5358, 5694, 5659, 5649, 5498, 5331, 5462, 5621, 5315, 5613, 5482, 5691, 5627, 5465, 5327, 5633, 5724, 5485, 5675, 5445, 5470, 5443, 5286, 5459, 5432, 5553 (5 hits) (12/14/2009 08:01:42 PM)
13	9	1.0	333.0	Yes	5300.0MHz, -64.0dBm	Hop sequence: 5690, 5442, 5675, 5551, 5498, 5492, 5469, 5452, 5495, 5270, 5306, 5587, 5619, 5344, 5712, 5346,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5499, 5322, 5416, 5392, 5573, 5353, 5518, 5269, 5574, 5480, 5326, 5491, 5606, 5575, 5699, 5406, 5485, 5696, 5398, 5441, 5261, 5653, 5408, 5378, 5272, 5590, 5423, 5419, 5578, 5459, 5605, 5364, 5715, 5324, 5601, 5695, 5681, 5655, 5542, 5454, 5579, 5431, 5256, 5283, 5686, 5646, 5689, 5660, 5627, 5639, 5369, 5362, 5323, 5711, 5375, 5333, 5677, 5664, 5417, 5585, 5564, 5658, 5563, 5620, 5405, 5478, 5421, 5567, 5668, 5443, 5379, 5594, 5589, 5403, 5331, 5558, 5321, 5463, 5377, 5317, 5278, 5267, 5524, 5361 (7 hits) (12/14/2009 08:01:53 PM)
14	9	1.0	333.0	Yes	5301.0MHz, -64.0dBm	Hop sequence: 5663, 5463, 5486, 5256, 5423, 5713, 5620, 5514, 5271, 5691, 5721, 5714, 5435, 5266, 5630, 5489, 5314, 5559, 5525, 5359, 5655, 5564, 5724, 5462, 5725, 5342, 5717, 5670, 5652, 5504, 5280, 5692, 5613, 5684, 5323, 5711, 5410, 5594, 5561, 5647, 5294, 5276, 5367, 5397, 5283, 5617, 5590, 5610, 5480, 5328, 5568, 5347, 5344, 5250, 5332, 5669, 5552, 5695, 5454, 5506, 5491, 5639, 5545, 5455, 5300, 5536, 5697, 5534, 5360, 5662, 5492, 5302, 5710, 5532, 5657, 5329, 5686, 5658, 5487, 5409, 5501, 5436, 5426, 5406, 5479, 5457, 5629, 5392, 5606, 5345, 5285, 5660, 5311, 5505, 5430, 5643, 5257, 5516, 5633, 5259 (8 hits) (12/14/2009 08:02:06 PM)
15	9	1.0	333.0	Yes	5302.0MHz, -64.0dBm	Hop sequence: 5397, 5445, 5501, 5506, 5415, 5577, 5443, 5363, 5393, 5692, 5365, 5262, 5576, 5669, 5347, 5332, 5279, 5525, 5668, 5578, 5555, 5720, 5357, 5276, 5637, 5286, 5536, 5549, 5270, 5583, 5491, 5632, 5580, 5424, 5352, 5699, 5467, 5563, 5705, 5677, 5395, 5680, 5567, 5275, 5410, 5254, 5258, 5430, 5268, 5374, 5326, 5522, 5508, 5380, 5514, 5540, 5642, 5345, 5585, 5372, 5284, 5618, 5551, 5349, 5271, 5337, 5474, 5459, 5362, 5452, 5602, 5648, 5330, 5377, 5681, 5421, 5612, 5468, 5483, 5504, 5334, 5557, 5283, 5312, 5530, 5338, 5724, 5717, 5652, 5706, 5582, 5304, 5621, 5600, 5488, 5451, 5521, 5694, 5315, 5485 (5 hits) (12/14/2009 08:02:19 PM)
16	9	1.0	333.0	Yes	5303.0MHz, -64.0dBm	Hop sequence: 5440, 5712, 5402, 5394, 5720, 5253, 5475, 5559, 5598, 5533, 5427, 5364, 5379, 5693, 5277, 5609, 5516, 5444, 5625, 5688, 5454, 5550,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5671, 5644, 5506, 5296, 5599, 5264, 5650, 5359, 5627, 5336, 5699, 5407, 5692, 5318, 5443, 5675, 5390, 5645, 5350, 5417, 5408, 5479, 5397, 5295, 5494, 5723, 5553, 5355, 5664, 5705, 5703, 5396, 5552, 5288, 5481, 5303, 5420, 5539, 5436, 5311, 5291, 5457, 5725, 5451, 5605, 5431, 5415, 5588, 5719, 5340, 5617, 5375, 5635, 5622, 5544, 5663, 5388, 5685, 5587, 5351, 5286, 5252, 5600, 5251, 5273, 5680, 5711, 5331, 5267, 5697, 5271, 5352, 5309, 5706, 5477, 5673, 5689, 5470 (7 hits) (12/14/2009 08:02:32 PM)
17	9	1.0	333.0	Yes	5304.0MHz, -64.0dBm	Hop sequence: 5289, 5598, 5425, 5634, 5316, 5642, 5540, 5602, 5437, 5434, 5454, 5368, 5574, 5517, 5326, 5466, 5543, 5329, 5361, 5506, 5334, 5447, 5617, 5433, 5282, 5511, 5495, 5562, 5399, 5486, 5628, 5485, 5258, 5346, 5352, 5524, 5641, 5367, 5596, 5410, 5322, 5592, 5375, 5659, 5270, 5556, 5647, 5525, 5693, 5635, 5649, 5342, 5722, 5653, 5307, 5716, 5293, 5426, 5723, 5427, 5475, 5679, 5446, 5359, 5519, 5273, 5419, 5703, 5332, 5503, 5320, 5311, 5603, 5373, 5581, 5390, 5584, 5442, 5436, 5515, 5565, 5408, 5580, 5571, 5671, 5340, 5601, 5544, 5469, 5604, 5558, 5542, 5467, 5627, 5690, 5372, 5348, 5381, 5621, 5719 (8 hits) (12/14/2009 08:02:41 PM)
18	9	1.0	333.0	Yes	5305.0MHz, -64.0dBm	Hop sequence: 5402, 5666, 5579, 5607, 5256, 5627, 5347, 5277, 5677, 5593, 5386, 5650, 5479, 5267, 5500, 5608, 5430, 5485, 5537, 5506, 5599, 5633, 5345, 5609, 5423, 5534, 5639, 5300, 5446, 5418, 5361, 5314, 5524, 5501, 5391, 5618, 5492, 5324, 5372, 5590, 5556, 5334, 5508, 5653, 5530, 5497, 5669, 5339, 5580, 5465, 5298, 5467, 5613, 5316, 5588, 5441, 5373, 5328, 5262, 5422, 5600, 5522, 5385, 5714, 5452, 5523, 5533, 5398, 5688, 5662, 5616, 5678, 5726, 5612, 5652, 5395, 5623, 5595, 5554, 5680, 5297, 5258, 5575, 5306, 5295, 5311, 5574, 5261, 5419, 5325, 5458, 5281, 5322, 5484, 5571, 5388, 5476, 5468, 5631, 5499 (12 hits) (12/14/2009 08:02:51 PM)
19	9	1.0	333.0	Yes	5306.0MHz, -64.0dBm	Hop sequence: 5277, 5692, 5288, 5251, 5314, 5613, 5315, 5713, 5701, 5680, 5359, 5504, 5663, 5326, 5491, 5536, 5530, 5276, 5664, 5361, 5472, 5320, 5330, 5671, 5665, 5261, 5473, 5296,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5435, 5715, 5307, 5394, 5305, 5688, 5677, 5616, 5660, 5563, 5492, 5321, 5331, 5386, 5541, 5265, 5425, 5266, 5383, 5449, 5285, 5405, 5334, 5452, 5683, 5443, 5441, 5723, 5445, 5668, 5448, 5590, 5355, 5698, 5646, 5648, 5709, 5369, 5409, 5257, 5603, 5253, 5322, 5579, 5391, 5564, 5661, 5353, 5594, 5346, 5636, 5637, 5645, 5602, 5256, 5495, 5485, 5669, 5270, 5406, 5714, 5520, 5433, 5587, 5649, 5372, 5352, 5543, 5605, 5264, 5514, 5503 (10 hits) (12/14/2009 08:03:19 PM)
20	9	1.0	333.0	Yes	5307.0MHz, -64.0dBm	Hop sequence: 5460, 5507, 5368, 5375, 5355, 5672, 5289, 5559, 5502, 5371, 5350, 5683, 5652, 5403, 5369, 5452, 5638, 5406, 5424, 5473, 5443, 5353, 5393, 5702, 5486, 5347, 5430, 5648, 5481, 5525, 5529, 5511, 5542, 5640, 5499, 5354, 5292, 5540, 5495, 5462, 5636, 5703, 5445, 5496, 5256, 5554, 5257, 5724, 5653, 5303, 5616, 5364, 5628, 5306, 5398, 5389, 5519, 5586, 5316, 5324, 5357, 5329, 5270, 5539, 5259, 5348, 5429, 5545, 5464, 5343, 5670, 5417, 5650, 5449, 5717, 5682, 5687, 5691, 5479, 5408, 5455, 5335, 5386, 5722, 5569, 5433, 5709, 5381, 5627, 5431, 5281, 5344, 5675, 5418, 5331, 5463, 5705, 5400, 5332, 5596 (6 hits) (12/14/2009 08:03:29 PM)
21	9	1.0	333.0	Yes	5308.0MHz, -64.0dBm	Hop sequence: 5699, 5561, 5347, 5524, 5501, 5327, 5481, 5580, 5302, 5645, 5700, 5292, 5611, 5268, 5691, 5485, 5591, 5406, 5467, 5588, 5343, 5437, 5571, 5352, 5420, 5715, 5646, 5295, 5669, 5466, 5312, 5273, 5713, 5644, 5517, 5463, 5407, 5534, 5530, 5276, 5417, 5671, 5572, 5284, 5566, 5471, 5592, 5652, 5568, 5372, 5320, 5557, 5307, 5479, 5618, 5387, 5661, 5549, 5520, 5383, 5538, 5378, 5362, 5328, 5279, 5698, 5604, 5603, 5390, 5602, 5338, 5303, 5537, 5498, 5461, 5490, 5606, 5468, 5587, 5633, 5609, 5432, 5454, 5528, 5306, 5413, 5495, 5726, 5585, 5470, 5455, 5594, 5494, 5706, 5648, 5442, 5395, 5480, 5377, 5366 (10 hits) (12/14/2009 08:03:38 PM)
22	9	1.0	333.0	Yes	5309.0MHz, -64.0dBm	Hop sequence: 5724, 5290, 5597, 5705, 5446, 5567, 5389, 5714, 5420, 5528, 5602, 5694, 5612, 5392, 5636, 5295, 5604, 5424, 5545, 5293, 5362, 5422, 5645, 5263, 5534, 5282, 5412, 5624, 5388, 5326, 5677, 5532, 5577, 5526,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5689, 5595, 5369, 5519, 5531, 5383, 5718, 5591, 5344, 5294, 5598, 5415, 5410, 5266, 5374, 5303, 5390, 5300, 5461, 5640, 5254, 5654, 5331, 5533, 5690, 5558, 5688, 5385, 5524, 5330, 5386, 5471, 5401, 5485, 5617, 5555, 5433, 5627, 5644, 5610, 5486, 5269, 5404, 5569, 5523, 5638, 5616, 5264, 5454, 5552, 5669, 5537, 5480, 5298, 5387, 5430, 5680, 5505, 5511, 5720, 5317, 5271, 5355, 5408, 5307, 5411 (11 hits) (12/14/2009 08:03:47 PM)
23	9	1.0	333.0	Yes	5310.0MHz, -64.0dBm	Hop sequence: 5479, 5268, 5333, 5319, 5372, 5708, 5709, 5367, 5662, 5629, 5578, 5281, 5280, 5426, 5643, 5460, 5533, 5267, 5363, 5678, 5517, 5354, 5338, 5311, 5691, 5265, 5567, 5394, 5392, 5389, 5361, 5586, 5303, 5324, 5639, 5399, 5512, 5444, 5698, 5674, 5415, 5722, 5575, 5347, 5646, 5379, 5613, 5286, 5424, 5458, 5382, 5471, 5667, 5271, 5638, 5261, 5551, 5574, 5707, 5352, 5252, 5402, 5724, 5494, 5400, 5672, 5577, 5614, 5711, 5485, 5663, 5300, 5466, 5482, 5332, 5441, 5502, 5563, 5463, 5723, 5558, 5650, 5581, 5541, 5508, 5423, 5318, 5556, 5475, 5540, 5474, 5449, 5687, 5666, 5345, 5457, 5701, 5253, 5272, 5612 (6 hits) (12/14/2009 08:03:57 PM)
24	9	1.0	333.0	Yes	5311.0MHz, -64.0dBm	Hop sequence: 5583, 5331, 5529, 5718, 5573, 5545, 5610, 5656, 5708, 5441, 5279, 5492, 5352, 5609, 5546, 5620, 5511, 5287, 5293, 5289, 5722, 5650, 5391, 5415, 5306, 5448, 5568, 5392, 5281, 5502, 5447, 5632, 5624, 5367, 5398, 5290, 5363, 5365, 5682, 5639, 5318, 5635, 5309, 5366, 5328, 5652, 5680, 5343, 5473, 5555, 5657, 5408, 5516, 5661, 5614, 5478, 5723, 5548, 5479, 5317, 5509, 5388, 5373, 5678, 5536, 5454, 5405, 5446, 5458, 5662, 5665, 5503, 5585, 5453, 5711, 5263, 5550, 5429, 5640, 5554, 5460, 5594, 5362, 5523, 5266, 5292, 5579, 5440, 5643, 5582, 5468, 5277, 5716, 5713, 5660, 5348, 5686, 5608, 5355, 5397 (8 hits) (12/14/2009 08:04:07 PM)
25	9	1.0	333.0	Yes	5312.0MHz, -64.0dBm	Hop sequence: 5405, 5277, 5284, 5325, 5496, 5606, 5328, 5572, 5326, 5266, 5712, 5664, 5399, 5550, 5552, 5534, 5260, 5413, 5566, 5442, 5645, 5267, 5303, 5329, 5409, 5666, 5481, 5392, 5388, 5402, 5708, 5579, 5717, 5720, 5282, 5590, 5419, 5688, 5336, 5518,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5285, 5638, 5674, 5427, 5632, 5408, 5390, 5281, 5563, 5652, 5721, 5558, 5672, 5490, 5682, 5335, 5321, 5316, 5539, 5507, 5594, 5586, 5722, 5662, 5607, 5435, 5396, 5467, 5482, 5264, 5514, 5665, 5603, 5678, 5327, 5501, 5443, 5627, 5386, 5585, 5500, 5624, 5663, 5628, 5254, 5531, 5713, 5510, 5643, 5685, 5383, 5313, 5477, 5355, 5437, 5251, 5519, 5324, 5341, 5255 (10 hits) (12/14/2009 08:04:18 PM)
26	9	1.0	333.0	Yes	5313.0MHz, -64.0dBm	Hop sequence: 5310, 5506, 5559, 5617, 5263, 5320, 5399, 5625, 5620, 5254, 5699, 5275, 5553, 5288, 5622, 5695, 5499, 5290, 5571, 5271, 5327, 5400, 5673, 5569, 5301, 5719, 5704, 5390, 5521, 5427, 5346, 5511, 5323, 5284, 5282, 5649, 5507, 5364, 5690, 5375, 5659, 5510, 5397, 5518, 5445, 5632, 5486, 5636, 5252, 5563, 5333, 5429, 5514, 5674, 5264, 5362, 5340, 5335, 5473, 5449, 5599, 5542, 5462, 5688, 5654, 5650, 5645, 5584, 5709, 5465, 5628, 5260, 5519, 5296, 5430, 5613, 5316, 5321, 5723, 5393, 5544, 5623, 5324, 5420, 5315, 5508, 5697, 5541, 5652, 5394, 5619, 5710, 5312, 5326, 5696, 5638, 5298, 5648, 5586, 5464 (14 hits) (12/14/2009 08:04:28 PM)
27	9	1.0	333.0	Yes	5314.0MHz, -64.0dBm	Hop sequence: 5266, 5309, 5499, 5690, 5683, 5340, 5435, 5693, 5721, 5458, 5268, 5407, 5567, 5256, 5646, 5647, 5623, 5663, 5632, 5613, 5618, 5599, 5450, 5622, 5550, 5592, 5379, 5601, 5621, 5271, 5324, 5591, 5357, 5516, 5656, 5250, 5612, 5561, 5352, 5392, 5370, 5519, 5723, 5711, 5655, 5280, 5425, 5641, 5395, 5337, 5584, 5470, 5485, 5380, 5586, 5587, 5542, 5725, 5505, 5438, 5285, 5255, 5691, 5372, 5396, 5558, 5543, 5462, 5298, 5665, 5496, 5449, 5318, 5600, 5329, 5334, 5648, 5433, 5557, 5545, 5311, 5413, 5291, 5416, 5253, 5645, 5360, 5716, 5282, 5455, 5502, 5508, 5300, 5570, 5464, 5686, 5536, 5385, 5719, 5626 (8 hits) (12/14/2009 08:04:37 PM)
28	9	1.0	333.0	Yes	5315.0MHz, -64.0dBm	Hop sequence: 5282, 5462, 5711, 5470, 5650, 5468, 5521, 5351, 5603, 5397, 5306, 5557, 5420, 5564, 5642, 5660, 5507, 5517, 5606, 5700, 5553, 5601, 5256, 5602, 5718, 5513, 5614, 5697, 5492, 5608, 5485, 5520, 5683, 5359, 5353, 5299, 5424, 5656, 5701, 5523, 5621, 5366, 5568, 5403, 5651, 5577,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5426, 5459, 5305, 5340, 5300, 5593, 5460, 5292, 5405, 5525, 5453, 5578, 5314, 5437, 5722, 5533, 5344, 5575, 5337, 5714, 5298, 5669, 5672, 5686, 5385, 5708, 5518, 5343, 5346, 5591, 5380, 5471, 5721, 5270, 5362, 5406, 5355, 5469, 5381, 5673, 5279, 5320, 5477, 5367, 5432, 5335, 5535, 5322, 5503, 5618, 5422, 5628, 5516, 5386 (9 hits) (12/14/2009 08:04:47 PM)
29	9	1.0	333.0	Yes	5316.0MHz, -64.0dBm	Hop sequence: 5529, 5385, 5335, 5589, 5712, 5486, 5595, 5460, 5281, 5474, 5657, 5720, 5537, 5701, 5425, 5514, 5482, 5363, 5490, 5367, 5543, 5575, 5334, 5718, 5564, 5476, 5627, 5292, 5442, 5413, 5357, 5328, 5693, 5556, 5313, 5528, 5519, 5341, 5306, 5698, 5510, 5679, 5613, 5320, 5582, 5393, 5703, 5624, 5498, 5359, 5370, 5508, 5548, 5383, 5407, 5594, 5635, 5431, 5541, 5636, 5253, 5418, 5323, 5419, 5448, 5384, 5311, 5506, 5267, 5706, 5408, 5630, 5395, 5347, 5463, 5587, 5658, 5487, 5470, 5401, 5271, 5389, 5366, 5436, 5628, 5562, 5287, 5707, 5702, 5464, 5569, 5456, 5622, 5713, 5336, 5621, 5616, 5310, 5371, 5685 (8 hits) (12/14/2009 08:04:58 PM)
30	9	1.0	333.0	Yes	5317.0MHz, -64.0dBm	Hop sequence: 5526, 5434, 5571, 5577, 5572, 5470, 5272, 5488, 5644, 5557, 5435, 5339, 5428, 5392, 5591, 5603, 5682, 5636, 5490, 5646, 5417, 5452, 5586, 5282, 5510, 5415, 5447, 5453, 5466, 5670, 5705, 5375, 5465, 5344, 5360, 5650, 5323, 5284, 5411, 5568, 5343, 5348, 5634, 5313, 5467, 5396, 5656, 5337, 5697, 5497, 5521, 5686, 5410, 5407, 5533, 5307, 5690, 5293, 5649, 5618, 5398, 5635, 5421, 5310, 5361, 5679, 5473, 5524, 5520, 5566, 5552, 5502, 5638, 5474, 5500, 5445, 5548, 5363, 5397, 5262, 5315, 5546, 5260, 5314, 5386, 5534, 5658, 5338, 5301, 5582, 5721, 5532, 5288, 5693, 5438, 5346, 5541, 5471, 5400, 5595 (8 hits) (12/14/2009 08:05:09 PM)
31	9	1.0	333.0	Yes	5318.0MHz, -64.0dBm	Hop sequence: 5526, 5257, 5282, 5389, 5494, 5525, 5280, 5623, 5298, 5498, 5555, 5568, 5272, 5571, 5521, 5537, 5457, 5286, 5442, 5376, 5311, 5515, 5461, 5468, 5408, 5327, 5550, 5597, 5277, 5567, 5471, 5588, 5524, 5706, 5438, 5333, 5520, 5400, 5473, 5569, 5356, 5543, 5300, 5480, 5278, 5415, 5666, 5721, 5617, 5332, 5343, 5403,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5709, 5691, 5481, 5576, 5653, 5363, 5297, 5538, 5373, 5514, 5422, 5308, 5421, 5385, 5464, 5678, 5533, 5358, 5685, 5337, 5313, 5614, 5306, 5500, 5283, 5719, 5648, 5704, 5455, 5369, 5707, 5388, 5271, 5251, 5398, 5570, 5610, 5700, 5399, 5465, 5355, 5548, 5541, 5397, 5435, 5561, 5649, 5690 (8 hits) (12/14/2009 08:05:52 PM)
32	9	1.0	333.0	Yes	5319.0MHz, -64.0dBm	Hop sequence: 5322, 5266, 5624, 5651, 5546, 5357, 5558, 5705, 5335, 5377, 5445, 5587, 5264, 5305, 5441, 5260, 5458, 5554, 5517, 5718, 5660, 5653, 5369, 5294, 5589, 5403, 5359, 5562, 5282, 5543, 5677, 5252, 5601, 5283, 5486, 5327, 5412, 5455, 5307, 5443, 5549, 5524, 5618, 5641, 5639, 5598, 5460, 5519, 5585, 5583, 5592, 5287, 5499, 5494, 5378, 5527, 5638, 5679, 5518, 5298, 5310, 5680, 5612, 5675, 5470, 5439, 5489, 5253, 5709, 5367, 5397, 5523, 5270, 5577, 5673, 5320, 5361, 5318, 5376, 5565, 5603, 5453, 5375, 5553, 5623, 5686, 5368, 5381, 5488, 5426, 5683, 5255, 5611, 5613, 5435, 5714, 5296, 5722, 5433, 5491 (10 hits) (12/14/2009 08:06:01 PM)
33	9	1.0	333.0	Yes	5320.0MHz, -64.0dBm	Hop sequence: 5432, 5467, 5366, 5594, 5498, 5412, 5464, 5501, 5275, 5471, 5485, 5488, 5388, 5556, 5354, 5302, 5473, 5530, 5653, 5571, 5612, 5611, 5358, 5402, 5439, 5415, 5282, 5552, 5430, 5540, 5298, 5476, 5462, 5431, 5340, 5582, 5279, 5579, 5640, 5667, 5292, 5522, 5595, 5545, 5674, 5359, 5686, 5349, 5286, 5603, 5497, 5272, 5671, 5544, 5636, 5703, 5277, 5567, 5332, 5576, 5260, 5580, 5536, 5276, 5535, 5547, 5705, 5333, 5405, 5720, 5305, 5699, 5512, 5294, 5631, 5639, 5285, 5459, 5505, 5712, 5687, 5374, 5338, 5676, 5478, 5529, 5503, 5533, 5411, 5477, 5375, 5295, 5696, 5448, 5707, 5569, 5317, 5270, 5328, 5293 (9 hits) (12/14/2009 08:06:11 PM)
34	9	1.0	333.0	Yes	5321.0MHz, -64.0dBm	Hop sequence: 5534, 5555, 5641, 5650, 5328, 5300, 5478, 5337, 5544, 5453, 5626, 5590, 5400, 5543, 5527, 5481, 5514, 5529, 5311, 5688, 5721, 5259, 5409, 5459, 5690, 5625, 5640, 5305, 5414, 5278, 5272, 5359, 5715, 5281, 5421, 5597, 5396, 5332, 5341, 5703, 5720, 5511, 5672, 5480, 5725, 5518, 5457, 5338, 5679, 5492, 5461, 5654, 5380, 5627, 5693, 5711, 5429, 5582,

Table 81 - FCC frequency hopping radar (Type 6) Results 40MHz_BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5406, 5567, 5695, 5388, 5482, 5290, 5384, 5631, 5329, 5601, 5560, 5366, 5292, 5275, 5669, 5449, 5586, 5415, 5441, 5714, 5274, 5320, 5266, 5583, 5623, 5319, 5297, 5269, 5637, 5542, 5589, 5288, 5576, 5663, 5587, 5438, 5399, 5445, 5370, 5487, 5539, 5579 (10 hits) (12/14/2009 08:06:21 PM)
35	9	1.0	333.0	Yes	5322.0MHz, -64.0dBm	Hop sequence: 5512, 5491, 5522, 5525, 5408, 5275, 5537, 5636, 5461, 5710, 5679, 5516, 5441, 5667, 5373, 5368, 5282, 5609, 5649, 5474, 5475, 5607, 5584, 5263, 5560, 5688, 5271, 5291, 5422, 5447, 5421, 5550, 5625, 5274, 5287, 5677, 5420, 5442, 5278, 5619, 5476, 5701, 5647, 5438, 5425, 5315, 5486, 5304, 5703, 5262, 5549, 5298, 5448, 5289, 5284, 5411, 5519, 5605, 5279, 5623, 5579, 5687, 5567, 5481, 5329, 5713, 5523, 5593, 5644, 5686, 5301, 5462, 5638, 5360, 5563, 5561, 5337, 5418, 5471, 5297, 5598, 5698, 5603, 5380, 5419, 5467, 5426, 5386, 5316, 5495, 5311, 5661, 5466, 5569, 5545, 5576, 5675, 5528, 5395, 5345 (9 hits) (12/14/2009 08:06:31 PM)
36	9	1.0	333.0	Yes	5323.0MHz, -64.0dBm	Hop sequence: 5425, 5382, 5605, 5386, 5690, 5638, 5549, 5341, 5618, 5628, 5676, 5705, 5641, 5310, 5517, 5433, 5500, 5688, 5317, 5368, 5369, 5472, 5301, 5663, 5698, 5276, 5625, 5467, 5428, 5269, 5409, 5393, 5634, 5523, 5604, 5335, 5356, 5586, 5289, 5451, 5372, 5716, 5394, 5575, 5287, 5397, 5303, 5631, 5487, 5457, 5489, 5509, 5401, 5259, 5330, 5309, 5539, 5556, 5693, 5373, 5649, 5707, 5413, 5497, 5643, 5616, 5587, 5522, 5553, 5711, 5570, 5624, 5383, 5458, 5405, 5548, 5452, 5325, 5653, 5307, 5650, 5550, 5459, 5389, 5437, 5455, 5706, 5651, 5485, 5680, 5450, 5398, 5708, 5488, 5678, 5554, 5411, 5620, 5507, 5349 (8 hits) (12/14/2009 08:06:49 PM)

Appendix C Test Data Tables and Plots for Channel Closing

FCC PART 15 SUBPART E Channel Closing Measurements

Table 82 - FCC Part 15 Subpart E Channel Closing Test Results					
Waveform Type	Channel Closing Transmission Time [1]		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	0 ms	60 ms	0 ms	10 s	PASS
Radar Type 5	0 ms	60 ms	0 ms	10 s	PASS

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

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

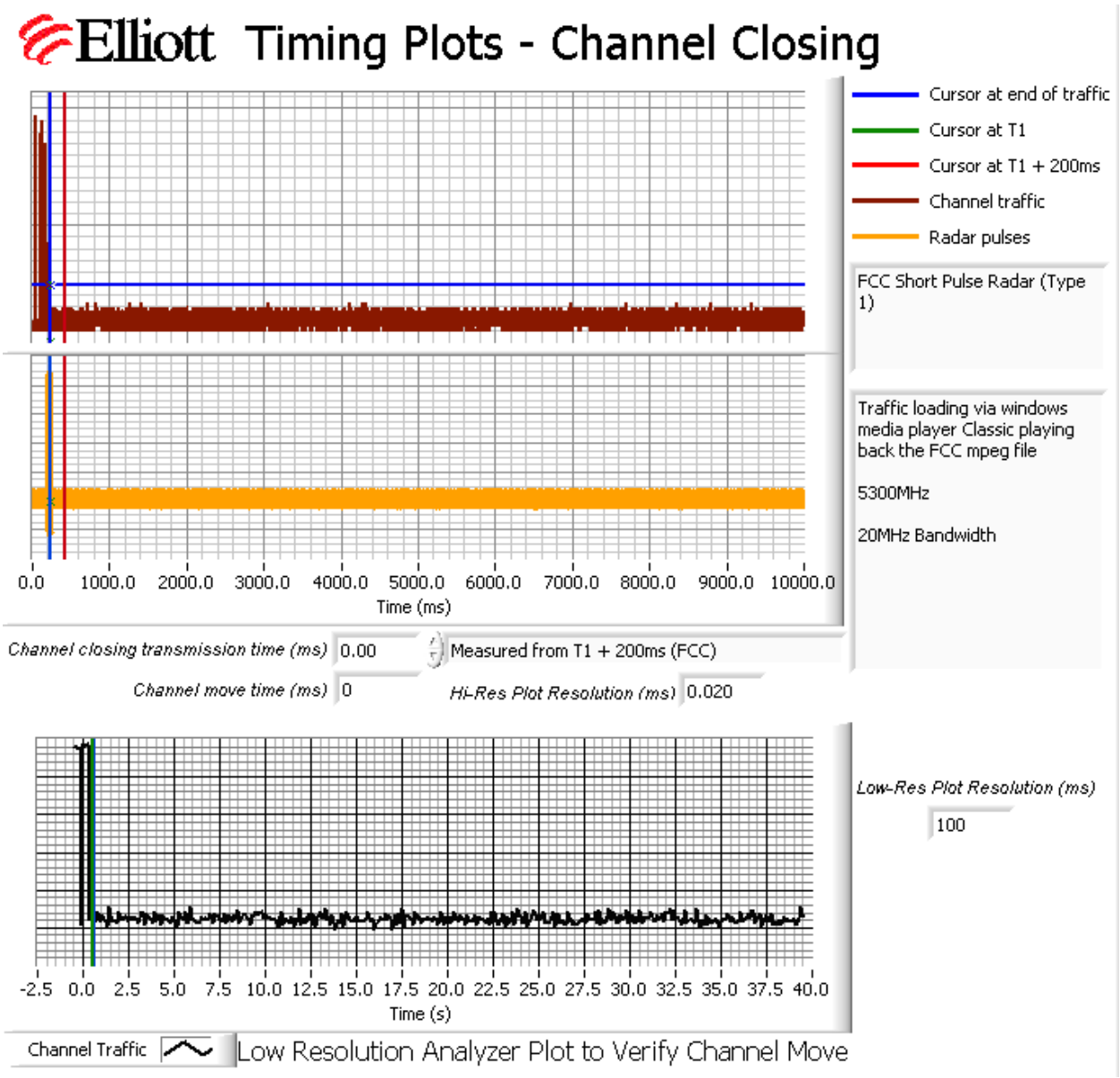


Figure 2 Channel Closing Time and Channel Move Time – 40 second plot

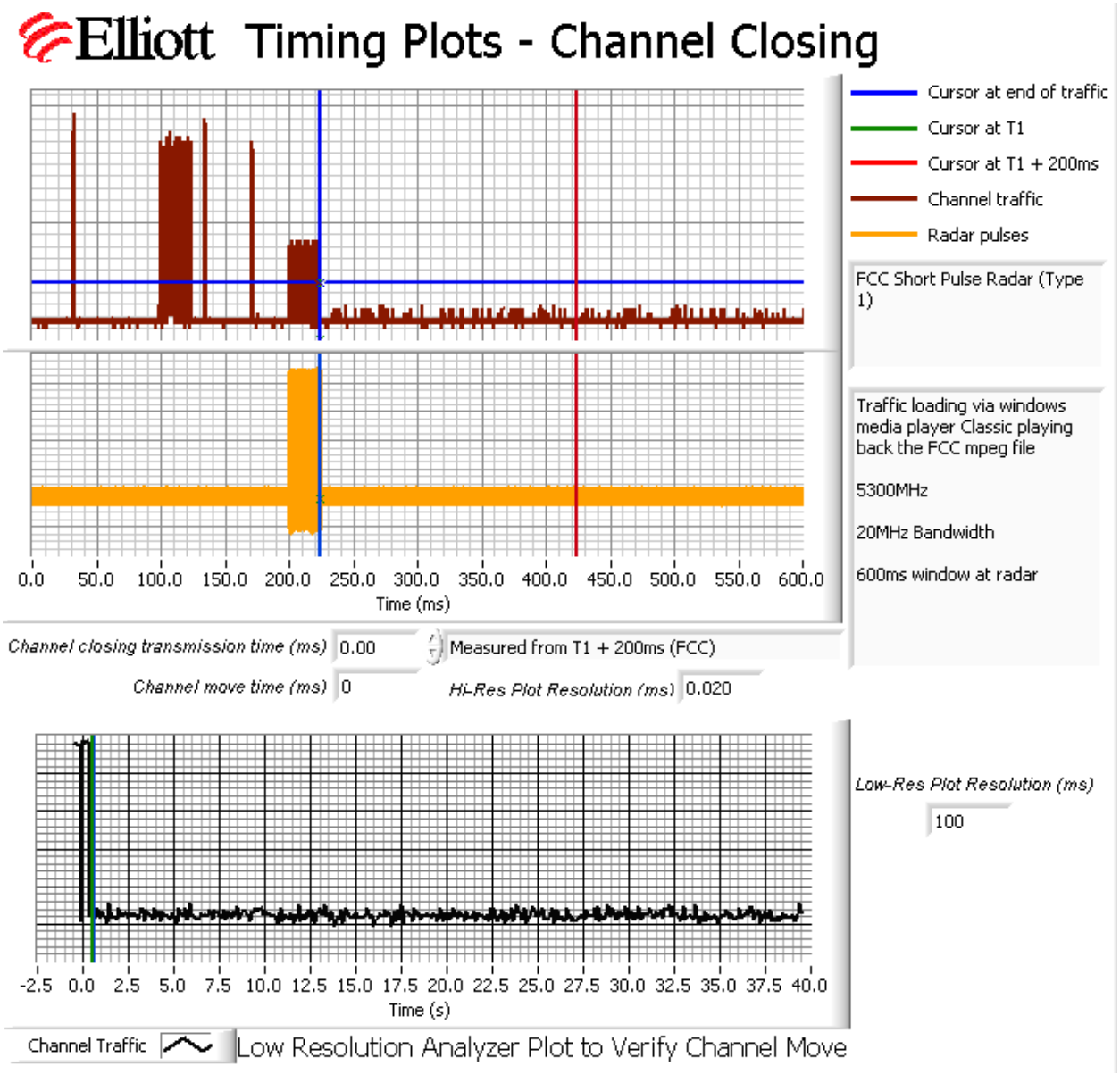


Figure 3 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar

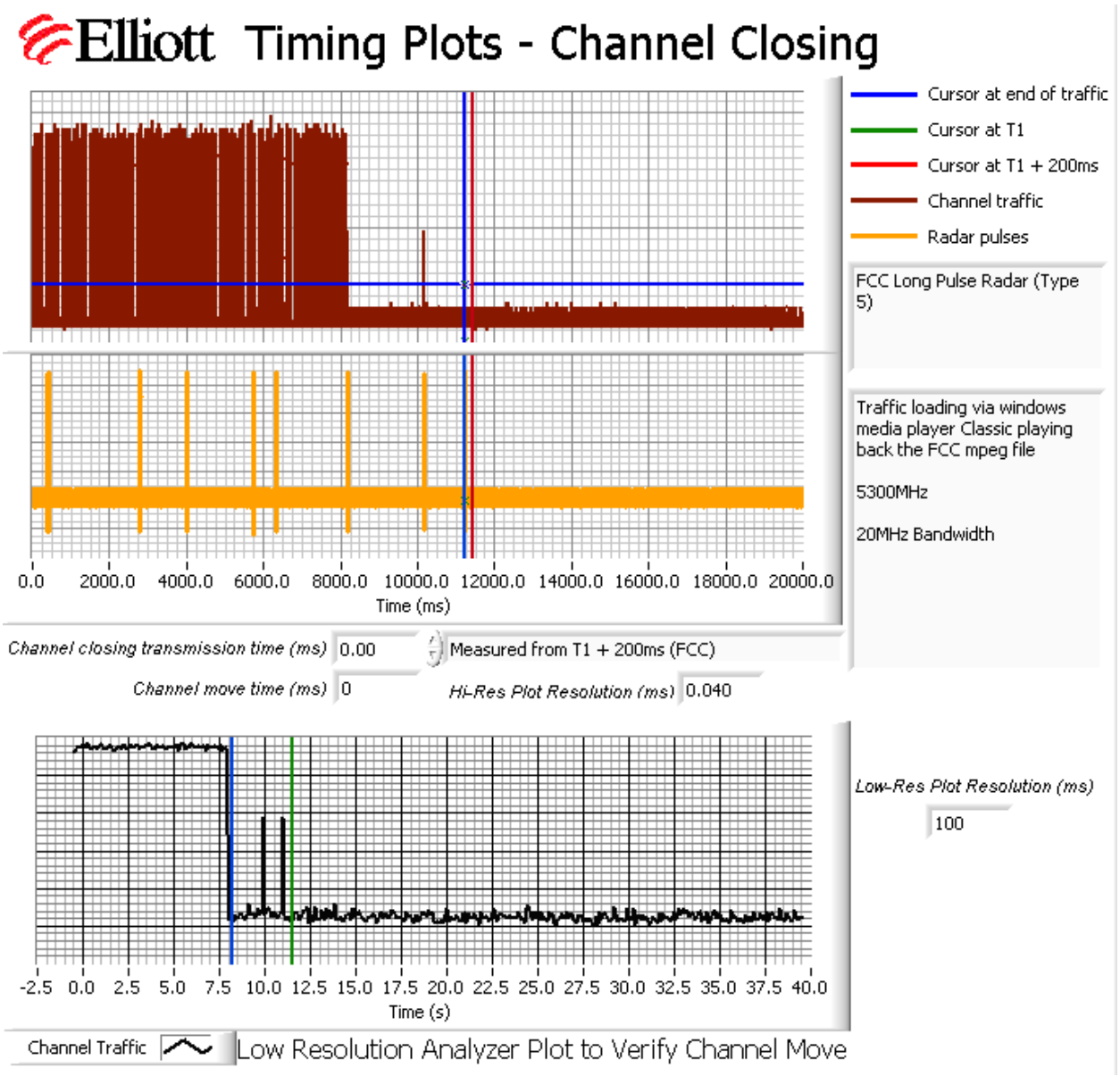


Figure 4 Channel Closing Time and Channel Move Time – 40 second plot (Long Pulse)

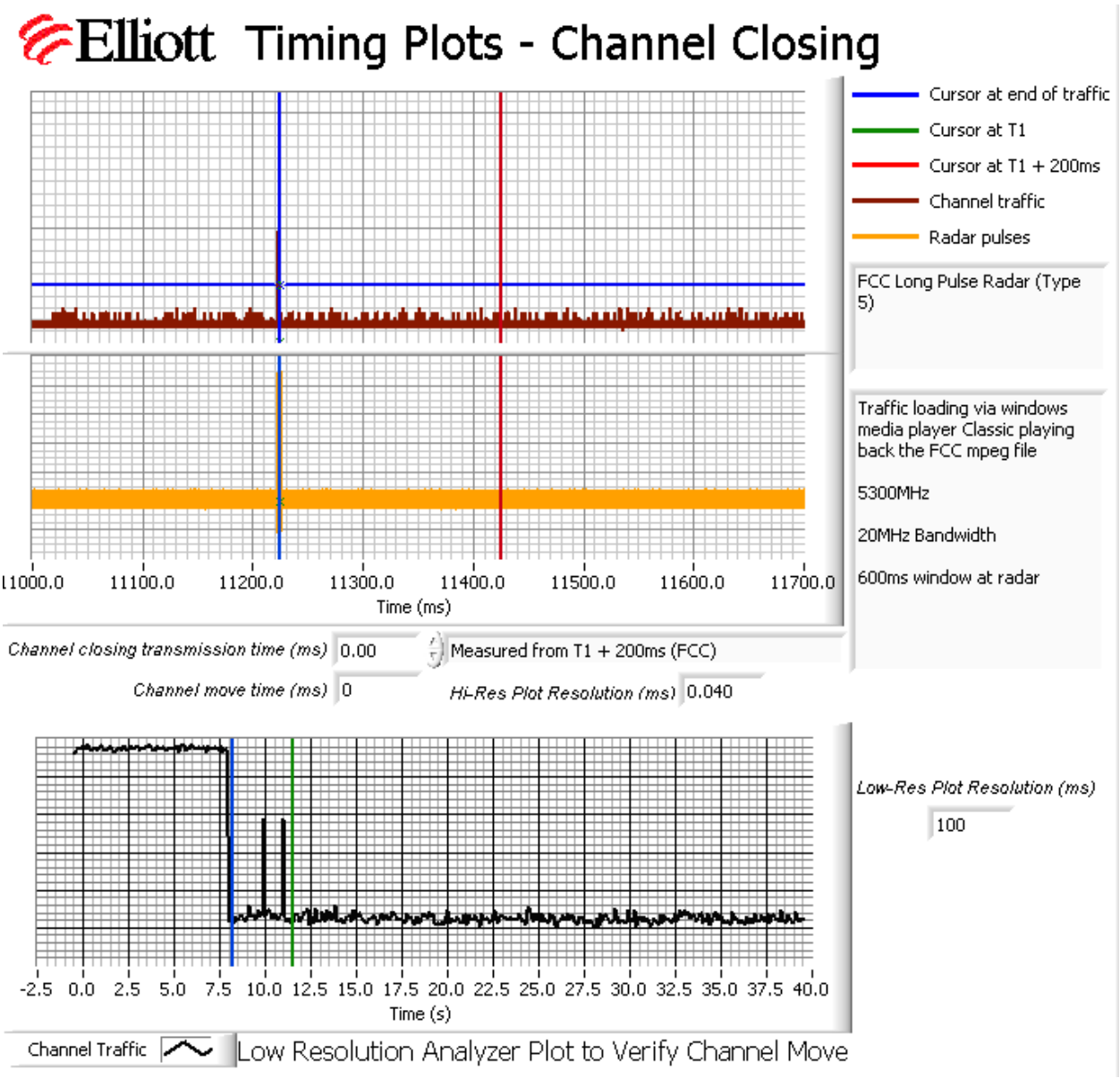


Figure 5 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar (Long Pulse)

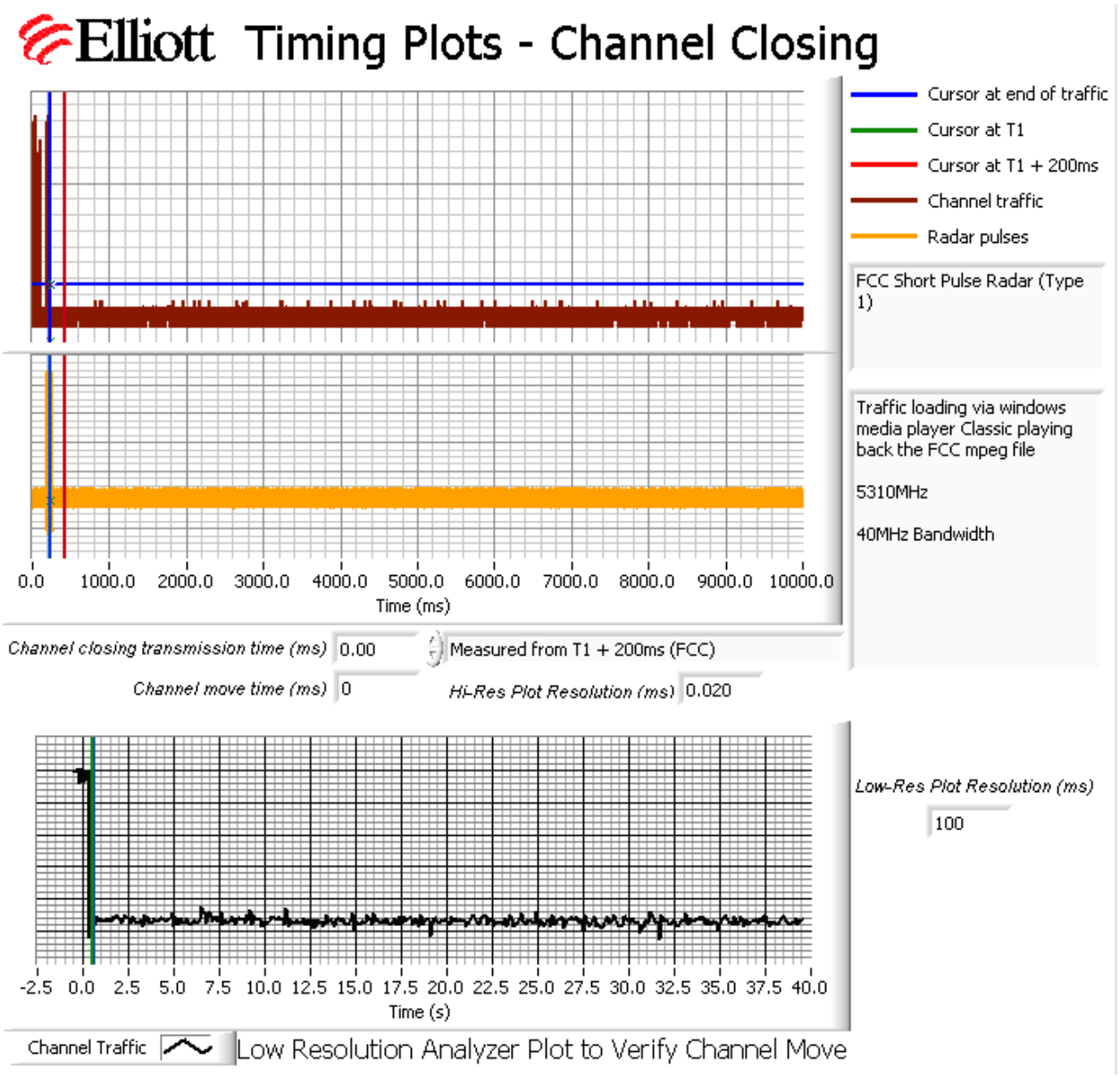


Figure 6 Channel Closing Time and Channel Move Time – 40 second plot

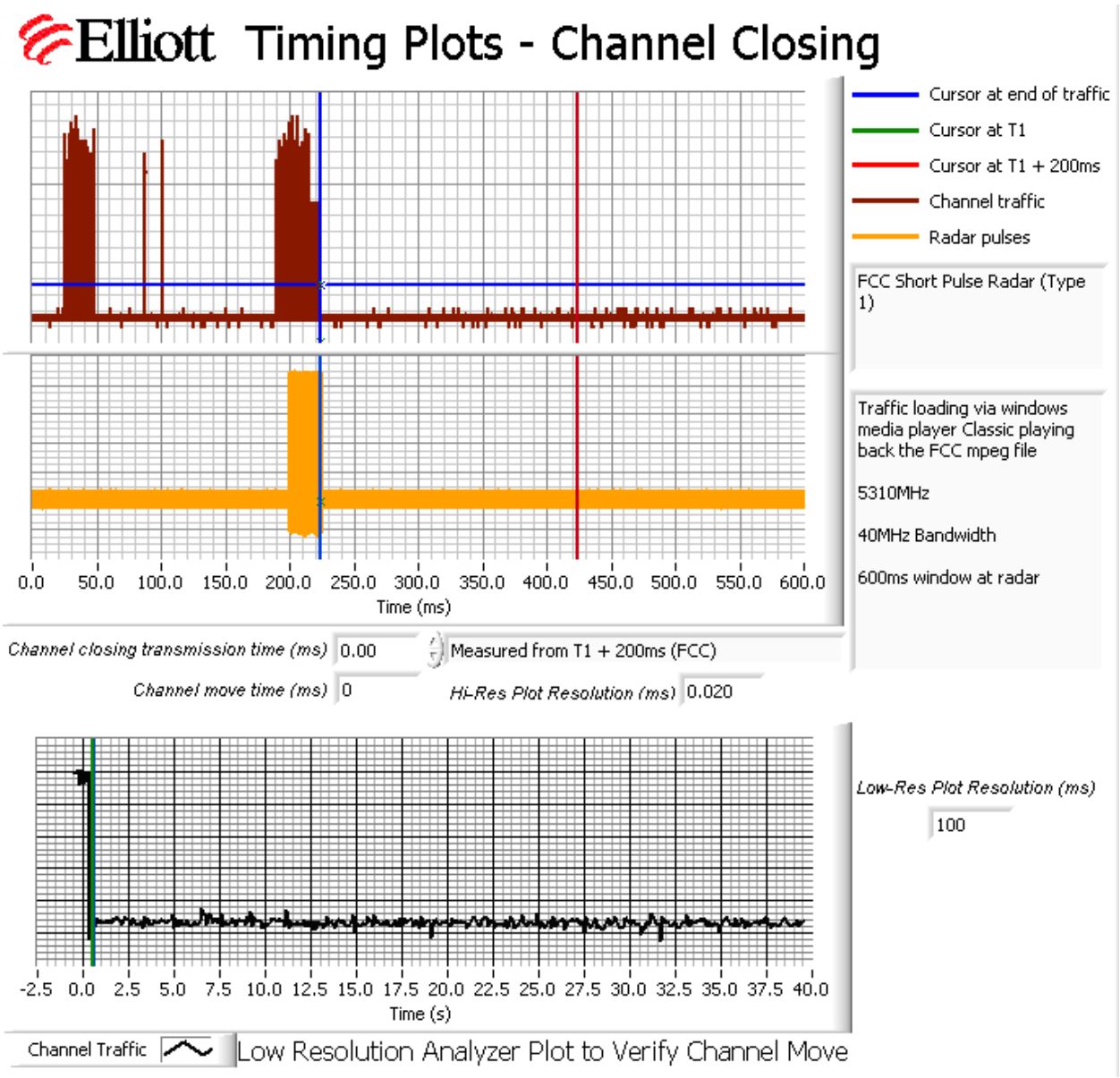


Figure 7 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar

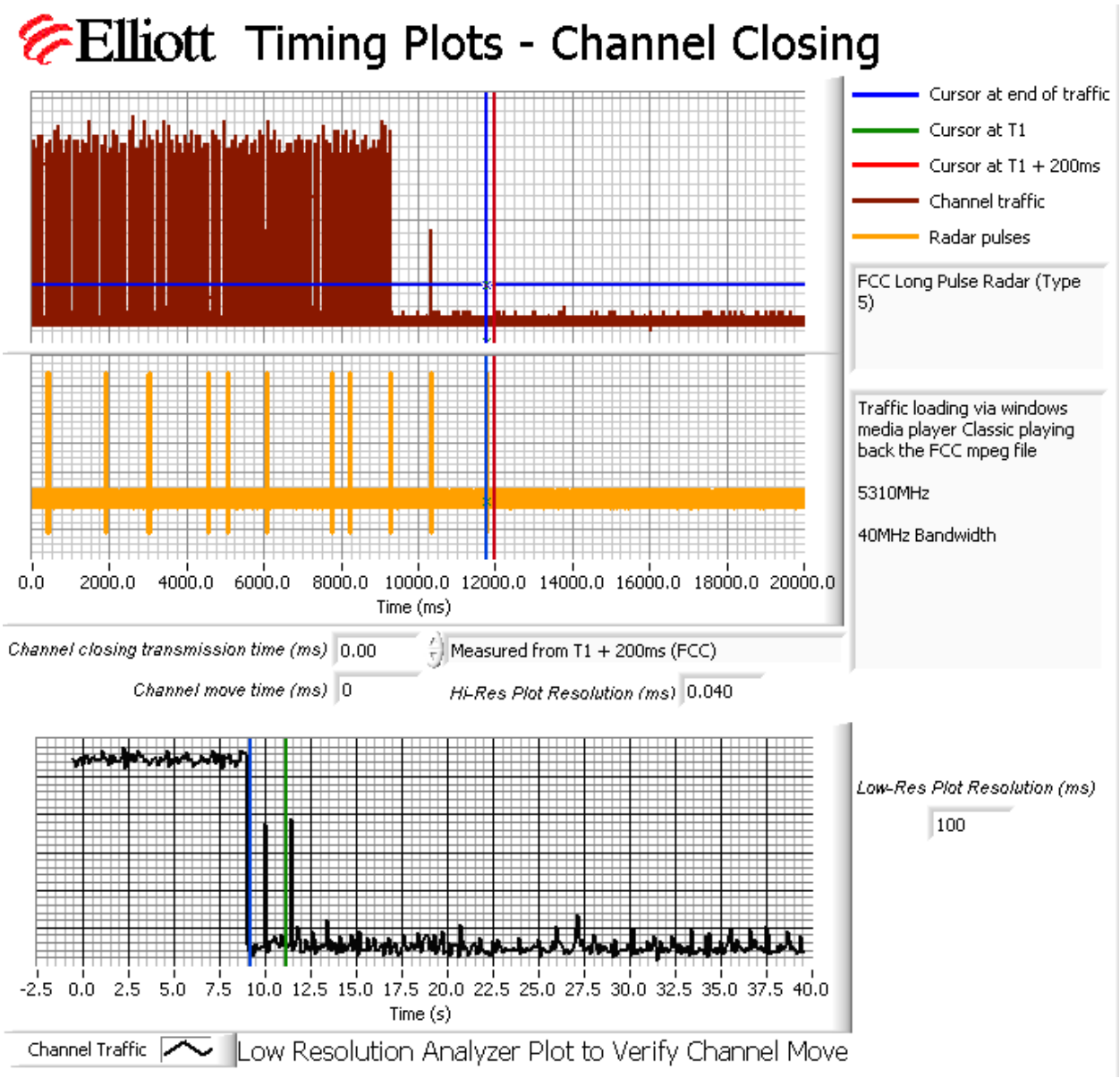


Figure 8 Channel Closing Time and Channel Move Time – 40 second plot (Long Pulse)

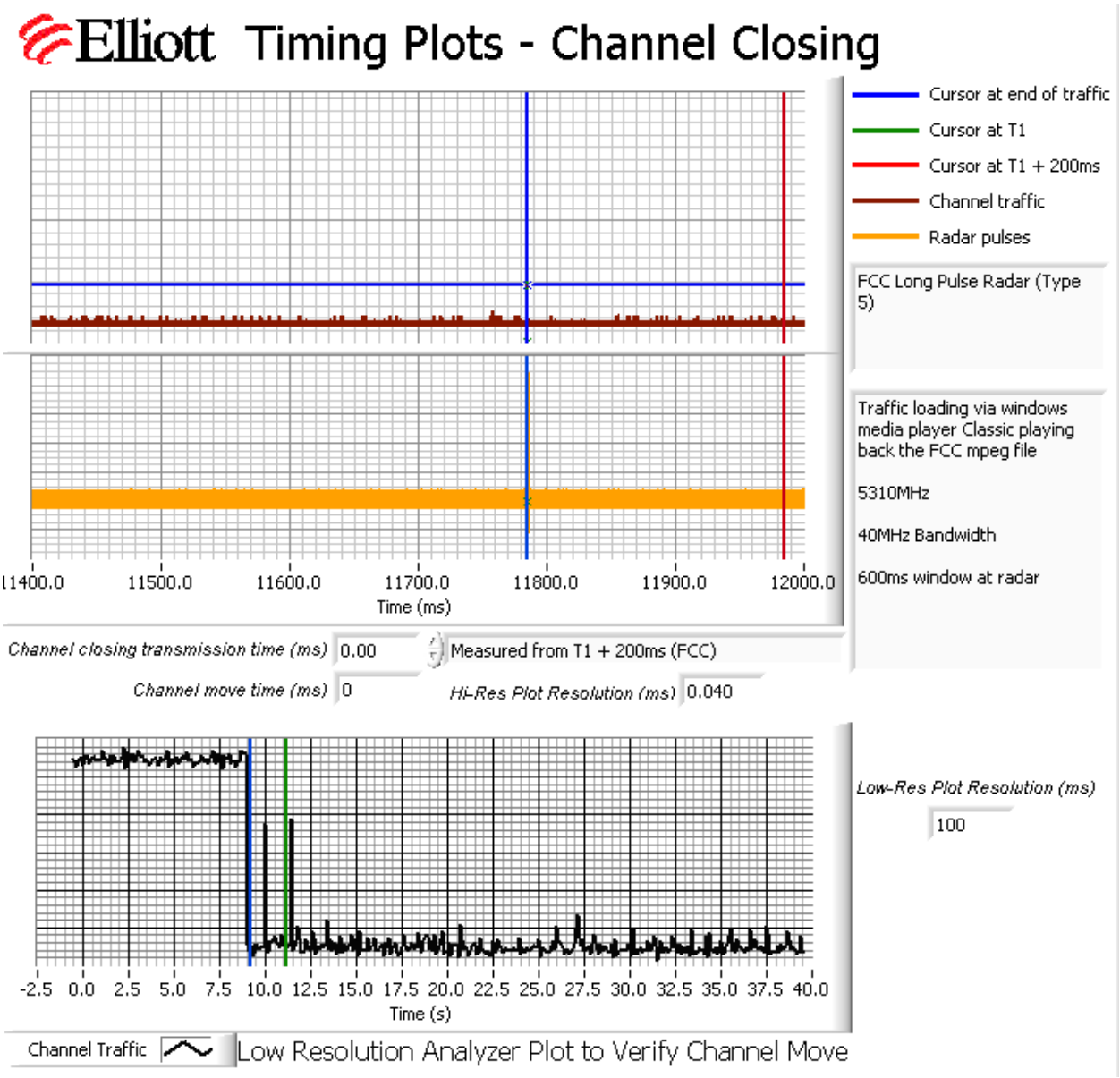


Figure 9 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar (Long Pulse)

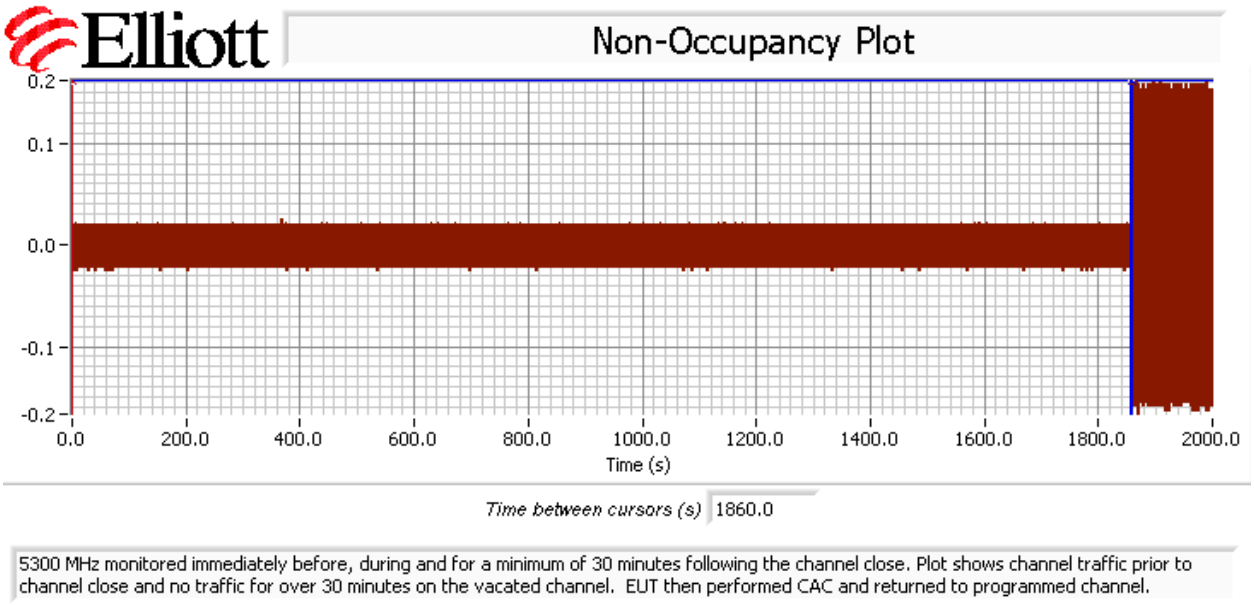


Figure 10 Radar Channel Non-Occupancy Plot

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 close had been completed.

Appendix D Test Data – Channel Availability Check

5250- 5350 MHz, 5470 – 5725 MHz

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

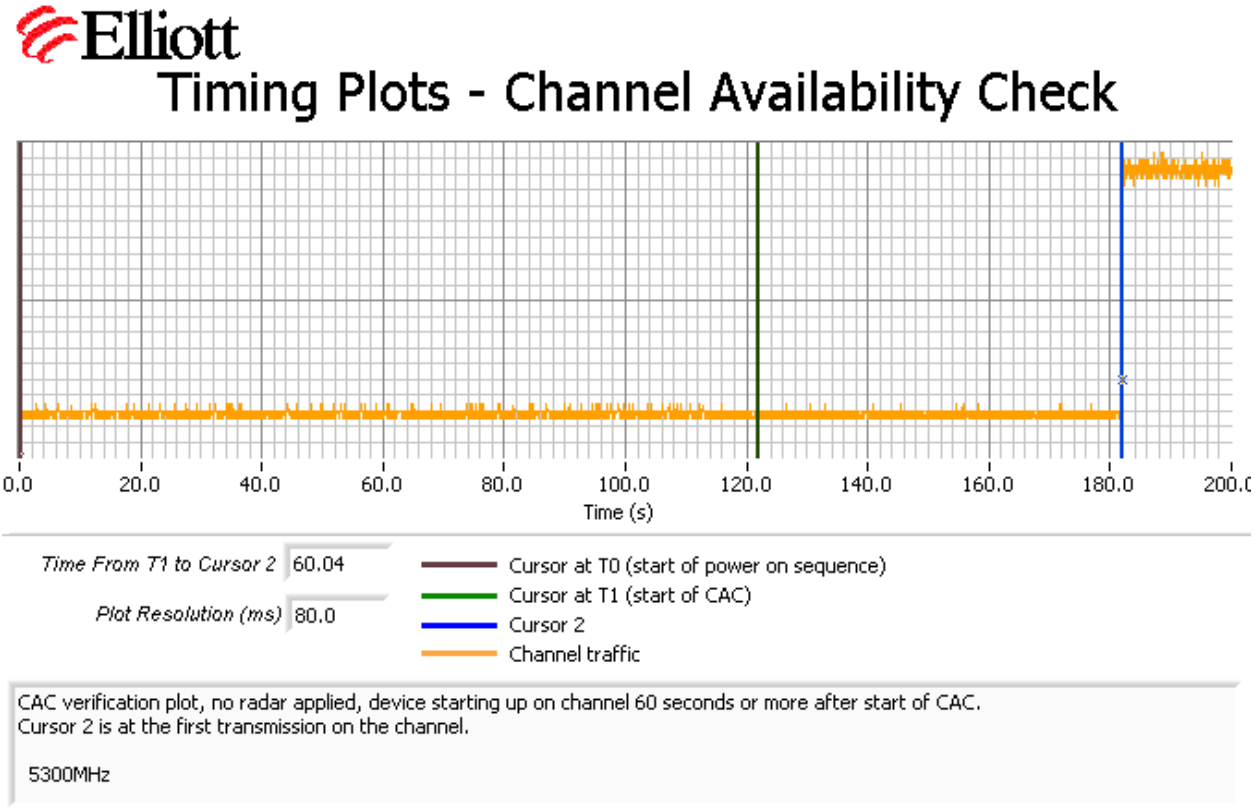


Figure 11 Plot of EUT Start-Up After CAC

The channel availability check (CAC) was made by applying type 1 radar during either the first 6 seconds or last 6 seconds of the CAC period.

The level of the radar signal applied was -64dBm. Measurements were made on channel 60 (5300 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.

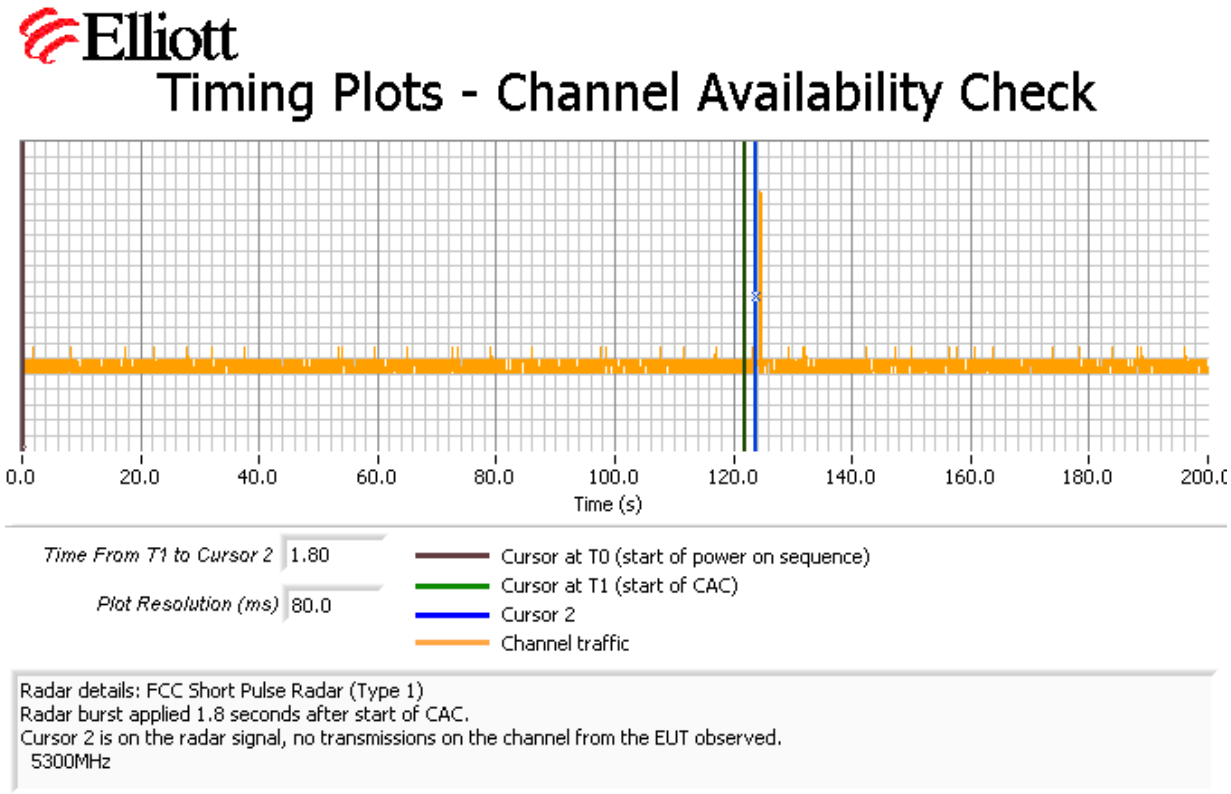


Figure 12 Radar Applied At Start of CAC

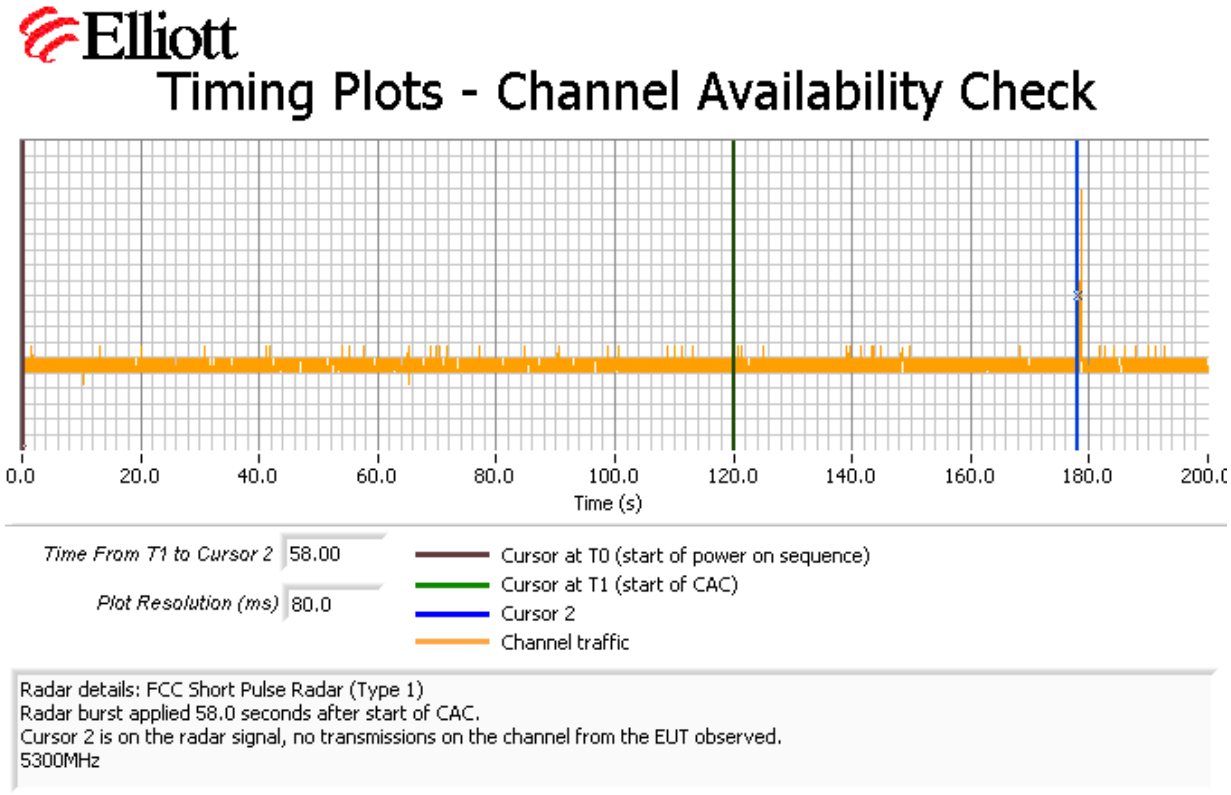


Figure 13 Radar Applied At End of CAC

Appendix E Antenna Specification Sheet

BASE STATION OMNIDIRECTIONAL ANTENNA
Omnidirectional Antenna

MHO495905NF & NM Omnidirectional Antenna **(left)**; Connector Views **(right)**

PCTEL

Technical Data

General Specifications: Omnidirectional Base Station Antenna
Maximum Input Power: 25 watts
Radome Material UV Stable Plastic
Nominal Impedance: 50 Ohms
Polarization: Vertical Linear
Termination: Type N Female & N Male

White PCTEL High Performance Omnidirectional Antenna

The MHO495907 is a high performance low profile base station antenna in a rugged housing. This antenna series is designed to cover broadband frequencies from 4.94GHz to 5.875GHz for Wi-Fi and WiMax applications.

Features

- Slender rugged housing
- Innovative vented design with aerated cap and base drain system
- White UV resistant radome. Protects the antenna from environmental factors

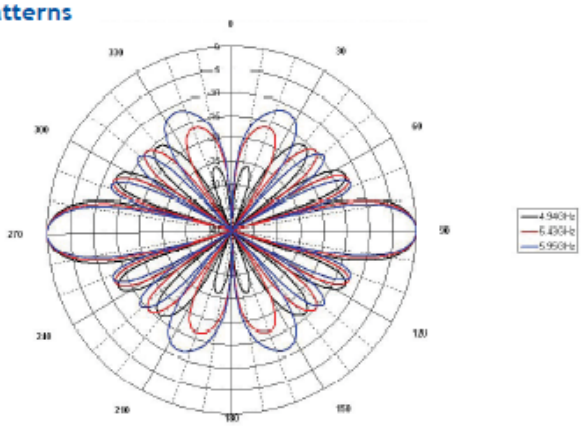
Electrical Specifications

Model	Frequency Range	Nominal Gain	H-plane Beamwidth	E-plane Beamwidth	VSWR
MHO495907NF	4.94-5.875GHz	7 dBi	360° (omni)	12°	< 2.0
MHO495907NM	4.94-5.875GHz	7 dBi	360° (omni)	12°	< 2.0

Mechanical Specifications

Model	Wind Survival	Equivalent Flat Plane Area	Lateral Thrust @ Rated Wind	Bending Moment @ Rated Wind	Height*	Weight
MHO495907NF	125 mph	0.04 ft²	3.1 lbs.	1.1 ft-lbs.	10.2"	0.3 lbs (.14 kg)
MHO495907NM	125 mph	0.04 ft²	3.1 lbs.	1.1 ft-lbs.	10.2"	0.3 lbs (.14 kg)

Radiation Patterns



Simulated Elevation Plane

PCTEL, Inc. WEB: antenna.com

NON CELLULAR DIRECTIONAL BASE STATION ANTENNAS

MPRC Prime Focus Parabolic Reflector Antennas

4.9 to 6.0 GHz Wideband Parabolic Reflector Antenna Series with Radome

The MPRC prime focus parabolic reflector antenna series suppresses extraneous sidelobe and cross-polarized energy. These antennas feature a micro fine elevation and azimuth adjustment kit. The MPRC series is provided with a radome as a standard feature.

Features

- Availability in two and three foot diameter sizes
- Radome comes standard and installed
- Rear mounted feed - radome never has to be removed
- Linear, continuous polarization adjustment
- Fine adjustment mechanism for elevation and azimuth
- Assembled and attached offset mount allows easy access to connector
- Double saddle mounting brackets will accommodate pipe attachments ranging from 1.625" to 4.5" OD
- Robust mounting structure. Three point mount attachment improves stability and prevents reflector distortion and mechanical oscillation
- 2 foot versions are UPS shippable

MAXRAD

Technical Data

General Specifications: Prime Focus Parabolic Reflector Antenna
Maximum Power: 5 watts
Nominal Impedance: 50 ohms
SWR/return loss: < 1.5 / >13.9 dB
Polarization: Linear, continuously adjustable
Front-to-back Ratio: 36 dB (MPRC2449) 43 dB (MPRC3649)
Interface Connector: Type N female
Mount Interface: Accommodates 1.625" to 4.5" pipe OD

For detailed specifications,
visit http://antenna.pctel.com.

Antenna Electrical Specifications

Model	Frequency Range	Nominal Gain (+/- 0.5 dB at mid band)	3 dB Beamwidth, Nominal
MPRC2449	4.9 - 6.0 GHz	27.7 dBi at 4.9 GHz 28.5 dBi at 5.25 GHz 29.0 dBi at 5.8 GHz	6°
MPRC3649	4.9 - 6.0 GHz	30.4 dBi at 4.9 GHz 31.2 dBi at 5.25 GHz 32.0 dBi at 5.8 GHz	4°

Mechanical Specifications

Model	Wind Survival with 1/2" of radial ice	Temperature Range	Diameter
MPRC2449	125 mph	40°C to +80°C	26" (66 cm)
MPRC3649	125 mph	40°C to +80°C	36" (91 cm)

PCTEL Broadband Technology Group WEB: www.antenna.pctel.com

Appendix F Test Configuration Photographs