

TEST REPORT

*Covering the
DYNAMIC FREQUENCY SELECTION (DFS)
REQUIREMENTS
OF
FCC Part 15 Subpart E (UNII), RSS-210 Annex 9*

*Xirrus, Inc.
Model(s): XR2000H*

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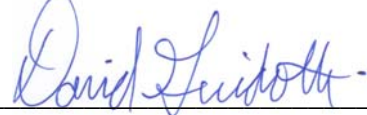
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REVISION HISTORY

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SCOPE

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

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

Tests were performed in accordance with these standards together with the current published versions of the basic standards referenced therein as outlined in National Technical Systems – Silicon Valley test procedures. The test results recorded herein are based on a single type test of the Xirrus, Inc. model XR2000H and therefore apply only to the tested sample. The sample was selected and prepared by Pete Krebill of Xirrus, 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.

Due to the similarity to previous models using the XI-N300 radio modules, testing in this report was limited to In-Service Monitoring threshold trials with all radios active. Requirements for Channel Availability, Channel Close and Move Time, Detection Bandwidth and Non-Occupancy verification are considered compliant by similarity to the previously approved XR4000 documented in Elliott report number R83908. In R83908 the XI-N450 3x3 and XI-N300 2x2 modules were tested with the difference being chassis and number of modules installed.

STATEMENT OF COMPLIANCE

The tested sample of the Xirrus, Inc. model XR2000H complied with the DFS requirements of FCC Part 15.407(h)(2) RSS-210 Annex A9.3.

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

DEVIATIONS FROM THE STANDARD

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

TEST RESULTS**TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE – XI-N300 2x2, 40MHz**

Table 1 - FCC Part 15 Subpart E Master Device Test Result Summary						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	Compliant by similarity, see Elliott report R83908				
CAC Detection Threshold	Type 1					
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5510 MHz	-64 dBm (note 2)	-64dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Compliant by similarity, see Elliott report R83908				
Channel closing transmission time	Type 1 Type 5					
Channel move time	Type 1 Type 5					
Non-occupancy period	-					
Uniform Loading						
1) Tests were performed using the radiated test method. 2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 0 dBi. The limit is based on an eirp of more than 23 dBm. 3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.						

TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE – XI-N300 2x2, 20MHz

Table 2 - FCC Part 15 Subpart E Master Device Test Result Summary						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	Compliant by similarity, see Elliott report R83908				
CAC Detection Threshold	Type 1					
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5500 MHz	-64 dBm (note 2)	-64dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Compliant by similarity, see Elliott report R83908				
Channel closing transmission time	Type 1 Type 5					
Channel move time	Type 1 Type 5					
Non-occupancy period	-					
Uniform Loading						
<p>4) Tests were performed using the radiated test method.</p> <p>5) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 0 dBi. The limit is based on an eirp of more than 23 dBm.</p> <p>6) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.</p>						

MEASUREMENT UNCERTAINTIES

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

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

EQUIPMENT UNDER TEST (EUT) DETAILS**GENERAL**

The Xirrus, Inc. model XR2000H is an 802.11abgn wireless access point with XI-N300 802.11abgn modules installed. It can support 4 modules at a time.

The sample was received on October 7, 2013 and tested on October 8, 2013. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
Xirrus, Inc.	XR2000H	Access Point	XR213400EEDA8

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

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

- Master Device 5250-5350 MHz
- Master Device 5470-5725 MHz (excluding 5600-5650 MHz)

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

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	5	5
Highest Antenna Gain (dBi)	12.1	12.1
EIRP Output Power (dBm)	29.8	29.4
* Antenna gain is 5dBi per chain resulting in an effective gain of 8dBi for MIMO modes.		

- Power can exceed 200mW eirp

Channel Protocol

- IP Based

ENCLOSURE

The EUT enclosure measures approximately 29 across by 10 high by 30 deep in centimeters. It is primarily constructed of metal.

ANTENNA SYSTEM

There are four antenna options:

Air802 Model ANRD245X05-RTP Dipole (2.4 GHz and 5 GHz), 5 dBi.

Laird Technologies Model RD2458-5-RTNC, 3dBi (2.4 GHz), 5dBi (5 GHz)

Eahison Communication Co., Ltd, model EHS1GA202A, four element (two vertical (2.4 GHz and 5 GHz) / two horizontal (2.4 GHz and 5 GHz), 14dBi.

Eahison Communication Co., Ltd, model EHS1GA047A, four element (two vertical (2.4 GHz and 5 GHz) / two horizontal (2.4 GHz and 5 GHz), 8dBi.

Note - the Eahison antennas will be used with RF cabling. Minimum cable loss is 1.9dB for 2.4 GHz, and 2.8 dB for 5.3 GHz, 2.9 dB for 5.6 GHz and 3 dB for 5.8 GHz.

Testing was performed using the Model ANRD245X05-RTP Dipole, 5 dBi.

The antenna connects to the EUT via a non-standard reverse polarity TNC antenna connector, thereby meeting the requirements of FCC 15.203.

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
IBM	R51	Laptop (server)	99-MZ519	DoC
<i>Lenovo</i>	<i>T60</i>	<i>Laptop (client)</i>	<i>L3-CR350</i>	<i>DoC</i>
Xirrus	POE-75U-1UP-N-X	Single Port Injector	P94607585A1	-
Linksys	SR2016	Network switch	REL30H300 886 GGB1707 MM	DoC

The italicized device was the client device.

EUT INTERFACE PORTS

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

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length (m)
Gigabit POE	Single Port Injector Out	Cat 5	Unshielded	15
Console	Laptop (Server)	Cat 5	Unshielded	15
Gigabit2	Not cabled	-	-	-
Single port Injector In	Switch	Cat 5	Unshielded	2
Switch	Laptop (Server)	Cat 5	Unshielded	2

EUT OPERATION

The EUT was operating with the following software. The DFS functions are built into the software with no means for a user to disable DFS functionality.

Master Device: XS-6.6.0

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.

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.

As the XR2000H supports multiple radio modules, one radio module was configured to associate with the client device and stream the movie file. This module was observed for DFS operation. The additional radio modules were configured to be enabled, non-associated on random channels.

The EUT radios were configured as follows during testing:

40MHz 2x2 Mode – Highlighted radio indicates which radio was associated with the client device and streaming the FCC movie file.

DFS Test Channel List						
IAP	State		Channel		WiFi Mode	Antenna
iap1	up		100	104	n40	internal directional
iap2	up		36	40	n40	internal directional
iap3	up		60	default	n40	internal directional
iap4	up		140	default	n40	internal directional

n20 mode – Highlighted radio indicates which radio was associated with the client device and streaming the FCC movie file.

DFS Test Channel List						
IAP	State		Channel		WiFi Mode	Antenna
iap1	up		100	default	n20	internal directional
iap2	up		36	40	n20	internal directional
iap3	up		60	default	n20	internal directional
iap4	up		140	default	n20	internal directional

RADAR WAVEFORMS

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

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

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

DFS TEST METHODS**RADIATED TEST METHOD**

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

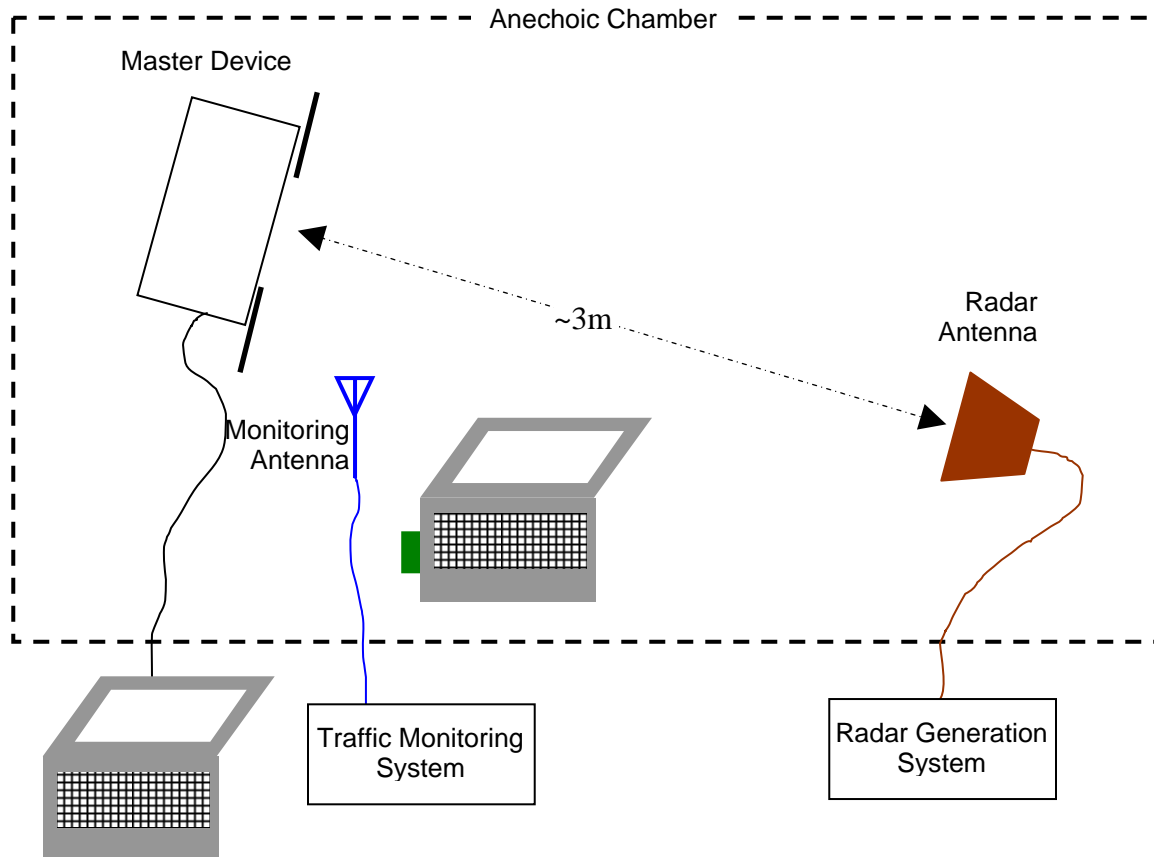


Figure 1 Test Configuration For Radiated Measurement Method

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

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

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

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

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

DFS MEASUREMENT INSTRUMENTATION

RADAR GENERATION SYSTEM

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

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

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

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

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

CHANNEL MONITORING SYSTEM

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

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

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

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

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

DFS MEASUREMENT METHODS

DFS RADAR DETECTION BANDWIDTH

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

DFS – CHANNEL CLOSING TRANSMISSION TIME AND CHANNEL MOVE TIME

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

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

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

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

DFS – CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING

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

DFS CHANNEL AVAILABILITY CHECK TIME

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

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

UNIFORM LOADING

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

TRANSMIT POWER CONTROL (TPC)

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

SAMPLE CALCULATIONS

DETECTION PROBABILITY / SUCCESS RATE

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

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

THRESHOLD LEVEL

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

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

Appendix A Test Equipment Calibration Data

<u>Manufacturer</u>	<u>Description</u>	<u>Model #</u>	<u>Asset #</u>	<u>Cal Due</u>
Hewlett Packard	EMC Spectrum Analyzer, 9 kHz - 6.5 GHz	8595EM	780	07-Mar-14
EMCO	Antenna, Horn, 1-18 GHz	3117	1662	25-May-14
Agilent Technologies	PSG Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	05-Jun-14
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052B	2118	22-Oct-13

Appendix B Test Data Tables for Radar Detection Probability

40MHz bandwidth

Table 6 - Detection Bandwidth Measurements (Bandwidth: +17MHz /-16MHz) 40MHz 2x2					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	0	3	0
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100

Table 6 - Detection Bandwidth Measurements (Bandwidth: +17MHz /-16MHz) 40MHz 2x2					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5510.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5511.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5512.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5513.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5514.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5515.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5516.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5517.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5518.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5519.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5520.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5521.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5522.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5523.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5524.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5525.00 MHz	10	0	100

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5526.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5527.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5528.00 MHz	2	3	40

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)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	100.0 %	60.0 %	30	PASSED
Aggregate of above results	100.0 %	80.0 %	120	PASSED
Long Sequence	90.0 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	34	PASSED

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 08:47:24 AM)
2	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 08:47:35 AM)
3	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 08:47:43 AM)
4	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 08:48:01 AM)
5	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 08:48:09 AM)
6	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:22:31 AM)
7	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:22:41 AM)
8	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:22:49 AM)
9	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:22:58 AM)
10	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:23:05 AM)
11	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:23:13 AM)
12	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:23:20 AM)
13	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:23:27 AM)

Table 8 - FCC Short Pulse Radar (Type 1) Results 40MHz 2x2

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
14	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:23:34 AM)
15	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:23:41 AM)
16	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:23:48 AM)
17	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:23:56 AM)
18	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:24:04 AM)
19	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:24:11 AM)
20	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:24:18 AM)
21	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:24:26 AM)
22	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:24:33 AM)
23	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:24:40 AM)
24	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:24:48 AM)
25	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:24:59 AM)
26	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:25:08 AM)
27	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:25:16 AM)
28	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:25:24 AM)
29	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:25:33 AM)
30	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:25:44 AM)

Table 9 - FCC Short Pulse Radar (Type 2) Results 40MHz 2x2

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	27	3.6	175.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 08:48:34 AM)
2	24	1.3	186.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 08:48:44 AM)
3	28	1.3	221.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 08:48:56 AM)
4	25	1.7	222.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 08:49:10 AM)
5	28	3.8	196.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 08:49:18 AM)
6	25	1.7	170.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:27:24 AM)
7	25	2.6	159.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:27:45 AM)
8	24	3.9	229.0	Yes	5500.0MHz,	Single burst (10/08/2013 09:28:06 AM)

Table 9 - FCC Short Pulse Radar (Type 2) Results 40MHz 2x2

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	AM)
9	25	2.5	222.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:28:16 AM)
10	27	4.0	191.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:28:29 AM)
11	28	4.0	155.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:28:47 AM)
12	23	4.4	182.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:28:56 AM)
13	28	1.7	219.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:29:06 AM)
14	23	4.6	159.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:29:15 AM)
15	24	4.1	208.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:29:24 AM)
16	29	2.4	187.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:29:32 AM)
17	26	4.7	166.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:29:53 AM)
18	26	1.1	224.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:30:01 AM)
19	27	1.5	165.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:30:10 AM)
20	23	1.1	226.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:30:19 AM)
21	27	3.2	186.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:33:10 AM)
22	28	3.4	216.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:33:22 AM)
23	23	1.9	181.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:33:37 AM)
24	26	4.0	184.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:33:47 AM)
25	26	3.7	208.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:33:55 AM)
26	28	1.7	220.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:34:04 AM)
27	28	3.6	201.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:34:13 AM)
28	28	4.7	197.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:34:22 AM)
29	26	3.8	174.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:34:30 AM)
30	28	2.2	183.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:34:44 AM)

Table 10 - FCC Short Pulse Radar (Type 3) Results 40MHz 2x2

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	6.4	324.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 08:49:49 AM)
2	18	7.0	308.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 08:50:06 AM)

Table 10 - FCC Short Pulse Radar (Type 3) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	17	9.0	304.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 08:50:14 AM)
4	17	9.0	457.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 08:50:23 AM)
5	17	6.3	431.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 08:50:44 AM)
6	18	6.1	461.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:35:56 AM)
7	18	6.1	351.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:36:06 AM)
8	17	9.5	351.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:36:14 AM)
9	16	6.2	405.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:36:21 AM)
10	18	9.1	262.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:36:31 AM)
11	16	8.7	265.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:36:54 AM)
12	17	8.7	350.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:37:03 AM)
13	16	8.6	309.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:37:19 AM)
14	16	6.9	201.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:37:26 AM)
15	17	8.8	350.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:37:34 AM)
16	16	7.1	499.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:37:50 AM)
17	16	7.8	338.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:38:05 AM)
18	17	8.4	409.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:38:17 AM)
19	16	7.3	356.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:38:26 AM)
20	18	8.8	389.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:38:33 AM)
21	16	9.4	433.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:38:41 AM)
22	16	9.4	314.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:38:50 AM)
23	17	7.4	245.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:39:01 AM)
24	18	6.2	242.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:39:10 AM)
25	17	8.0	306.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:39:53 AM)
26	17	9.0	364.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:40:02 AM)
27	18	7.0	252.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:40:11 AM)
28	17	7.9	204.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:40:21 AM)
29	17	8.5	271.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:40:41 AM)

Table 10 - FCC Short Pulse Radar (Type 3) Results 40MHz 2x2

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
30	18	9.8	418.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:40:54 AM)

Table 11 - FCC Short Pulse Radar (Type 4) Results 40MHz 2x2

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	15	17.8	406.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 08:52:43 AM)
2	12	12.8	381.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 08:52:53 AM)
3	15	14.9	357.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 08:53:04 AM)
4	12	11.1	367.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 08:53:13 AM)
5	16	13.0	371.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 08:53:35 AM)
6	15	11.8	370.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:42:10 AM)
7	16	11.8	307.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:42:21 AM)
8	12	15.6	261.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:42:29 AM)
9	14	18.6	299.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:42:36 AM)
10	15	18.4	216.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:42:47 AM)
11	14	17.4	333.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:42:56 AM)
12	14	15.0	212.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:43:06 AM)
13	14	13.3	369.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:43:18 AM)
14	15	17.6	479.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:43:25 AM)
15	14	16.8	348.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:43:33 AM)
16	14	18.0	426.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:43:41 AM)
17	15	11.5	266.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:43:50 AM)
18	16	16.1	214.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:43:58 AM)
19	14	17.1	388.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:44:05 AM)
20	14	19.1	272.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:44:14 AM)
21	12	17.4	268.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:44:24 AM)
22	14	19.5	200.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:44:32 AM)
23	12	11.6	233.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:44:42 AM)
24	14	11.1	306.0	Yes	5520.0MHz,	Single burst (10/08/2013 09:44:51 AM)

Table 11 - FCC Short Pulse Radar (Type 4) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	AM)
25	13	14.0	217.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:46:21 AM)
26	14	16.0	419.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 09:46:33 AM)
27	13	17.6	385.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 09:46:44 AM)
28	12	17.7	428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 09:46:54 AM)
29	14	15.9	324.0	Yes	5520.0MHz, -64.0dBm	Single burst (10/08/2013 09:47:02 AM)
30	15	13.7	464.0	Yes	5515.0MHz, -64.0dBm	Single burst (10/08/2013 09:47:10 AM)

Table 12 - Long Sequence Waveform Summary 40MHz 2x2		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5510.0MHz, -64.0dBm
Trial #2	NOT Detected	5505.0MHz, -64.0dBm
Trial #3	Detected	5500.0MHz, -64.0dBm
Trial #4	Detected	5520.0MHz, -64.0dBm
Trial #5	Detected	5515.0MHz, -64.0dBm
Trial #6	Detected	5510.0MHz, -64.0dBm
Trial #7	Detected	5505.0MHz, -64.0dBm
Trial #8	Detected	5500.0MHz, -64.0dBm
Trial #9	Detected	5520.0MHz, -64.0dBm
Trial #10	Detected	5515.0MHz, -64.0dBm
Trial #11	Detected	5510.0MHz, -64.0dBm
Trial #12	Detected	5505.0MHz, -64.0dBm
Trial #13	Detected	5500.0MHz, -64.0dBm
Trial #14	Detected	5520.0MHz, -64.0dBm
Trial #15	Detected	5515.0MHz, -64.0dBm
Trial #16	Detected	5510.0MHz, -64.0dBm
Trial #17	Detected	5505.0MHz, -64.0dBm
Trial #18	Detected	5500.0MHz, -64.0dBm

Table 12 - Long Sequence Waveform Summary 40MHz 2x2		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #19	Detected	5520.0MHz, -64.0dBm
Trial #20	Detected	5515.0MHz, -64.0dBm
Trial #21	Detected	5510.0MHz, -64.0dBm
Trial #22	Detected	5505.0MHz, -64.0dBm
Trial #23	Detected	5500.0MHz, -64.0dBm
Trial #24	Detected	5520.0MHz, -64.0dBm
Trial #25	Detected	5515.0MHz, -64.0dBm
Trial #26	NOT Detected	5510.0MHz, -64.0dBm
Trial #27	Detected	5505.0MHz, -64.0dBm
Trial #28	Detected	5500.0MHz, -64.0dBm
Trial #29	Detected	5520.0MHz, -64.0dBm
Trial #30	NOT Detected	5515.0MHz, -64.0dBm

Table 13 - Long Sequence Waveform Trial#1 (Detected) 40MHz 2x2						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	91.5	12	1357.0	-	0.382708
2	2	88.0	12	1077.0	-	0.740844
3	2	59.8	12	1617.0	-	1.317437
4	2	52.8	16	1953.0	-	2.156403
5	3	59.7	12	1769.0	1909.0	2.607073
6	1	75.5	8	-	-	3.734225
7	2	86.5	20	1869.0	-	4.066039
8	2	51.9	13	1819.0	-	4.661721
9	2	80.3	16	1067.0	-	5.455485
10	2	51.1	16	1544.0	-	5.938208
11	1	89.6	12	-	-	6.912566
12	3	59.0	10	1422.0	1589.0	7.289678
13	1	73.6	6	-	-	8.090325
14	1	61.7	19	-	-	8.467883
15	1	78.1	19	-	-	9.413481
16	1	56.6	13	-	-	9.474843
17	1	61.3	8	-	-	10.304692
18	1	64.2	18	-	-	11.027346
19	1	84.8	11	-	-	11.542377

Table 14 - Long Sequence Waveform Trial#2 (NOT Detected) 40MHz 2x2						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	98.0	7	1098.0	-	0.965578

Table 14 - Long Sequence Waveform Trial#2 (NOT Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
2	2	52.8	6	1362.0	-	1.562095
3	1	87.5	18	-	-	2.144254
4	1	91.9	8	-	-	3.699639
5	1	58.7	12	-	-	4.008834
6	1	56.2	18	-	-	5.727099
7	2	57.7	14	1708.0	-	6.097884
8	3	82.7	19	1853.0	1692.0	7.701576
9	2	97.8	15	1688.0	-	8.567155
10	1	94.5	17	-	-	9.608753
11	2	86.6	8	1728.0	-	10.910029
12	2	62.2	8	1336.0	-	11.096988

Table 15 - Long Sequence Waveform Trial#3 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	80.0	14	1813.0	-	0.047397
2	2	87.7	16	1744.0	-	1.022685
3	2	76.2	16	1678.0	-	1.558835
4	1	63.8	6	-	-	2.337625
5	2	71.4	13	1631.0	-	3.122058
6	2	87.1	11	1024.0	-	3.837668
7	2	95.6	19	1488.0	-	4.363851
8	3	96.7	11	1770.0	1396.0	4.961023
9	3	98.0	12	1407.0	1716.0	6.315843
10	1	96.1	16	-	-	6.360061
11	1	67.4	9	-	-	7.607349
12	1	58.3	9	-	-	8.398742
13	2	66.1	17	1754.0	-	8.885745
14	2	94.2	19	1073.0	-	9.760945
15	2	80.5	14	1245.0	-	9.992934
16	1	97.6	12	-	-	11.254288
17	1	98.5	19	-	-	11.776386

Table 16 - Long Sequence Waveform Trial#4 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	99.7	8	1232.0	1178.0	0.711888
2	3	79.7	9	1368.0	1105.0	2.046371
3	2	52.2	11	1419.0	-	2.603768
4	2	84.9	13	1878.0	-	4.459122
5	1	80.8	12	-	-	5.967951
6	2	71.4	7	1069.0	-	6.308569
7	1	59.2	13	-	-	7.253193
8	3	59.8	14	1340.0	1425.0	8.812876
9	2	92.3	14	1655.0	-	10.731888
10	2	69.6	10	1307.0	-	11.003970

Table 17 - Long Sequence Waveform Trial#5 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	59.7	9	-	-	0.490671
2	1	62.0	11	-	-	0.663565
3	3	58.5	8	1553.0	1767.0	1.229700
4	2	62.0	11	1469.0	-	2.171415
5	1	73.9	7	-	-	2.501997
6	3	55.2	10	1162.0	1876.0	3.534385
7	2	95.3	10	1687.0	-	4.061985
8	2	54.1	14	1537.0	-	4.324896
9	1	77.7	12	-	-	5.016175
10	3	63.2	17	1265.0	1780.0	5.539117
11	3	53.1	15	1322.0	1080.0	6.009672
12	1	58.1	15	-	-	6.619055
13	2	59.8	10	1994.0	-	7.546710
14	2	93.9	13	1209.0	-	8.182538
15	2	86.4	14	1947.0	-	8.947786
16	2	90.4	14	1957.0	-	9.539732
17	1	90.7	19	-	-	9.706489
18	2	92.9	7	1835.0	-	10.565050
19	1	89.3	6	-	-	11.246733
20	1	70.0	17	-	-	11.697978

Table 18 - Long Sequence Waveform Trial#6 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	90.6	6	1639.0	1231.0	0.756285
2	1	74.1	13	-	-	1.400087
3	1	86.5	12	-	-	2.370752
4	3	92.3	13	1326.0	1564.0	3.205737
5	2	67.1	16	1546.0	-	3.848424
6	2	59.5	14	1860.0	-	4.328599
7	2	83.5	14	1765.0	-	5.628126
8	3	63.5	8	1940.0	1312.0	6.095546
9	3	96.8	12	1540.0	1742.0	7.107621
10	1	56.3	9	-	-	8.546028
11	2	58.9	12	1502.0	-	9.156553
12	3	92.1	11	1454.0	1964.0	9.821115
13	3	65.7	7	1476.0	1824.0	10.386423
14	3	75.1	17	1587.0	1264.0	11.367719

Table 19 - Long Sequence Waveform Trial#7 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	57.8	8	1447.0	1277.0	0.143503
2	1	88.4	12	-	-	1.510645
3	3	61.4	9	1036.0	1602.0	1.808452
4	2	88.7	14	1744.0	-	2.560142
5	2	94.9	8	1557.0	-	3.376682
6	2	66.6	19	1303.0	-	4.339580
7	3	79.3	15	1385.0	1056.0	4.897329
8	3	92.6	19	1645.0	1989.0	5.643900
9	2	63.5	19	1567.0	-	6.931665
10	1	52.6	7	-	-	7.300428

Table 19 - Long Sequence Waveform Trial#7 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
11	2	67.5	12	1381.0	-	8.749139
12	1	71.0	19	-	-	8.845684
13	3	75.3	9	1761.0	1687.0	10.174703
14	2	98.7	6	1419.0	-	10.506712
15	2	97.8	9	1035.0	-	11.956255

Table 20 - Long Sequence Waveform Trial#8 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	95.9	9	1504.0	-	0.293805
2	2	87.6	11	1653.0	-	1.788540
3	2	81.5	17	1854.0	-	3.250159
4	3	96.1	17	1788.0	1734.0	4.225182
5	3	70.5	8	1641.0	1648.0	5.284414
6	2	88.0	10	1863.0	-	6.350861
7	2	78.1	5	1704.0	-	7.296015
8	1	88.3	8	-	-	8.335428
9	2	71.5	11	1999.0	-	9.054425
10	2	53.4	10	1419.0	-	10.153874
11	2	80.3	14	1144.0	-	11.489442

Table 21 - Long Sequence Waveform Trial#9 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	99.5	11	1774.0	-	0.063525
2	2	91.5	8	1562.0	-	0.831705
3	2	84.1	17	1784.0	-	1.900028
4	1	56.1	8	-	-	2.564502
5	2	54.2	10	1845.0	-	3.246433
6	2	72.1	14	1724.0	-	4.437289
7	2	56.9	6	1832.0	-	4.845932
8	1	71.4	6	-	-	5.789070
9	3	68.6	8	1480.0	1072.0	6.725342
10	2	59.8	7	1261.0	-	6.822413
11	1	93.8	9	-	-	8.077219
12	3	61.2	13	1006.0	1141.0	8.434879
13	2	90.6	6	1614.0	-	9.418486
14	2	88.1	11	1935.0	-	9.942875
15	3	52.9	17	1431.0	1283.0	11.009407
16	1	91.9	14	-	-	11.443202

Table 22 - Long Sequence Waveform Trial#10 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	81.5	12	1794.0	-	0.968549
2	2	59.0	16	1867.0	-	1.437531
3	3	58.1	13	1780.0	1068.0	3.838393
4	3	69.4	18	1103.0	1796.0	4.868194
5	2	67.7	9	1475.0	-	5.983122

Table 22 - Long Sequence Waveform Trial#10 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
6	2	56.8	19	1381.0	-	7.463295
7	2	55.6	20	1233.0	-	8.828298
8	1	83.3	6	-	-	9.700812
9	2	62.1	12	1353.0	-	11.780178

Table 23 - Long Sequence Waveform Trial#11 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	97.5	20	-	-	0.329524
2	1	77.8	20	-	-	1.305705
3	1	83.8	5	-	-	1.997381
4	2	81.8	8	1851.0	-	2.791821
5	2	90.2	14	1919.0	-	3.411291
6	2	56.9	14	1399.0	-	4.426218
7	1	51.9	5	-	-	5.024969
8	3	63.9	10	1609.0	1738.0	6.155465
9	3	64.8	10	1809.0	1306.0	6.606931
10	2	75.3	12	1492.0	-	7.364529
11	2	84.6	7	1683.0	-	8.737083
12	3	60.9	19	1279.0	1524.0	9.299637
13	1	79.7	10	-	-	10.070320
14	1	82.4	6	-	-	10.586690
15	2	83.0	10	1678.0	-	11.969699

Table 24 - Long Sequence Waveform Trial#12 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	60.4	8	-	-	0.634954
2	2	61.8	19	1789.0	-	1.407245
3	2	57.0	14	1555.0	-	1.707941
4	2	69.9	13	1594.0	-	2.431241
5	2	65.9	8	1309.0	-	3.193185
6	1	55.6	20	-	-	3.852516
7	3	72.4	13	1518.0	1410.0	4.749658
8	1	58.5	17	-	-	5.455128
9	1	82.6	5	-	-	6.227030
10	2	51.2	18	1007.0	-	6.681107
11	3	84.5	9	1214.0	1686.0	7.712933
12	2	97.3	5	1890.0	-	7.896091
13	1	57.3	15	-	-	8.572171
14	2	95.5	12	1044.0	-	9.224254
15	2	74.5	7	1708.0	-	10.435063
16	2	88.9	19	1989.0	-	11.276213
17	2	95.0	20	1378.0	-	11.438798

Table 25 - Long Sequence Waveform Trial#13 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	58.9	19	1073.0	1498.0	0.942418

Table 25 - Long Sequence Waveform Trial#13 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
2	2	95.8	11	1062.0	-	1.744164
3	1	66.1	8	-	-	2.680803
4	2	57.3	16	1031.0	-	3.976419
5	1	60.4	18	-	-	4.870673
6	2	77.5	17	1852.0	-	5.714972
7	2	86.1	14	1667.0	-	6.756506
8	3	78.5	20	1015.0	1170.0	8.019094
9	1	69.1	19	-	-	9.496730
10	2	54.0	19	1929.0	-	10.240598
11	1	69.7	15	-	-	11.616225

Table 26 - Long Sequence Waveform Trial#14 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	73.8	11	-	-	0.422580
2	3	71.6	15	1562.0	1392.0	0.894197
3	3	84.5	6	1771.0	1049.0	2.558283
4	3	68.1	15	1046.0	1630.0	2.780091
5	2	89.2	20	1247.0	-	3.693772
6	2	98.1	16	1971.0	-	5.065520
7	1	88.6	9	-	-	5.437120
8	3	90.9	7	1859.0	1611.0	6.579214
9	2	82.2	13	1349.0	-	7.206004
10	2	93.9	6	1283.0	-	7.830011
11	2	64.5	7	1267.0	-	8.849012
12	3	80.5	19	1519.0	1338.0	10.177950
13	1	60.2	8	-	-	10.795273
14	2	94.9	17	1649.0	-	11.629559

Table 27 - Long Sequence Waveform Trial#15 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	65.6	18	1183.0	1561.0	1.176499
2	3	59.9	16	1727.0	1409.0	1.654242
3	2	53.0	11	1311.0	-	3.407613
4	1	61.8	5	-	-	3.841743
5	3	58.6	11	1290.0	1290.0	5.901526
6	2	76.9	11	1868.0	-	6.067778
7	3	71.1	17	1556.0	1048.0	7.728144
8	3	59.0	6	1889.0	1895.0	8.618004
9	2	62.4	16	1366.0	-	10.449802
10	2	79.7	17	1891.0	-	10.990891

Table 28 - Long Sequence Waveform Trial#16 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	65.7	8	-	-	0.733815
2	3	75.8	18	1360.0	1738.0	1.046130
3	1	96.9	12	-	-	2.090591

Table 28 - Long Sequence Waveform Trial#16 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
4	2	55.6	16	1981.0	-	3.087181
5	3	66.9	20	1335.0	1520.0	3.572456
6	2	59.9	20	1978.0	-	4.274539
7	2	56.8	19	1335.0	-	5.227688
8	1	93.4	20	-	-	5.950459
9	2	81.9	18	1071.0	-	7.021178
10	2	64.2	17	1838.0	-	7.233297
11	1	59.7	6	-	-	8.531428
12	3	67.5	19	1387.0	1348.0	8.878904
13	2	70.6	8	1177.0	-	10.281723
14	2	95.4	19	1631.0	-	11.094358
15	1	56.9	5	-	-	11.281946

Table 29 - Long Sequence Waveform Trial#17 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	54.1	19	1064.0	-	0.506151
2	2	73.9	17	1265.0	-	1.388368
3	2	97.2	11	1178.0	-	1.887930
4	2	81.2	19	1777.0	-	2.828135
5	3	53.8	7	1161.0	1310.0	3.476381
6	2	87.3	14	1887.0	-	4.474215
7	1	74.9	14	-	-	4.500072
8	1	55.8	13	-	-	5.991630
9	2	83.9	16	1999.0	-	6.043516
10	2	87.3	13	1647.0	-	7.232602
11	1	81.8	14	-	-	7.876845
12	2	85.8	9	1131.0	-	8.807089
13	2	52.2	13	1522.0	-	9.602103
14	3	72.1	6	1439.0	1579.0	10.130505
15	2	82.1	15	1601.0	-	10.958666
16	1	77.2	9	-	-	11.320104

Table 30 - Long Sequence Waveform Trial#18 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	89.4	8	-	-	0.388969
2	1	86.9	10	-	-	1.098959
3	1	84.8	14	-	-	2.253873
4	3	57.0	12	1266.0	1957.0	3.304783
5	2	87.3	6	1152.0	-	4.039296
6	1	55.4	9	-	-	4.855930
7	1	72.1	17	-	-	5.283004
8	1	59.9	6	-	-	6.159458
9	2	85.6	19	1755.0	-	7.092844
10	2	59.1	16	1680.0	-	7.925431
11	3	67.6	15	1359.0	1151.0	8.847647
12	1	86.9	10	-	-	10.046785
13	2	81.7	14	1472.0	-	10.650907
14	1	68.9	15	-	-	11.402938

Table 31 - Long Sequence Waveform Trial#19 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	74.7	7	-	-	0.653240
2	2	54.3	8	1392.0	-	0.816765
3	3	80.9	19	1394.0	1858.0	1.668456
4	2	74.6	15	1412.0	-	2.540808
5	3	84.9	9	1778.0	1272.0	3.129903
6	2	84.0	14	1698.0	-	4.162397
7	2	59.3	6	1745.0	-	4.867324
8	3	87.3	9	1597.0	1870.0	5.338728
9	2	89.1	7	1765.0	-	6.063439
10	2	98.6	18	1035.0	-	7.192943
11	2	86.5	10	1196.0	-	7.564925
12	2	86.8	16	1857.0	-	8.259338
13	2	53.8	16	1326.0	-	9.091806
14	1	86.7	17	-	-	9.824015
15	3	89.9	19	1001.0	1730.0	11.245952
16	2	98.4	20	1186.0	-	11.794647

Table 32 - Long Sequence Waveform Trial#20 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	74.4	14	1980.0	1211.0	0.263810
2	2	56.3	20	1526.0	-	0.871156
3	2	97.7	12	1140.0	-	1.983291
4	3	50.9	12	1946.0	1483.0	2.508867
5	2	54.3	14	1081.0	-	2.831690
6	2	54.3	16	1385.0	-	3.771967
7	1	74.8	11	-	-	4.114933
8	2	52.6	8	1415.0	-	5.288821
9	3	78.4	7	1607.0	1774.0	5.559026
10	2	80.2	11	1143.0	-	6.432973
11	1	54.7	13	-	-	7.272483
12	2	94.5	8	1894.0	-	7.764997
13	3	89.4	15	1048.0	1879.0	8.234063
14	2	59.6	17	1656.0	-	9.154124
15	2	60.1	16	1653.0	-	9.434837
16	1	52.4	6	-	-	10.165221
17	2	95.8	5	1749.0	-	11.269690
18	3	64.9	18	1403.0	1018.0	11.977047

Table 33 - Long Sequence Waveform Trial#21 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	82.0	5	1110.0	-	0.449865
2	1	76.1	18	-	-	1.647318
3	1	54.5	11	-	-	3.102991
4	3	83.5	7	1419.0	1590.0	4.265551
5	2	81.9	13	1778.0	-	4.632247
6	1	68.9	15	-	-	5.911826
7	2	84.9	9	1350.0	-	7.354489

Table 33 - Long Sequence Waveform Trial#21 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	2	55.5	19	1946.0	-	7.989272
9	1	83.7	10	-	-	8.953811
10	2	79.2	13	1703.0	-	10.221911
11	2	78.7	19	1147.0	-	11.029403

Table 34 - Long Sequence Waveform Trial#22 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	75.7	5	-	-	0.062734
2	2	84.4	7	1350.0	-	1.267839
3	2	63.0	14	1328.0	-	2.117203
4	2	69.4	11	1071.0	-	2.818502
5	2	86.8	16	1803.0	-	3.518801
6	3	67.6	15	1338.0	1049.0	3.918299
7	3	67.8	11	1340.0	1465.0	5.128224
8	2	92.2	6	1538.0	-	5.839620
9	2	79.3	7	1065.0	-	6.320359
10	3	72.2	5	1551.0	1860.0	6.870222
11	1	87.8	15	-	-	7.588989
12	3	68.5	6	1570.0	1239.0	8.861717
13	2	80.6	8	1581.0	-	9.634417
14	3	62.2	15	1745.0	1809.0	10.054290
15	2	89.0	11	1408.0	-	10.731446
16	2	83.2	14	1851.0	-	11.964305

Table 35 - Long Sequence Waveform Trial#23 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	73.3	19	1069.0	-	0.699614
2	3	74.5	18	1943.0	1553.0	1.325083
3	2	80.4	7	1157.0	-	1.507976
4	1	91.3	10	-	-	2.776596
5	3	63.3	6	1414.0	1870.0	3.135334
6	2	65.2	11	1812.0	-	4.032932
7	2	99.6	15	1515.0	-	4.687118
8	3	50.4	9	1672.0	1083.0	5.490981
9	2	89.8	6	1474.0	-	5.734715
10	1	64.3	15	-	-	6.685459
11	1	75.3	20	-	-	7.189246
12	3	60.1	9	1390.0	1972.0	8.411874
13	2	68.5	10	1861.0	-	9.126719
14	2	67.5	18	1847.0	-	9.589216
15	2	93.9	14	1172.0	-	10.331928
16	3	59.5	16	1148.0	1521.0	10.699784
17	3	81.9	5	1501.0	1360.0	11.655465

Table 36 - Long Sequence Waveform Trial#24 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
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Table 36 - Long Sequence Waveform Trial#24 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	68.8	12	1770.0	1974.0	0.294101
2	2	60.6	12	1714.0	-	0.929556
3	1	50.2	12	-	-	1.467400
4	2	87.2	17	1244.0	-	2.308912
5	2	54.8	17	1447.0	-	3.001920
6	2	54.1	8	1415.0	-	3.451761
7	2	91.7	7	1544.0	-	4.058134
8	2	70.3	13	1220.0	-	4.746689
9	3	53.8	8	1177.0	1857.0	5.254422
10	2	92.2	13	1347.0	-	5.921501
11	2	68.3	20	1885.0	-	6.616306
12	2	66.9	7	1606.0	-	6.999896
13	3	84.8	13	1455.0	1453.0	7.833269
14	2	67.8	5	1065.0	-	8.255736
15	3	70.4	13	1498.0	1563.0	9.096846
16	2	98.7	19	1669.0	-	9.723253
17	3	53.7	10	1948.0	1002.0	10.460712
18	2	95.7	18	1617.0	-	11.251727
19	2	77.3	8	1013.0	-	11.637019

Table 37 - Long Sequence Waveform Trial#25 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	63.4	15	-	-	0.504248
2	3	77.8	6	1617.0	1601.0	1.096806
3	3	71.2	7	1859.0	1037.0	2.028320
4	2	78.5	17	1926.0	-	2.864263
5	3	96.6	15	1962.0	1875.0	3.222991
6	2	60.7	18	1056.0	-	4.491195
7	3	73.7	9	1302.0	1493.0	5.015285
8	2	52.1	19	1528.0	-	5.635276
9	2	66.7	11	1416.0	-	6.011863
10	2	56.2	15	1752.0	-	7.344435
11	2	92.0	14	1776.0	-	8.115048
12	1	58.4	6	-	-	8.544571
13	1	65.4	18	-	-	9.538857
14	2	72.5	10	1842.0	-	10.290859
15	2	89.5	11	1958.0	-	11.215083
16	2	99.9	12	1813.0	-	11.648148

Table 38 - Long Sequence Waveform Trial#26 (NOT Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	92.4	14	1108.0	-	0.703136
2	2	97.1	8	1990.0	-	1.446400
3	1	62.9	19	-	-	2.885912
4	1	75.3	7	-	-	3.226775
5	1	85.9	9	-	-	4.531781
6	1	58.2	12	-	-	5.281326
7	3	59.7	16	1845.0	1679.0	6.246337

Table 38 - Long Sequence Waveform Trial#26 (NOT Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	2	89.9	7	1802.0	-	7.190644
9	2	58.5	12	1522.0	-	8.184658
10	1	50.1	7	-	-	9.349589
11	1	67.4	15	-	-	10.221649
12	2	77.1	17	1026.0	-	11.559917

Table 39 - Long Sequence Waveform Trial#27 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	71.3	17	1311.0	1798.0	0.445030
2	1	77.2	10	-	-	1.381239
3	3	80.7	17	1980.0	1462.0	2.186911
4	3	55.9	17	1026.0	1073.0	2.914432
5	1	60.2	16	-	-	3.010568
6	3	93.2	13	1700.0	1819.0	4.029284
7	2	68.9	8	1514.0	-	5.156460
8	2	84.2	19	1900.0	-	5.785682
9	2	73.1	9	1167.0	-	6.315768
10	3	52.7	17	1416.0	1326.0	7.372524
11	3	75.7	14	1001.0	1916.0	7.835118
12	1	71.0	14	-	-	8.964176
13	2	98.7	16	1683.0	-	9.322027
14	3	59.6	8	1331.0	1858.0	10.322513
15	1	64.9	17	-	-	10.541801
16	1	80.3	19	-	-	11.663911

Table 40 - Long Sequence Waveform Trial#28 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	73.6	15	1200.0	-	0.073313
2	3	56.1	9	1315.0	1472.0	1.141533
3	3	69.5	6	1698.0	1996.0	1.250598
4	1	98.8	8	-	-	2.315645
5	3	99.5	14	1605.0	1706.0	2.786035
6	2	82.2	15	1886.0	-	3.071438
7	3	58.6	11	1827.0	1222.0	3.769174
8	3	53.7	8	1066.0	1776.0	4.795857
9	3	75.3	19	1723.0	1769.0	5.178922
10	1	76.8	9	-	-	5.667655
11	2	79.0	6	1125.0	-	6.243615
12	3	58.8	12	1311.0	1529.0	7.146328
13	1	69.5	6	-	-	7.745662
14	3	50.9	9	1853.0	1320.0	8.142874
15	2	84.5	17	1424.0	-	8.915719
16	1	51.6	12	-	-	9.418298
17	3	97.0	18	1165.0	1771.0	9.607147
18	2	68.2	20	1542.0	-	10.516989
19	2	86.3	19	1673.0	-	11.351819
20	3	81.1	5	1897.0	1960.0	11.776911

Table 41 - Long Sequence Waveform Trial#29 (Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	84.8	7	1384.0	1470.0	0.505781
2	2	60.8	16	1723.0	-	1.108605
3	2	67.7	13	1382.0	-	1.877172
4	1	81.7	7	-	-	2.597539
5	3	52.5	8	1119.0	1615.0	3.190116
6	3	83.7	12	1878.0	1822.0	3.438786
7	2	55.5	14	1203.0	-	4.031809
8	3	58.9	6	1345.0	1429.0	4.744632
9	2	89.9	6	1672.0	-	5.815004
10	1	59.0	13	-	-	6.394363
11	3	63.4	14	1578.0	1144.0	6.785340
12	3	73.6	6	1228.0	1340.0	7.481396
13	3	73.8	9	1347.0	1463.0	8.102372
14	2	92.1	15	1372.0	-	9.161294
15	1	78.0	20	-	-	9.596746
16	2	53.2	11	1479.0	-	10.503514
17	1	61.8	16	-	-	11.159831
18	1	52.6	6	-	-	11.394250

Table 42 - Long Sequence Waveform Trial#30 (NOT Detected) 40MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	89.0	19	1503.0	-	1.046581
2	2	76.1	15	1003.0	-	1.676943
3	2	92.7	8	1096.0	-	2.927679
4	1	71.9	12	-	-	4.196812
5	2	64.6	13	1092.0	-	5.104773
6	3	50.5	13	1797.0	1116.0	6.657667
7	1	63.2	17	-	-	7.884946
8	1	78.5	11	-	-	9.128276
9	1	95.0	14	-	-	10.654307
10	2	64.0	12	1772.0	-	11.084803

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5722, 5534, 5370, 5444, 5568, 5565, 5258, 5685, 5270, 5493, 5309, 5333, 5521, 5268, 5667, 5621, 5431, 5311, 5530, 5304, 5591, 5713, 5513, 5402, 5422, 5428, 5329, 5703, 5715, 5643, 5725, 5346, 5360, 5520, 5536, 5548, 5297, 5459, 5551, 5357, 5679, 5527, 5262, 5616, 5655, 5578, 5281, 5284, 5340, 5518, 5451, 5582, 5352, 5709, 5475, 5707, 5330, 5384, 5466, 5414, 5541, 5361, 5549, 5641, 5693, 5320, 5334, 5515, 5612, 5726, 5640, 5702, 5690, 5455, 5563, 5648, 5373, 5443, 5558, 5691, 5312, 5524, 5635, 5267, 5580, 5602, 5442, 5263, 5382, 5412, 5588, 5481, 5540, 5670, 5721, 5434, 5347, 5377, 5662, 5717 (7 hits) (10/08/2013 11:25:50 AM)
2	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5696, 5594, 5378, 5443, 5269, 5484, 5610, 5496, 5591, 5274, 5486, 5413, 5513, 5351, 5362, 5389, 5253, 5376, 5425, 5294, 5306, 5356, 5511, 5573, 5304, 5406, 5540, 5435, 5512, 5491, 5283, 5447, 5702, 5478, 5647, 5614, 5259, 5720, 5629, 5276, 5396, 5693, 5403, 5587, 5636, 5632, 5709, 5361, 5568, 5569, 5365, 5401, 5625, 5296, 5460, 5303, 5302, 5631, 5622, 5264, 5660, 5388, 5563, 5529, 5330, 5652, 5410, 5282, 5501, 5409, 5340, 5466, 5315, 5554, 5452, 5262, 5575, 5366, 5405, 5334, 5451, 5680, 5713, 5638, 5298, 5312, 5387, 5369, 5539, 5649, 5475, 5714, 5254, 5442, 5692, 5467, 5360, 5688, 5386, 5516 (6 hits) (10/08/2013 11:26:01 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5454, 5674, 5682, 5495, 5613, 5350, 5296, 5312, 5583, 5635, 5362, 5568, 5353, 5436, 5424, 5355, 5641, 5335, 5451, 5657, 5487, 5627, 5633, 5323, 5550, 5569, 5653, 5301, 5557, 5591, 5379, 5283, 5615, 5529, 5538, 5603, 5375, 5531, 5255, 5490, 5497, 5716, 5271, 5433, 5665, 5256, 5322, 5273, 5720, 5701, 5718, 5642, 5681, 5717, 5526, 5648, 5619, 5441, 5253, 5367, 5576, 5712, 5707, 5400, 5348, 5696, 5268, 5299, 5318, 5297, 5666, 5270, 5510, 5282, 5592, 5408, 5562, 5593, 5644, 5534, 5453, 5645, 5468, 5546, 5479, 5443, 5715, 5565, 5455, 5620, 5251, 5548, 5262, 5377, 5697, 5378, 5306, 5646, 5515, 5295 (5 hits) (10/08/2013 11:26:17 AM)
4	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5425, 5499, 5345, 5704, 5715, 5315, 5501, 5437, 5636, 5478, 5285, 5705, 5355, 5639, 5635, 5642, 5587, 5336, 5323, 5597, 5653, 5506, 5721, 5444, 5495, 5413, 5500, 5566, 5620, 5401, 5252, 5338, 5627, 5491, 5371, 5411, 5539, 5262, 5516, 5308, 5664, 5515, 5505, 5691, 5718, 5438, 5603, 5328, 5661, 5357, 5462, 5681, 5541, 5474, 5602, 5487, 5490, 5284, 5513, 5322, 5667, 5472, 5278, 5325, 5354, 5641, 5570, 5467, 5548, 5624, 5364, 5612, 5475, 5687, 5671, 5659, 5426, 5313, 5680, 5459, 5607, 5309, 5477, 5484, 5628, 5498, 5386, 5503, 5409, 5458, 5408, 5404, 5578, 5282, 5550, 5519, 5632, 5463, 5469, 5461 (12 hits) (10/08/2013 11:26:27 AM)
5	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5569, 5293, 5451, 5345, 5328, 5553, 5519, 5460, 5475, 5691, 5272, 5346, 5447, 5439, 5663, 5401, 5698, 5657, 5695, 5648, 5473, 5672, 5621, 5431, 5644, 5395, 5371, 5416, 5426, 5545, 5428, 5405, 5336, 5623, 5503, 5305, 5282, 5605, 5562, 5638, 5518, 5260, 5338, 5578, 5654, 5472, 5341, 5393, 5539, 5720, 5457, 5693, 5373,

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5678, 5692, 5400, 5432, 5641, 5596, 5502, 5660, 5403, 5274, 5255, 5680, 5419, 5477, 5659, 5590, 5602, 5570, 5552, 5653, 5474, 5509, 5485, 5361, 5557, 5717, 5312, 5415, 5550, 5492, 5404, 5711, 5595, 5284, 5517, 5427, 5314, 5463, 5269, 5661, 5666, 5263, 5665, 5257, 5531, 5594, 5683 (6 hits) (10/08/2013 11:26:37 AM)
6	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5415, 5710, 5505, 5517, 5630, 5702, 5332, 5665, 5281, 5682, 5422, 5563, 5549, 5669, 5466, 5398, 5461, 5410, 5306, 5269, 5334, 5529, 5489, 5283, 5358, 5676, 5369, 5255, 5280, 5611, 5451, 5491, 5561, 5653, 5566, 5449, 5492, 5578, 5401, 5331, 5705, 5485, 5635, 5275, 5263, 5521, 5407, 5673, 5464, 5391, 5384, 5336, 5605, 5649, 5642, 5658, 5542, 5356, 5404, 5273, 5526, 5285, 5313, 5586, 5360, 5394, 5647, 5631, 5310, 5376, 5388, 5714, 5704, 5465, 5260, 5497, 5296, 5266, 5475, 5468, 5481, 5701, 5568, 5452, 5349, 5387, 5548, 5447, 5305, 5690, 5709, 5545, 5279, 5418, 5496, 5536, 5436, 5632, 5589, 5541 (6 hits) (10/08/2013 11:26:44 AM)
7	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5554, 5326, 5548, 5590, 5545, 5466, 5540, 5673, 5455, 5304, 5646, 5303, 5348, 5555, 5453, 5457, 5279, 5264, 5399, 5398, 5374, 5636, 5441, 5717, 5473, 5609, 5492, 5418, 5631, 5557, 5695, 5662, 5564, 5527, 5359, 5431, 5258, 5434, 5547, 5543, 5412, 5546, 5338, 5678, 5602, 5379, 5576, 5584, 5389, 5286, 5641, 5568, 5460, 5296, 5582, 5397, 5591, 5306, 5330, 5300, 5388, 5640, 5510, 5630, 5542, 5320, 5519, 5385, 5627, 5490, 5511, 5353, 5476, 5604, 5567, 5667, 5446, 5498, 5506, 5603, 5381, 5443, 5467, 5707, 5524, 5484, 5622, 5633, 5502, 5711, 5327, 5407, 5551, 5384, 5716, 5629, 5432, 5599, 5293, 5382 (8 hits) (10/08/2013 11:26:52 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5484, 5687, 5657, 5306, 5685, 5497, 5701, 5526, 5266, 5555, 5429, 5426, 5375, 5476, 5387, 5340, 5410, 5541, 5463, 5407, 5371, 5294, 5268, 5492, 5261, 5635, 5556, 5562, 5415, 5265, 5274, 5286, 5583, 5284, 5445, 5276, 5285, 5515, 5581, 5421, 5363, 5414, 5676, 5351, 5612, 5536, 5483, 5603, 5400, 5670, 5455, 5502, 5571, 5389, 5592, 5610, 5695, 5278, 5689, 5279, 5522, 5674, 5561, 5251, 5331, 5469, 5714, 5572, 5416, 5611, 5470, 5328, 5659, 5368, 5338, 5308, 5304, 5631, 5699, 5392, 5722, 5664, 5255, 5520, 5377, 5253, 5694, 5574, 5467, 5320, 5625, 5624, 5501, 5529, 5552, 5634, 5479, 5567, 5607, 5309 (7 hits) (10/08/2013 11:26:59 AM)
9	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5603, 5397, 5529, 5387, 5620, 5291, 5718, 5409, 5505, 5536, 5295, 5370, 5520, 5687, 5349, 5346, 5667, 5284, 5486, 5323, 5458, 5261, 5645, 5554, 5270, 5526, 5515, 5468, 5386, 5484, 5298, 5481, 5611, 5601, 5318, 5405, 5292, 5447, 5542, 5642, 5506, 5545, 5432, 5664, 5353, 5576, 5348, 5442, 5513, 5433, 5707, 5607, 5561, 5649, 5429, 5562, 5378, 5495, 5521, 5691, 5500, 5564, 5278, 5614, 5381, 5685, 5690, 5550, 5673, 5631, 5308, 5644, 5260, 5695, 5480, 5527, 5618, 5714, 5557, 5443, 5317, 5567, 5704, 5322, 5367, 5587, 5522, 5598, 5426, 5391, 5519, 5633, 5543, 5357, 5403, 5723, 5333, 5359, 5336, 5369 (12 hits) (10/08/2013 11:27:06 AM)
10	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5501, 5538, 5671, 5559, 5365, 5252, 5442, 5577, 5503, 5663, 5397, 5384, 5549, 5592, 5676, 5659, 5548, 5542, 5305, 5325, 5587, 5308, 5267, 5531, 5579, 5271, 5297, 5523, 5628, 5551, 5356, 5642, 5666, 5256, 5513, 5584, 5290, 5293, 5379, 5329, 5674, 5331, 5696, 5672, 5644, 5570, 5460, 5580, 5377, 5341, 5721, 5716, 5347,

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5627, 5404, 5316, 5385, 5515, 5410, 5688, 5480, 5446, 5451, 5527, 5517, 5393, 5352, 5414, 5636, 5462, 5476, 5408, 5450, 5390, 5275, 5470, 5307, 5261, 5251, 5507, 5534, 5545, 5465, 5637, 5435, 5661, 5649, 5652, 5529, 5560, 5278, 5406, 5303, 5332, 5700, 5292, 5416, 5606, 5440, 5665 (8 hits) (10/08/2013 11:27:13 AM)
11	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5394, 5309, 5452, 5297, 5678, 5480, 5600, 5387, 5352, 5457, 5456, 5419, 5551, 5495, 5680, 5712, 5690, 5251, 5585, 5549, 5363, 5595, 5388, 5597, 5614, 5482, 5692, 5475, 5406, 5493, 5323, 5474, 5353, 5668, 5408, 5687, 5384, 5675, 5379, 5587, 5684, 5602, 5319, 5671, 5298, 5498, 5622, 5518, 5267, 5389, 5647, 5273, 5361, 5470, 5703, 5520, 5291, 5564, 5333, 5301, 5524, 5455, 5517, 5382, 5601, 5527, 5357, 5606, 5586, 5599, 5560, 5556, 5628, 5660, 5499, 5655, 5724, 5464, 5429, 5478, 5438, 5407, 5264, 5536, 5423, 5649, 5636, 5488, 5305, 5694, 5400, 5458, 5490, 5421, 5526, 5381, 5613, 5472, 5688, 5701 (9 hits) (10/08/2013 11:27:23 AM)
12	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5415, 5423, 5339, 5290, 5626, 5367, 5640, 5646, 5296, 5512, 5408, 5372, 5687, 5293, 5451, 5600, 5676, 5560, 5516, 5362, 5627, 5393, 5353, 5688, 5468, 5343, 5298, 5561, 5558, 5528, 5588, 5402, 5369, 5571, 5346, 5580, 5279, 5629, 5557, 5305, 5497, 5616, 5546, 5650, 5568, 5504, 5348, 5613, 5630, 5253, 5573, 5612, 5525, 5289, 5651, 5278, 5373, 5454, 5598, 5705, 5581, 5657, 5450, 5381, 5538, 5690, 5471, 5458, 5715, 5421, 5366, 5292, 5443, 5418, 5314, 5426, 5483, 5345, 5394, 5544, 5329, 5682, 5277, 5494, 5551, 5257, 5672, 5341, 5288, 5481, 5484, 5655, 5326, 5686, 5540, 5351, 5254, 5590, 5565, 5596 (6 hits) (10/08/2013 11:27:35 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5718, 5441, 5575, 5354, 5637, 5457, 5341, 5589, 5438, 5490, 5711, 5672, 5456, 5690, 5328, 5583, 5406, 5265, 5662, 5655, 5721, 5682, 5596, 5500, 5526, 5489, 5574, 5292, 5665, 5418, 5498, 5553, 5630, 5684, 5260, 5448, 5702, 5724, 5707, 5367, 5464, 5635, 5272, 5449, 5554, 5606, 5377, 5270, 5424, 5340, 5368, 5658, 5599, 5322, 5355, 5627, 5706, 5676, 5674, 5617, 5652, 5256, 5653, 5420, 5582, 5611, 5714, 5643, 5465, 5383, 5274, 5594, 5321, 5525, 5590, 5299, 5529, 5361, 5466, 5657, 5442, 5346, 5588, 5601, 5400, 5289, 5475, 5255, 5725, 5536, 5625, 5485, 5522, 5446, 5607, 5264, 5677, 5504, 5267, 5281 (6 hits) (10/08/2013 11:27:42 AM)
14	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5374, 5631, 5457, 5308, 5418, 5665, 5536, 5679, 5362, 5703, 5268, 5560, 5574, 5454, 5583, 5307, 5602, 5297, 5452, 5356, 5331, 5437, 5622, 5552, 5669, 5648, 5659, 5471, 5675, 5494, 5463, 5275, 5265, 5376, 5347, 5664, 5694, 5636, 5327, 5495, 5251, 5609, 5503, 5699, 5377, 5705, 5432, 5451, 5504, 5518, 5267, 5616, 5596, 5401, 5492, 5462, 5283, 5696, 5276, 5446, 5588, 5381, 5300, 5413, 5474, 5553, 5252, 5507, 5486, 5707, 5482, 5282, 5581, 5310, 5589, 5423, 5259, 5398, 5262, 5410, 5725, 5285, 5441, 5343, 5593, 5306, 5716, 5618, 5302, 5585, 5505, 5653, 5445, 5557, 5566, 5352, 5414, 5537, 5481, 5372 (7 hits) (10/08/2013 11:27:49 AM)
15	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5424, 5601, 5446, 5683, 5544, 5654, 5689, 5273, 5337, 5645, 5658, 5373, 5338, 5569, 5370, 5447, 5422, 5262, 5340, 5378, 5579, 5304, 5656, 5629, 5665, 5628, 5283, 5699, 5483, 5622, 5679, 5417, 5639, 5568, 5659, 5529, 5721, 5524, 5404, 5333, 5380, 5372, 5536, 5456, 5643, 5459, 5690, 5668, 5575, 5413, 5321, 5519, 5398,

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5596, 5610, 5486, 5672, 5377, 5528, 5367, 5416, 5527, 5481, 5352, 5474, 5698, 5648, 5720, 5303, 5403, 5485, 5584, 5317, 5708, 5499, 5347, 5580, 5428, 5512, 5652, 5393, 5467, 5335, 5598, 5710, 5369, 5381, 5420, 5597, 5306, 5688, 5471, 5345, 5423, 5355, 5253, 5296, 5674, 5634, 5502 (6 hits) (10/08/2013 11:27:56 AM)
16	9	1.0	333.0	Yes	5509.0MHz, -64.0dBm	Hop sequence: 5262, 5290, 5420, 5612, 5258, 5666, 5460, 5448, 5385, 5369, 5255, 5686, 5289, 5630, 5439, 5268, 5536, 5493, 5585, 5409, 5457, 5398, 5578, 5711, 5310, 5254, 5416, 5395, 5339, 5261, 5315, 5386, 5502, 5384, 5659, 5635, 5597, 5655, 5661, 5282, 5267, 5518, 5590, 5412, 5520, 5605, 5362, 5709, 5673, 5329, 5620, 5558, 5514, 5421, 5388, 5710, 5640, 5380, 5307, 5401, 5257, 5259, 5432, 5390, 5645, 5397, 5652, 5527, 5499, 5406, 5568, 5383, 5373, 5355, 5442, 5321, 5580, 5559, 5371, 5491, 5718, 5408, 5579, 5303, 5298, 5279, 5565, 5678, 5722, 5657, 5677, 5433, 5525, 5623, 5704, 5392, 5270, 5430, 5691, 5575 (7 hits) (10/08/2013 11:28:03 AM)
17	9	1.0	333.0	Yes	5510.0MHz, -64.0dBm	Hop sequence: 5480, 5322, 5375, 5530, 5319, 5605, 5716, 5342, 5669, 5263, 5434, 5253, 5310, 5289, 5409, 5256, 5562, 5436, 5374, 5648, 5509, 5345, 5469, 5495, 5671, 5524, 5354, 5566, 5511, 5437, 5619, 5475, 5391, 5427, 5260, 5623, 5632, 5711, 5611, 5522, 5618, 5413, 5452, 5626, 5675, 5571, 5291, 5682, 5334, 5348, 5347, 5280, 5459, 5251, 5598, 5706, 5435, 5590, 5697, 5471, 5539, 5639, 5608, 5674, 5367, 5634, 5705, 5526, 5464, 5699, 5257, 5653, 5442, 5556, 5316, 5441, 5719, 5313, 5468, 5588, 5444, 5278, 5523, 5718, 5658, 5644, 5466, 5528, 5570, 5610, 5593, 5269, 5332, 5350, 5362, 5504, 5690, 5346, 5335, 5656 (8 hits) (10/08/2013 11:28:30 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
18	9	1.0	333.0	Yes	5511.0MHz, -64.0dBm	Hop sequence: 5369, 5338, 5620, 5392, 5545, 5394, 5624, 5400, 5430, 5631, 5634, 5582, 5623, 5668, 5632, 5438, 5587, 5685, 5341, 5349, 5529, 5377, 5577, 5423, 5252, 5281, 5533, 5607, 5283, 5388, 5263, 5563, 5288, 5461, 5574, 5568, 5630, 5543, 5458, 5324, 5476, 5386, 5716, 5287, 5496, 5464, 5466, 5516, 5382, 5566, 5619, 5384, 5595, 5318, 5344, 5585, 5403, 5363, 5291, 5407, 5606, 5250, 5708, 5311, 5285, 5335, 5645, 5350, 5719, 5482, 5628, 5446, 5272, 5289, 5351, 5647, 5525, 5317, 5258, 5463, 5431, 5539, 5428, 5469, 5509, 5452, 5532, 5432, 5637, 5723, 5605, 5297, 5497, 5664, 5467, 5684, 5558, 5712, 5434, 5671 (5 hits) (10/08/2013 11:28:38 AM)
19	9	1.0	333.0	Yes	5512.0MHz, -64.0dBm	Hop sequence: 5437, 5267, 5285, 5489, 5613, 5622, 5468, 5619, 5631, 5532, 5606, 5460, 5582, 5326, 5330, 5539, 5356, 5455, 5275, 5472, 5689, 5405, 5427, 5655, 5488, 5289, 5677, 5476, 5678, 5651, 5564, 5266, 5501, 5371, 5401, 5304, 5697, 5333, 5256, 5716, 5443, 5643, 5288, 5389, 5332, 5719, 5589, 5380, 5657, 5374, 5675, 5317, 5713, 5403, 5623, 5708, 5420, 5638, 5448, 5658, 5262, 5290, 5527, 5458, 5688, 5644, 5278, 5706, 5457, 5502, 5494, 5386, 5337, 5531, 5628, 5369, 5433, 5725, 5516, 5255, 5544, 5388, 5335, 5598, 5637, 5648, 5478, 5667, 5331, 5547, 5398, 5259, 5575, 5714, 5366, 5664, 5409, 5663, 5465, 5348 (5 hits) (10/08/2013 11:28:46 AM)
20	9	1.0	333.0	Yes	5513.0MHz, -64.0dBm	Hop sequence: 5680, 5459, 5347, 5704, 5670, 5688, 5297, 5401, 5577, 5285, 5659, 5377, 5261, 5441, 5689, 5257, 5640, 5721, 5647, 5677, 5714, 5722, 5338, 5557, 5327, 5403, 5553, 5526, 5702, 5420, 5585, 5431, 5609, 5664, 5291, 5497, 5523, 5679, 5353, 5491, 5551, 5498, 5373, 5627, 5471, 5584, 5500, 5258, 5364, 5262, 5703, 5615, 5359,

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5636, 5641, 5569, 5556, 5335, 5275, 5686, 5583, 5282, 5699, 5539, 5311, 5447, 5474, 5270, 5281, 5685, 5439, 5606, 5607, 5331, 5294, 5648, 5300, 5319, 5356, 5410, 5485, 5669, 5278, 5428, 5432, 5466, 5455, 5423, 5590, 5326, 5336, 5426, 5342, 5318, 5597, 5618, 5333, 5725, 5386, 5490 (5 hits) (10/08/2013 11:28:54 AM)
21	9	1.0	333.0	Yes	5514.0MHz, -64.0dBm	Hop sequence: 5630, 5454, 5519, 5638, 5622, 5430, 5662, 5673, 5606, 5267, 5525, 5488, 5660, 5578, 5298, 5681, 5696, 5458, 5388, 5251, 5383, 5253, 5693, 5453, 5479, 5708, 5256, 5654, 5627, 5667, 5317, 5589, 5340, 5486, 5429, 5609, 5543, 5587, 5500, 5533, 5692, 5529, 5397, 5438, 5489, 5355, 5573, 5686, 5713, 5615, 5616, 5583, 5321, 5470, 5560, 5624, 5285, 5723, 5297, 5720, 5261, 5511, 5722, 5276, 5461, 5548, 5502, 5691, 5476, 5715, 5418, 5562, 5614, 5254, 5669, 5471, 5373, 5385, 5694, 5565, 5522, 5275, 5495, 5372, 5580, 5368, 5677, 5653, 5702, 5295, 5695, 5613, 5703, 5371, 5330, 5391, 5402, 5584, 5612, 5309 (7 hits) (10/08/2013 11:31:41 AM)
22	9	1.0	333.0	Yes	5515.0MHz, -64.0dBm	Hop sequence: 5551, 5688, 5543, 5500, 5258, 5384, 5279, 5334, 5524, 5643, 5555, 5315, 5288, 5281, 5654, 5569, 5488, 5441, 5295, 5659, 5289, 5318, 5498, 5633, 5482, 5479, 5711, 5683, 5686, 5615, 5696, 5478, 5270, 5585, 5388, 5308, 5292, 5684, 5431, 5706, 5416, 5609, 5413, 5536, 5264, 5534, 5469, 5340, 5612, 5403, 5464, 5455, 5343, 5427, 5347, 5549, 5376, 5546, 5406, 5574, 5518, 5556, 5692, 5639, 5623, 5510, 5530, 5522, 5592, 5539, 5424, 5716, 5705, 5454, 5259, 5375, 5468, 5290, 5649, 5404, 5254, 5442, 5564, 5436, 5277, 5285, 5446, 5724, 5443, 5638, 5523, 5547, 5294, 5408, 5718, 5676, 5333, 5350, 5293, 5357 (7 hits) (10/08/2013 11:31:51 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5516.0MHz, -64.0dBm	Hop sequence: 5631, 5488, 5472, 5543, 5548, 5394, 5322, 5515, 5326, 5466, 5615, 5724, 5446, 5382, 5702, 5717, 5389, 5511, 5380, 5618, 5526, 5325, 5566, 5627, 5587, 5534, 5597, 5254, 5523, 5279, 5467, 5469, 5368, 5459, 5349, 5480, 5370, 5657, 5262, 5546, 5711, 5482, 5659, 5332, 5500, 5384, 5257, 5694, 5658, 5491, 5440, 5324, 5539, 5581, 5568, 5421, 5358, 5436, 5710, 5407, 5703, 5406, 5527, 5503, 5414, 5371, 5312, 5303, 5250, 5674, 5309, 5447, 5620, 5698, 5314, 5315, 5689, 5538, 5645, 5588, 5274, 5676, 5422, 5610, 5572, 5405, 5347, 5373, 5606, 5439, 5590, 5589, 5490, 5596, 5290, 5499, 5366, 5297, 5697, 5564 (8 hits) (10/08/2013 11:32:04 AM)
24	9	1.0	333.0	Yes	5517.0MHz, -64.0dBm	Hop sequence: 5661, 5544, 5503, 5349, 5672, 5531, 5496, 5526, 5586, 5522, 5601, 5691, 5346, 5512, 5626, 5455, 5573, 5262, 5393, 5284, 5537, 5292, 5310, 5559, 5347, 5506, 5416, 5517, 5591, 5323, 5613, 5442, 5379, 5259, 5671, 5660, 5514, 5352, 5291, 5538, 5290, 5412, 5684, 5447, 5457, 5507, 5275, 5308, 5635, 5675, 5700, 5466, 5384, 5376, 5703, 5409, 5541, 5624, 5404, 5452, 5370, 5303, 5718, 5657, 5564, 5475, 5518, 5256, 5321, 5335, 5428, 5283, 5361, 5411, 5570, 5348, 5436, 5605, 5273, 5546, 5625, 5609, 5539, 5314, 5345, 5566, 5627, 5318, 5688, 5550, 5293, 5320, 5309, 5334, 5435, 5358, 5367, 5482, 5528, 5255 (10 hits) (10/08/2013 11:32:11 AM)
25	9	1.0	333.0	Yes	5518.0MHz, -64.0dBm	Hop sequence: 5365, 5526, 5650, 5513, 5647, 5289, 5303, 5522, 5441, 5364, 5623, 5296, 5263, 5718, 5703, 5547, 5270, 5510, 5583, 5641, 5484, 5492, 5302, 5411, 5645, 5258, 5275, 5401, 5567, 5498, 5377, 5392, 5449, 5587, 5629, 5464, 5466, 5257, 5521, 5494, 5462, 5534, 5376, 5652, 5410, 5716, 5628, 5468, 5328, 5351, 5323, 5595, 5250,

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5402, 5333, 5558, 5440, 5428, 5500, 5306, 5334, 5315, 5477, 5609, 5261, 5533, 5457, 5288, 5345, 5370, 5532, 5520, 5451, 5283, 5550, 5279, 5717, 5473, 5662, 5610, 5414, 5553, 5280, 5399, 5504, 5667, 5426, 5599, 5689, 5480, 5719, 5385, 5295, 5420, 5471, 5419, 5366, 5308, 5344, 5537 (10 hits) (10/08/2013 11:32:18 AM)
26	9	1.0	333.0	Yes	5519.0MHz, -64.0dBm	Hop sequence: 5402, 5376, 5437, 5291, 5522, 5488, 5554, 5568, 5622, 5694, 5301, 5555, 5331, 5621, 5640, 5716, 5272, 5252, 5255, 5392, 5465, 5431, 5425, 5320, 5505, 5659, 5408, 5542, 5390, 5657, 5435, 5530, 5576, 5467, 5358, 5385, 5618, 5616, 5597, 5496, 5668, 5490, 5631, 5588, 5598, 5337, 5286, 5433, 5366, 5387, 5660, 5477, 5462, 5405, 5680, 5654, 5410, 5626, 5577, 5710, 5356, 5563, 5347, 5632, 5310, 5702, 5457, 5623, 5473, 5609, 5682, 5421, 5308, 5591, 5304, 5579, 5495, 5287, 5446, 5509, 5300, 5439, 5263, 5615, 5449, 5521, 5455, 5614, 5677, 5720, 5571, 5500, 5293, 5641, 5482, 5251, 5544, 5690, 5602, 5600 (7 hits) (10/08/2013 11:32:24 AM)
27	9	1.0	333.0	Yes	5520.0MHz, -64.0dBm	Hop sequence: 5633, 5314, 5632, 5408, 5348, 5355, 5570, 5312, 5676, 5666, 5296, 5582, 5496, 5359, 5323, 5688, 5670, 5489, 5515, 5636, 5467, 5571, 5350, 5609, 5590, 5419, 5330, 5428, 5488, 5440, 5406, 5490, 5266, 5714, 5276, 5689, 5550, 5329, 5607, 5316, 5552, 5628, 5327, 5430, 5674, 5345, 5464, 5482, 5497, 5298, 5610, 5390, 5627, 5366, 5712, 5261, 5272, 5576, 5333, 5255, 5434, 5523, 5510, 5454, 5416, 5305, 5548, 5294, 5546, 5478, 5306, 5709, 5388, 5631, 5441, 5686, 5680, 5259, 5338, 5613, 5530, 5591, 5586, 5472, 5656, 5492, 5377, 5585, 5661, 5641, 5449, 5468, 5380, 5281, 5518, 5442, 5501, 5455, 5583, 5425 (7 hits) (10/08/2013 11:32:31 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	9	1.0	333.0	Yes	5521.0MHz, -64.0dBm	Hop sequence: 5574, 5553, 5276, 5719, 5427, 5301, 5564, 5545, 5259, 5322, 5623, 5578, 5533, 5436, 5705, 5537, 5523, 5437, 5465, 5706, 5413, 5504, 5330, 5685, 5634, 5636, 5331, 5611, 5684, 5498, 5605, 5359, 5693, 5411, 5655, 5439, 5529, 5704, 5310, 5696, 5677, 5307, 5607, 5384, 5527, 5717, 5485, 5415, 5408, 5349, 5613, 5618, 5501, 5550, 5285, 5373, 5609, 5446, 5680, 5559, 5294, 5723, 5586, 5503, 5424, 5563, 5445, 5620, 5675, 5332, 5676, 5343, 5511, 5296, 5355, 5267, 5494, 5665, 5671, 5584, 5483, 5469, 5632, 5547, 5403, 5691, 5721, 5305, 5289, 5317, 5635, 5250, 5686, 5507, 5682, 5333, 5551, 5567, 5502, 5668 (10 hits) (10/08/2013 11:32:38 AM)
29	9	1.0	333.0	Yes	5522.0MHz, -64.0dBm	Hop sequence: 5312, 5600, 5651, 5262, 5631, 5720, 5554, 5428, 5595, 5551, 5271, 5274, 5717, 5503, 5569, 5725, 5536, 5644, 5261, 5287, 5714, 5541, 5686, 5369, 5327, 5490, 5539, 5372, 5345, 5605, 5673, 5601, 5692, 5571, 5669, 5461, 5546, 5303, 5665, 5268, 5589, 5364, 5590, 5540, 5433, 5294, 5572, 5685, 5514, 5251, 5471, 5477, 5482, 5560, 5447, 5497, 5488, 5557, 5564, 5273, 5468, 5278, 5530, 5472, 5348, 5353, 5314, 5354, 5263, 5363, 5321, 5624, 5444, 5515, 5381, 5324, 5408, 5666, 5332, 5443, 5507, 5431, 5394, 5618, 5591, 5566, 5373, 5682, 5527, 5427, 5342, 5282, 5252, 5711, 5374, 5517, 5450, 5704, 5411, 5299 (7 hits) (10/08/2013 11:32:45 AM)
30	9	1.0	333.0	Yes	5523.0MHz, -64.0dBm	Hop sequence: 5599, 5447, 5549, 5480, 5423, 5277, 5333, 5590, 5510, 5710, 5600, 5463, 5425, 5504, 5593, 5544, 5292, 5257, 5705, 5260, 5357, 5444, 5311, 5286, 5434, 5282, 5427, 5267, 5338, 5688, 5644, 5265, 5660, 5645, 5393, 5641, 5486, 5440, 5691, 5525, 5561, 5618, 5432, 5687, 5395, 5291, 5411, 5367, 5583, 5668, 5443, 5305, 5702,

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5278, 5537, 5567, 5720, 5651, 5268, 5331, 5389, 5373, 5445, 5692, 5323, 5300, 5326, 5501, 5478, 5414, 5293, 5397, 5717, 5441, 5635, 5513, 5656, 5602, 5591, 5678, 5354, 5418, 5711, 5612, 5693, 5555, 5359, 5515, 5369, 5471, 5684, 5384, 5703, 5380, 5419, 5335, 5522, 5578, 5535, 5634 (7 hits) (10/08/2013 11:32:53 AM)
31	9	1.0	333.0	Yes	5524.0MHz, -64.0dBm	Hop sequence: 5337, 5429, 5306, 5359, 5251, 5553, 5253, 5388, 5389, 5279, 5348, 5507, 5336, 5496, 5353, 5466, 5392, 5379, 5526, 5513, 5661, 5555, 5258, 5330, 5363, 5487, 5694, 5312, 5462, 5681, 5548, 5642, 5687, 5700, 5684, 5592, 5519, 5434, 5321, 5489, 5630, 5635, 5480, 5680, 5664, 5559, 5292, 5262, 5265, 5278, 5342, 5451, 5619, 5467, 5402, 5318, 5274, 5701, 5678, 5536, 5400, 5494, 5417, 5420, 5601, 5435, 5477, 5448, 5558, 5257, 5472, 5534, 5479, 5576, 5443, 5710, 5350, 5614, 5663, 5345, 5611, 5267, 5515, 5587, 5476, 5712, 5425, 5329, 5370, 5284, 5616, 5564, 5347, 5286, 5504, 5383, 5716, 5667, 5696, 5659 (8 hits) (10/08/2013 11:33:04 AM)
32	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5340, 5666, 5333, 5379, 5574, 5707, 5253, 5609, 5479, 5594, 5255, 5279, 5685, 5663, 5537, 5580, 5376, 5504, 5350, 5388, 5557, 5710, 5642, 5680, 5683, 5409, 5564, 5711, 5300, 5499, 5688, 5694, 5289, 5444, 5309, 5308, 5448, 5372, 5313, 5655, 5508, 5689, 5311, 5672, 5657, 5394, 5270, 5620, 5563, 5477, 5520, 5693, 5485, 5533, 5704, 5489, 5460, 5314, 5472, 5323, 5435, 5445, 5423, 5281, 5604, 5544, 5575, 5582, 5699, 5612, 5648, 5254, 5456, 5326, 5521, 5613, 5295, 5424, 5325, 5383, 5342, 5579, 5471, 5374, 5405, 5265, 5411, 5581, 5602, 5353, 5611, 5502, 5294, 5321, 5410, 5569, 5361, 5474, 5283, 5484 (6 hits) (10/08/2013 11:33:12 AM)

Table 43 - FCC frequency hopping radar (Type 6) Results 40MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5526.0MHz, -64.0dBm	Hop sequence: 5296, 5473, 5675, 5263, 5501, 5613, 5678, 5582, 5712, 5588, 5311, 5342, 5292, 5335, 5447, 5576, 5293, 5510, 5352, 5641, 5702, 5587, 5469, 5598, 5590, 5676, 5445, 5525, 5669, 5298, 5279, 5384, 5357, 5346, 5443, 5695, 5692, 5530, 5303, 5574, 5572, 5696, 5593, 5554, 5565, 5350, 5558, 5562, 5544, 5616, 5301, 5449, 5251, 5378, 5698, 5499, 5626, 5410, 5569, 5589, 5295, 5441, 5472, 5592, 5328, 5252, 5541, 5703, 5632, 5429, 5332, 5711, 5667, 5516, 5399, 5340, 5628, 5284, 5605, 5330, 5351, 5452, 5704, 5674, 5305, 5457, 5723, 5277, 5658, 5657, 5405, 5537, 5545, 5643, 5693, 5366, 5560, 5297, 5329, 5354 (5 hits) (10/08/2013 11:33:18 AM)
34	9	1.0	333.0	Yes	5527.0MHz, -64.0dBm	Hop sequence: 5356, 5519, 5403, 5678, 5590, 5426, 5276, 5624, 5303, 5255, 5721, 5483, 5654, 5588, 5695, 5697, 5427, 5576, 5422, 5626, 5433, 5442, 5463, 5297, 5350, 5465, 5479, 5608, 5456, 5258, 5443, 5411, 5348, 5344, 5272, 5520, 5538, 5694, 5525, 5415, 5371, 5539, 5395, 5327, 5568, 5468, 5410, 5314, 5259, 5261, 5374, 5640, 5257, 5481, 5514, 5611, 5301, 5522, 5517, 5339, 5326, 5477, 5586, 5264, 5311, 5549, 5534, 5402, 5567, 5299, 5672, 5544, 5292, 5368, 5312, 5656, 5334, 5319, 5361, 5712, 5688, 5658, 5578, 5526, 5490, 5536, 5291, 5572, 5657, 5648, 5353, 5262, 5294, 5342, 5719, 5322, 5335, 5646, 5542, 5677 (7 hits) (10/08/2013 11:33:27 AM)

20MHz bandwidth

Table 44 - Detection Bandwidth Measurements (Bandwidth: +8MHz /-8MHz) 20MHz 2x2					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	0	3	0
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	1	3	25

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)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	100.0 %	60.0 %	30	PASSED
Aggregate of above results	98.3 %	80.0 %	120	PASSED
Long Sequence	83.3 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	34	PASSED

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:39:41 AM)
2	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:39:59 AM)
3	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:40:07 AM)
4	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:40:18 AM)
5	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:40:30 AM)
6	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:40:37 AM)
7	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:40:44 AM)
8	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:40:52 AM)
9	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:41:02 AM)
10	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:41:11 AM)
11	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:41:19 AM)
12	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:41:26 AM)
13	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:41:33 AM)
14	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:41:40 AM)

Table 46 - FCC Short Pulse Radar (Type 1) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
15	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:41:47 AM)
16	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:41:54 AM)
17	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:42:01 AM)
18	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:42:14 AM)
19	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:42:22 AM)
20	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:42:30 AM)
21	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:42:37 AM)
22	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:42:44 AM)
23	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:42:54 AM)
24	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:43:13 AM)
25	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:43:22 AM)
26	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:43:38 AM)
27	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:43:47 AM)
28	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:43:54 AM)
29	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:44:02 AM)
30	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:44:12 AM)

Table 47 - FCC Short Pulse Radar (Type 2) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	27	2.7	221.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:46:09 AM)
2	26	1.8	196.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:46:16 AM)
3	26	3.0	223.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:46:23 AM)
4	23	1.4	172.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:46:33 AM)
5	27	1.3	175.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:46:43 AM)
6	27	2.9	202.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:46:55 AM)
7	23	2.0	176.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:47:16 AM)
8	25	3.1	176.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:47:25 AM)

Table 47 - FCC Short Pulse Radar (Type 2) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
9	28	2.7	216.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:47:36 AM)
10	24	4.3	153.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:47:44 AM)
11	25	2.4	215.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:47:52 AM)
12	24	4.0	160.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:48:10 AM)
13	28	2.0	165.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:48:18 AM)
14	28	1.0	169.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:48:26 AM)
15	27	1.4	217.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:48:34 AM)
16	23	4.6	159.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:48:45 AM)
17	24	3.5	159.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:48:53 AM)
18	24	1.2	174.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:49:09 AM)
19	27	3.3	198.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:49:17 AM)
20	27	1.6	226.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:49:26 AM)
21	24	2.2	212.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:49:33 AM)
22	27	1.6	219.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:49:40 AM)
23	26	1.0	160.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:49:47 AM)
24	24	2.5	191.0	No	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:49:54 AM)
25	23	2.1	169.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:50:05 AM)
26	24	3.1	204.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:50:18 AM)
27	23	1.4	170.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:50:27 AM)
28	26	3.3	198.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 11:50:34 AM)
29	27	4.9	177.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 11:50:42 AM)
30	25	2.6	197.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 11:50:50 AM)

Table 48 - FCC Short Pulse Radar (Type 3) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	10.0	220.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:15:46 PM)
2	16	7.1	304.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:15:55 PM)
3	16	6.3	285.0	Yes	5490.0MHz,	Single burst (10/08/2013 01:16:06 PM)

Table 48 - FCC Short Pulse Radar (Type 3) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	PM)
4	16	7.6	232.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 01:16:57 PM)
5	17	7.3	488.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:17:06 PM)
6	16	8.5	316.0	No	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:17:15 PM)
7	17	9.5	282.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:17:39 PM)
8	17	6.9	432.0	Yes	5490.0MHz, -64.0dBm	Single burst (10/08/2013 01:17:47 PM)
9	16	8.9	222.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 01:17:54 PM)
10	17	7.7	410.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:18:04 PM)
11	18	8.1	452.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:18:22 PM)
12	18	9.2	301.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:19:05 PM)
13	17	6.3	244.0	Yes	5490.0MHz, -64.0dBm	Single burst (10/08/2013 01:19:12 PM)
14	17	8.8	304.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 01:19:25 PM)
15	18	8.6	227.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:19:34 PM)
16	17	7.8	394.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:19:41 PM)
17	17	8.9	402.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:19:48 PM)
18	17	7.9	274.0	Yes	5490.0MHz, -64.0dBm	Single burst (10/08/2013 01:19:55 PM)
19	16	9.1	316.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 01:22:33 PM)
20	17	7.7	451.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:22:41 PM)
21	16	9.1	245.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:22:47 PM)
22	17	7.0	372.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:22:56 PM)
23	17	6.9	321.0	Yes	5490.0MHz, -64.0dBm	Single burst (10/08/2013 01:23:03 PM)
24	18	6.4	351.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 01:23:10 PM)
25	17	9.1	333.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:23:18 PM)
26	18	6.3	303.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:23:27 PM)
27	17	7.0	237.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:23:36 PM)
28	17	8.8	466.0	Yes	5490.0MHz, -64.0dBm	Single burst (10/08/2013 01:23:43 PM)
29	16	6.2	419.0	Yes	5510.0MHz, -64.0dBm	Single burst (10/08/2013 01:23:52 PM)
30	17	6.9	499.0	Yes	5505.0MHz,	Single burst (10/08/2013 01:24:12

Table 48 - FCC Short Pulse Radar (Type 3) Results 20MHz 2x2

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	PM)

Table 49 - FCC Short Pulse Radar (Type 4) Results 20MHz 2x2

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	16	15.5	418.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:26:55 PM)
2	15	14.8	345.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:27:04 PM)
3	13	17.7	380.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:27:13 PM)
4	13	12.0	341.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:27:21 PM)
5	13	19.4	255.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:27:55 PM)
6	13	14.6	410.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:28:02 PM)
7	14	11.1	495.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:28:09 PM)
8	15	17.9	330.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:28:16 PM)
9	13	18.8	320.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:28:23 PM)
10	14	14.5	495.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:28:30 PM)
11	12	13.8	498.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:28:37 PM)
12	16	17.8	413.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:28:47 PM)
13	13	15.4	305.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:28:54 PM)
14	13	12.6	444.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:29:02 PM)
15	13	11.7	240.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:29:09 PM)
16	15	12.8	387.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:29:16 PM)
17	12	11.5	279.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:29:24 PM)
18	15	18.8	399.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:29:32 PM)
19	14	17.0	387.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:29:39 PM)
20	16	19.5	225.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:29:46 PM)
21	14	19.0	436.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:29:54 PM)
22	15	14.1	356.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:30:00 PM)
23	16	15.1	251.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:30:07 PM)
24	14	14.2	351.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:30:14 PM)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
25	12	18.6	468.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:30:20 PM)
26	14	13.4	230.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:30:30 PM)
27	14	14.6	372.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:30:36 PM)
28	14	12.5	442.0	Yes	5500.0MHz, -64.0dBm	Single burst (10/08/2013 01:30:44 PM)
29	14	11.7	500.0	Yes	5495.0MHz, -64.0dBm	Single burst (10/08/2013 01:30:51 PM)
30	15	12.9	338.0	Yes	5505.0MHz, -64.0dBm	Single burst (10/08/2013 01:30:59 PM)

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5500.0MHz, -64.0dBm
Trial #2	Detected	5495.0MHz, -64.0dBm
Trial #3	Detected	5505.0MHz, -64.0dBm
Trial #4	Detected	5500.0MHz, -64.0dBm
Trial #5	Detected	5495.0MHz, -64.0dBm
Trial #6	Detected	5505.0MHz, -64.0dBm
Trial #7	Detected	5500.0MHz, -64.0dBm
Trial #8	Detected	5495.0MHz, -64.0dBm
Trial #9	Detected	5505.0MHz, -64.0dBm
Trial #10	Detected	5500.0MHz, -64.0dBm
Trial #11	Detected	5495.0MHz, -64.0dBm
Trial #12	Detected	5505.0MHz, -64.0dBm
Trial #13	NOT Detected	5500.0MHz, -64.0dBm
Trial #14	Detected	5495.0MHz, -64.0dBm
Trial #15	NOT Detected	5505.0MHz, -64.0dBm
Trial #16	Detected	5500.0MHz, -64.0dBm
Trial #17	Detected	5495.0MHz, -64.0dBm
Trial #18	Detected	5505.0MHz, -64.0dBm
Trial #19	Detected	5500.0MHz, -64.0dBm

Table 50 - Long Sequence Waveform Summary 20MHz 2x2		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #20	Detected	5495.0MHz, -64.0dBm
Trial #21	Detected	5505.0MHz, -64.0dBm
Trial #22	Detected	5500.0MHz, -64.0dBm
Trial #23	NOT Detected	5495.0MHz, -64.0dBm
Trial #24	Detected	5505.0MHz, -64.0dBm
Trial #25	Detected	5500.0MHz, -64.0dBm
Trial #26	Detected	5495.0MHz, -64.0dBm
Trial #27	NOT Detected	5505.0MHz, -64.0dBm
Trial #28	Detected	5500.0MHz, -64.0dBm
Trial #29	Detected	5495.0MHz, -64.0dBm
Trial #30	NOT Detected	5505.0MHz, -64.0dBm

Table 51 - Long Sequence Waveform Trial#1 (Detected) 20MHz 2x2						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	56.5	17	1814.0	-	0.001260
2	3	92.5	12	1184.0	1354.0	1.324722
3	2	74.9	13	1410.0	-	2.240866
4	2	71.2	10	1195.0	-	3.134308
5	1	73.8	13	-	-	3.856375
6	1	89.7	17	-	-	5.459727
7	2	77.2	14	1391.0	-	5.630265
8	3	90.9	13	1527.0	1139.0	6.530659
9	1	75.9	9	-	-	8.033170
10	3	75.7	20	1926.0	1713.0	8.869335
11	3	62.6	10	1055.0	1817.0	9.888568
12	2	84.1	6	1066.0	-	10.681080
13	3	95.9	5	1122.0	1541.0	11.487445

Table 52 - Long Sequence Waveform Trial#2 (Detected) 20MHz 2x2						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	89.9	5	1371.0	1748.0	0.144770
2	2	68.6	13	1723.0	-	1.178376
3	2	77.6	8	1226.0	-	1.357647
4	1	75.9	16	-	-	1.913557
5	2	99.4	7	1461.0	-	2.941198
6	2	80.5	9	1339.0	-	3.316955
7	3	86.2	20	1375.0	1618.0	4.219102
8	2	51.1	13	1430.0	-	5.016528
9	2	54.2	14	1775.0	-	5.267954

Table 52 - Long Sequence Waveform Trial#2 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
10	2	99.9	8	1431.0	-	5.889458
11	2	99.8	15	1860.0	-	6.903852
12	2	81.6	10	1743.0	-	7.424332
13	3	75.8	10	1651.0	1865.0	8.166484
14	2	89.1	17	1623.0	-	8.585612
15	3	76.9	18	1770.0	1600.0	9.403989
16	2	57.0	13	1609.0	-	9.711905
17	3	82.1	5	1836.0	1035.0	10.342632
18	1	56.9	9	-	-	10.845047
19	2	97.5	12	1099.0	-	11.621553

Table 53 - Long Sequence Waveform Trial#3 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	76.5	10	1674.0	-	0.224749
2	3	91.0	18	1815.0	1896.0	1.216125
3	1	61.0	5	-	-	3.390620
4	2	61.7	6	1177.0	-	3.832835
5	2	92.6	11	1628.0	-	5.018513
6	2	69.6	7	1832.0	-	6.568925
7	1	57.5	10	-	-	8.392132
8	3	88.3	5	1638.0	1545.0	9.582799
9	2	92.6	16	1822.0	-	10.325505
10	1	96.0	12	-	-	11.738413

Table 54 - Long Sequence Waveform Trial#4 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	79.7	17	-	-	0.490349
2	3	97.0	19	1933.0	1813.0	1.315347
3	3	65.8	8	1160.0	1483.0	1.857120
4	3	94.7	7	1409.0	1224.0	2.403022
5	1	98.7	17	-	-	2.982287
6	2	75.3	10	1554.0	-	3.772817
7	2	88.0	11	1119.0	-	4.566867
8	3	56.3	12	1945.0	1437.0	5.059898
9	2	57.8	8	1057.0	-	5.988924
10	1	87.7	19	-	-	6.037583
11	2	66.9	18	1240.0	-	7.160283
12	1	67.6	6	-	-	7.427972
13	2	60.9	13	1890.0	-	8.501908
14	2	66.4	16	1152.0	-	9.126739
15	2	51.2	11	1895.0	-	9.445823
16	3	89.7	9	1377.0	1656.0	10.355061
17	2	76.8	6	1565.0	-	11.047783
18	1	61.1	6	-	-	11.849929

Table 55 - Long Sequence Waveform Trial#5 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	56.1	13	1687.0	1408.0	0.254406
2	2	53.9	7	1535.0	-	1.155112
3	1	99.0	8	-	-	2.064213
4	2	74.0	10	1511.0	-	2.527562
5	2	84.6	10	1720.0	-	3.412018
6	1	52.9	12	-	-	3.814723
7	1	56.7	18	-	-	4.583171
8	3	68.9	11	1715.0	1214.0	5.490451
9	2	68.5	19	1949.0	-	6.056562
10	2	56.9	10	1708.0	-	6.676594
11	2	61.9	16	1131.0	-	7.212780
12	2	53.1	7	1418.0	-	8.186828
13	3	73.4	17	1071.0	1432.0	8.589252
14	2	67.8	5	1136.0	-	9.376190
15	2	95.8	17	1516.0	-	10.451440
16	2	56.2	19	1247.0	-	10.937412
17	1	98.6	14	-	-	11.892558

Table 56 - Long Sequence Waveform Trial#6 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	80.6	8	1515.0	-	0.066215
2	2	75.4	10	1729.0	-	1.819112
3	3	79.0	18	1414.0	1659.0	2.330501
4	1	52.9	19	-	-	3.158878
5	2	69.7	8	1804.0	-	4.276823
6	2	89.2	13	1383.0	-	5.963900
7	2	69.1	7	1590.0	-	6.667437
8	2	76.9	13	1449.0	-	7.554581
9	3	78.9	10	1279.0	1868.0	8.779033
10	1	84.9	18	-	-	9.115022
11	2	83.4	19	1644.0	-	10.209012
12	2	82.4	10	1882.0	-	11.502168

Table 57 - Long Sequence Waveform Trial#7 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	50.0	19	1753.0	1988.0	0.536221
2	1	58.0	10	-	-	1.161314
3	1	72.1	12	-	-	2.086632
4	1	98.7	8	-	-	2.286417
5	1	74.4	13	-	-	3.412827
6	2	78.7	6	1131.0	-	4.224183
7	1	94.8	12	-	-	4.870763
8	3	75.0	10	1287.0	1532.0	5.265129
9	3	79.5	9	1212.0	1304.0	6.090849
10	1	97.2	6	-	-	6.402796
11	2	62.3	5	1580.0	-	7.081440
12	1	99.6	17	-	-	8.304263
13	1	59.4	13	-	-	8.807409
14	2	88.5	15	1539.0	-	9.508577
15	2	99.8	20	1653.0	-	10.020851

Table 57 - Long Sequence Waveform Trial#7 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
16	3	64.5	11	1600.0	1909.0	11.237821
17	2	85.8	18	1288.0	-	11.886512

Table 58 - Long Sequence Waveform Trial#8 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	73.2	16	1288.0	1211.0	0.219380
2	1	99.3	10	-	-	1.559234
3	2	98.0	19	1218.0	-	2.068875
4	3	60.5	18	1091.0	1924.0	3.036093
5	1	57.4	19	-	-	4.112053
6	2	83.5	11	1288.0	-	5.458414
7	3	53.0	10	1606.0	1904.0	6.407478
8	1	63.7	10	-	-	7.041230
9	3	61.9	11	1190.0	1561.0	7.747884
10	1	76.7	19	-	-	8.812301
11	3	71.2	7	1251.0	1731.0	9.697135
12	1	86.1	6	-	-	10.933025
13	3	87.6	8	1109.0	1015.0	11.616086

Table 59 - Long Sequence Waveform Trial#9 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	69.8	16	1287.0	-	0.538828
2	2	70.2	6	1291.0	-	2.340443
3	2	87.5	11	1217.0	-	3.182710
4	1	65.3	6	-	-	4.145324
5	2	75.6	12	1254.0	-	5.921670
6	2	73.5	18	1238.0	-	6.685017
7	3	97.8	19	1588.0	1926.0	7.899508
8	2	73.8	12	1376.0	-	9.024819
9	1	64.3	17	-	-	10.340684
10	3	82.2	14	1061.0	1263.0	11.451442

Table 60 - Long Sequence Waveform Trial#10 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	55.6	15	1622.0	1958.0	0.541038
2	2	68.2	9	1250.0	-	1.250595
3	2	85.2	7	1866.0	-	2.406978
4	2	77.7	8	1762.0	-	3.025903
5	1	85.0	19	-	-	3.629105
6	2	82.2	14	1158.0	-	4.784090
7	3	82.8	14	1855.0	1858.0	5.241883
8	2	50.6	7	1148.0	-	6.496063
9	3	58.6	16	1964.0	1265.0	7.198954
10	3	81.8	12	1066.0	1590.0	7.844390
11	2	90.0	8	1485.0	-	8.813511
12	1	63.0	6	-	-	9.965644

Table 60 - Long Sequence Waveform Trial#10 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
13	1	61.3	20	-	-	10.904574
14	1	96.4	9	-	-	11.720624

Table 61 - Long Sequence Waveform Trial#11 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	72.0	8	1589.0	-	0.113973
2	2	56.5	8	1839.0	-	1.621988
3	3	98.2	15	1143.0	1477.0	2.684120
4	3	67.0	8	1200.0	1652.0	4.731997
5	3	71.0	9	1112.0	1240.0	6.335942
6	2	95.3	17	1134.0	-	6.740803
7	2	76.6	12	1496.0	-	9.235547
8	2	85.7	6	1080.0	-	10.141679
9	3	90.8	14	1861.0	1629.0	11.555816

Table 62 - Long Sequence Waveform Trial#12 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	89.9	11	-	-	0.991339
2	2	82.4	16	1853.0	-	2.517391
3	1	65.2	7	-	-	2.850380
4	1	73.1	11	-	-	4.975821
5	3	52.6	19	1346.0	1144.0	5.831729
6	2	88.0	8	1473.0	-	7.896413
7	2	99.3	8	1731.0	-	8.248949
8	2	51.8	17	1148.0	-	10.116182
9	2	89.6	17	1486.0	-	11.068761

Table 63 - Long Sequence Waveform Trial#13 (NOT Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	50.7	20	1073.0	-	0.853425
2	2	76.0	8	1781.0	-	1.492078
3	1	68.8	15	-	-	3.508981
4	1	55.6	11	-	-	5.251828
5	2	78.5	11	1396.0	-	5.412331
6	2	57.3	9	1091.0	-	7.248312
7	2	54.6	14	1771.0	-	8.189852
8	1	92.2	15	-	-	10.587814
9	2	82.5	16	1587.0	-	10.798344

Table 64 - Long Sequence Waveform Trial#14 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	97.2	17	1489.0	1223.0	0.258277
2	3	95.2	18	1303.0	1401.0	0.683229
3	2	70.4	10	1760.0	-	1.439427

Table 64 - Long Sequence Waveform Trial#14 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
4	2	58.1	13	1404.0	-	2.232364
5	1	64.4	13	-	-	2.766628
6	2	55.3	6	1225.0	-	3.259163
7	1	83.7	15	-	-	4.139893
8	2	57.1	14	1431.0	-	4.686944
9	2	86.7	10	1312.0	-	5.668516
10	2	56.2	11	1525.0	-	5.836041
11	3	51.9	18	1540.0	1216.0	6.632773
12	3	50.6	16	1117.0	1135.0	7.146038
13	2	65.6	9	1529.0	-	7.872037
14	2	80.0	5	1279.0	-	8.814090
15	1	87.5	20	-	-	9.247261
16	2	52.2	13	1474.0	-	9.574014
17	3	80.5	15	1838.0	1415.0	10.275226
18	3	72.2	6	1902.0	1580.0	11.073547
19	2	90.6	13	1182.0	-	11.701764

Table 65 - Long Sequence Waveform Trial#15 (NOT Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	59.9	6	-	-	0.351408
2	2	83.1	6	1479.0	-	2.247488
3	1	79.3	18	-	-	2.843185
4	1	91.7	14	-	-	4.455266
5	1	95.1	9	-	-	6.233831
6	2	51.5	11	1334.0	-	6.681630
7	1	60.1	13	-	-	8.976010
8	2	80.5	11	1130.0	-	10.093048
9	1	53.4	13	-	-	10.983883

Table 66 - Long Sequence Waveform Trial#16 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	71.7	16	1709.0	-	0.668934
2	3	68.7	16	1509.0	1658.0	1.611978
3	3	77.7	15	1876.0	1721.0	3.407533
4	2	56.8	16	1589.0	-	4.316525
5	2	73.4	14	1183.0	-	5.853038
6	3	68.1	7	1896.0	1134.0	7.459230
7	2	75.9	5	1024.0	-	8.823418
8	1	90.3	15	-	-	10.207192
9	2	87.1	9	1774.0	-	10.717315

Table 67 - Long Sequence Waveform Trial#17 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	66.7	6	-	-	0.551468
2	2	84.7	9	1858.0	-	1.403976
3	2	55.4	12	1907.0	-	1.553738

Table 67 - Long Sequence Waveform Trial#17 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
4	3	62.2	15	1982.0	1130.0	2.795310
5	3	63.7	11	1735.0	1483.0	2.883533
6	2	67.8	12	1377.0	-	4.043892
7	1	69.1	13	-	-	4.569204
8	1	66.4	18	-	-	5.486966
9	2	72.1	18	1396.0	-	6.305694
10	2	59.1	14	1536.0	-	6.959246
11	2	72.9	18	1184.0	-	7.147727
12	1	90.7	11	-	-	8.008760
13	1	80.6	16	-	-	8.930839
14	2	78.1	9	1482.0	-	9.218704
15	2	52.2	7	1474.0	-	10.320649
16	2	55.5	13	1624.0	-	11.254483
17	2	98.7	11	1107.0	-	11.527165

Table 68 - Long Sequence Waveform Trial#18 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	64.6	11	1082.0	1429.0	0.293339
2	3	75.5	18	1401.0	1611.0	0.902182
3	1	91.2	9	-	-	1.458844
4	2	95.2	16	1064.0	-	2.282088
5	2	61.3	11	1906.0	-	2.766521
6	2	97.6	19	1347.0	-	3.233540
7	3	84.5	12	1952.0	1700.0	4.340956
8	3	87.6	19	1961.0	1592.0	4.430629
9	2	94.3	8	1629.0	-	5.278966
10	1	70.2	16	-	-	6.221286
11	2	84.1	14	1470.0	-	6.844676
12	2	67.5	10	1593.0	-	7.041882
13	1	83.7	8	-	-	7.635600
14	1	90.6	20	-	-	8.301915
15	2	77.1	8	1851.0	-	9.308172
16	1	72.9	18	-	-	9.968432
17	2	66.5	18	1001.0	-	10.518198
18	3	74.6	18	1047.0	1486.0	11.145087
19	1	89.3	17	-	-	11.977266

Table 69 - Long Sequence Waveform Trial#19 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.3	5	1364.0	-	0.532613
2	3	56.7	13	1583.0	1439.0	0.997487
3	1	51.3	15	-	-	1.756936
4	2	50.8	16	1565.0	-	1.959317
5	2	60.7	17	1568.0	-	2.533894
6	3	62.8	18	1434.0	1887.0	3.194666
7	3	64.1	5	1416.0	1661.0	3.696334
8	2	54.4	9	1540.0	-	4.461001
9	3	63.7	6	1645.0	1457.0	5.040564

Table 69 - Long Sequence Waveform Trial#19 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
10	1	63.0	7	-	-	5.836576
11	2	61.2	10	1365.0	-	6.059856
12	3	98.2	20	1171.0	1859.0	6.867888
13	2	52.4	16	1294.0	-	7.269023
14	2	59.8	10	1495.0	-	7.915260
15	3	74.5	9	1410.0	1318.0	8.738760
16	2	75.9	18	1059.0	-	9.130856
17	1	54.0	15	-	-	9.744099
18	2	77.9	16	1534.0	-	10.659320
19	2	97.5	9	1495.0	-	11.377331
20	2	51.9	17	1943.0	-	11.823883

Table 70 - Long Sequence Waveform Trial#20 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	96.1	6	1037.0	1011.0	0.189077
2	2	61.4	15	1858.0	-	1.158989
3	2	54.3	18	1190.0	-	1.697286
4	2	95.7	10	1472.0	-	2.923584
5	1	93.9	8	-	-	3.191718
6	3	73.8	13	1869.0	1262.0	3.921561
7	2	71.9	19	1567.0	-	4.555239
8	2	84.1	14	1331.0	-	5.534193
9	2	81.3	6	1747.0	-	6.318446
10	2	54.4	6	1287.0	-	7.231236
11	3	88.1	7	1491.0	1369.0	7.842483
12	3	79.1	16	1843.0	1368.0	8.838302
13	2	71.6	17	1169.0	-	9.038184
14	1	56.5	8	-	-	9.951147
15	3	70.7	17	1327.0	1028.0	11.043463
16	2	85.9	7	1550.0	-	11.771712

Table 71 - Long Sequence Waveform Trial#21 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	74.9	7	1354.0	1770.0	0.322376
2	3	99.7	15	1434.0	1998.0	1.141833
3	2	68.6	7	1536.0	-	1.795162
4	1	83.1	19	-	-	2.480932
5	1	73.2	6	-	-	2.692225
6	1	59.0	10	-	-	3.337892
7	3	83.5	5	1607.0	1128.0	4.308544
8	1	60.8	5	-	-	4.480821
9	2	87.5	8	1375.0	-	5.548159
10	3	96.1	18	1631.0	1766.0	6.309777
11	2	92.0	11	1199.0	-	6.398345
12	1	100.0	20	-	-	7.260177
13	1	55.6	11	-	-	8.068171
14	2	52.2	9	1692.0	-	8.408162
15	1	83.6	14	-	-	9.390970

Table 71 - Long Sequence Waveform Trial#21 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
16	2	62.8	12	1246.0	-	10.092566
17	1	62.7	14	-	-	10.281474
18	3	66.6	14	1348.0	1099.0	10.816049
19	2	89.8	16	1745.0	-	11.504779

Table 72 - Long Sequence Waveform Trial#22 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.9	15	1180.0	-	0.626724
2	1	93.6	17	-	-	2.161735
3	3	70.4	14	1936.0	1671.0	3.661085
4	1	56.2	11	-	-	4.369258
5	3	67.9	5	1330.0	1501.0	6.196981
6	2	77.1	8	1989.0	-	7.139747
7	1	52.4	9	-	-	8.391501
8	3	59.3	19	1234.0	1040.0	10.588167
9	2	66.3	14	1616.0	-	11.020218

Table 73 - Long Sequence Waveform Trial#23 (NOT Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	64.5	18	1373.0	1175.0	0.515689
2	1	80.2	16	-	-	2.394237
3	1	80.1	12	-	-	3.485275
4	2	90.4	12	1955.0	-	5.085388
5	2	86.1	15	1288.0	-	5.796295
6	2	75.9	19	1663.0	-	7.063058
7	1	54.0	11	-	-	8.414468
8	1	87.0	6	-	-	9.554906
9	2	93.2	10	1800.0	-	11.737554

Table 74 - Long Sequence Waveform Trial#24 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	90.3	20	-	-	0.498563
2	3	62.5	5	1550.0	1658.0	1.296830
3	3	90.5	14	1599.0	1508.0	2.247849
4	3	63.0	8	1464.0	1184.0	3.391021
5	2	82.0	14	1648.0	-	4.088179
6	2	79.9	10	1892.0	-	4.621779
7	2	58.7	8	1043.0	-	5.435111
8	3	85.3	6	1142.0	1951.0	6.703556
9	1	53.7	17	-	-	6.992684
10	3	76.3	17	1035.0	1804.0	7.879048
11	2	87.1	5	1428.0	-	9.308293
12	3	86.2	6	1756.0	1598.0	10.152927
13	1	50.4	18	-	-	10.781906
14	2	59.6	6	1603.0	-	11.743923

Table 75 - Long Sequence Waveform Trial#25 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	89.7	9	1009.0	-	0.614841
2	2	84.6	12	1385.0	-	1.975413
3	2	92.5	6	1289.0	-	2.966313
4	1	81.8	6	-	-	4.137403
5	2	72.6	6	1181.0	-	5.163259
6	3	82.1	12	1485.0	1112.0	6.124801
7	3	52.5	18	1217.0	1634.0	7.363713
8	2	81.2	7	1130.0	-	8.457849
9	2	86.8	12	1219.0	-	8.768935
10	1	84.2	19	-	-	10.611216
11	3	79.6	10	1424.0	1038.0	10.942264

Table 76 - Long Sequence Waveform Trial#26 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	74.0	11	1205.0	1791.0	0.810894
2	3	54.5	12	1701.0	1912.0	0.958569
3	2	65.1	15	1089.0	-	1.916699
4	2	90.4	7	1198.0	-	3.655257
5	2	75.6	6	1021.0	-	4.139191
6	1	71.1	15	-	-	5.434866
7	2	56.7	9	1985.0	-	6.054053
8	2	69.4	16	1847.0	-	7.178733
9	3	82.0	8	1363.0	1739.0	7.752895
10	1	79.6	13	-	-	9.091337
11	1	76.3	9	-	-	9.899081
12	3	72.6	19	1697.0	1270.0	10.350240
13	2	89.4	6	1129.0	-	11.411943

Table 77 - Long Sequence Waveform Trial#27 (NOT Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	51.7	7	-	-	0.868635
2	2	57.2	19	1357.0	-	2.266729
3	2	65.3	7	1388.0	-	3.736459
4	2	91.3	5	1291.0	-	4.841499
5	2	67.0	11	1159.0	-	6.583134
6	2	64.6	20	1839.0	-	7.236302
7	2	89.9	13	1902.0	-	8.016672
8	2	54.0	11	1874.0	-	9.846150
9	1	75.8	19	-	-	11.265323

Table 78 - Long Sequence Waveform Trial#28 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.9	10	1326.0	-	0.549971
2	2	69.0	8	1938.0	-	2.756480
3	2	57.2	6	1038.0	-	3.998345
4	2	81.6	8	1445.0	-	5.785587

Table 78 - Long Sequence Waveform Trial#28 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
5	2	50.2	18	1583.0	-	6.666550
6	1	57.0	16	-	-	8.355261
7	2	82.1	8	1734.0	-	9.530518
8	3	61.1	9	1021.0	1512.0	11.361435

Table 79 - Long Sequence Waveform Trial#29 (Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	86.0	10	-	-	0.102702
2	2	66.3	10	1208.0	-	1.680258
3	2	65.8	6	1735.0	-	2.520345
4	3	64.6	8	1002.0	1274.0	2.737111
5	2	50.8	10	1410.0	-	4.258069
6	3	62.6	7	1715.0	1499.0	4.346449
7	1	72.3	6	-	-	5.484229
8	1	51.2	6	-	-	6.049813
9	3	93.0	18	1934.0	1508.0	7.628392
10	2	86.5	5	1912.0	-	8.206622
11	1	88.6	6	-	-	8.729466
12	1	89.1	8	-	-	9.727498
13	1	57.5	8	-	-	10.754827
14	2	69.9	16	1330.0	-	11.607236

Table 80 - Long Sequence Waveform Trial#30 (NOT Detected) 20MHz 2x2

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	69.6	17	1179.0	-	0.361068
2	2	71.1	18	1523.0	-	1.793453
3	2	63.5	19	1950.0	-	3.956150
4	1	80.5	6	-	-	4.346207
5	1	77.9	11	-	-	6.288548
6	1	81.0	16	-	-	7.625780
7	3	58.0	20	1434.0	1224.0	8.900650
8	3	65.8	17	1922.0	1696.0	9.792838
9	2	78.1	17	1839.0	-	11.954253

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5668, 5558, 5559, 5488, 5292, 5372, 5466, 5301, 5275, 5523, 5723, 5274, 5420, 5539, 5315, 5418, 5316, 5675, 5446, 5541, 5503, 5306, 5608, 5472, 5585, 5289, 5704, 5410, 5601, 5505, 5467, 5640, 5635, 5676, 5255, 5581, 5312, 5678, 5582, 5661, 5287, 5659, 5380, 5324, 5417, 5405, 5497, 5383, 5286, 5402, 5344, 5624, 5588, 5634, 5392, 5690, 5617, 5279, 5597, 5337, 5341, 5711, 5501, 5414, 5568, 5308, 5443, 5603, 5646, 5516, 5609, 5377, 5408, 5506, 5499, 5579, 5713, 5537, 5369, 5606, 5650, 5425, 5332, 5493, 5326, 5483, 5638, 5490, 5338, 5352, 5262, 5283, 5552, 5449, 5256, 5428, 5448, 5379, 5517, 5613 (7 hits) (10/08/2013 02:45:12 PM)
2	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5424, 5505, 5489, 5264, 5279, 5705, 5493, 5545, 5710, 5408, 5303, 5621, 5529, 5287, 5410, 5670, 5443, 5436, 5471, 5583, 5349, 5679, 5334, 5694, 5627, 5666, 5253, 5692, 5601, 5313, 5283, 5371, 5366, 5257, 5499, 5654, 5598, 5335, 5526, 5468, 5309, 5659, 5456, 5473, 5597, 5681, 5617, 5306, 5645, 5686, 5340, 5540, 5565, 5643, 5506, 5329, 5611, 5668, 5569, 5657, 5538, 5333, 5378, 5281, 5350, 5591, 5646, 5327, 5352, 5532, 5261, 5297, 5449, 5498, 5697, 5278, 5411, 5271, 5477, 5394, 5524, 5483, 5618, 5474, 5690, 5377, 5523, 5301, 5604, 5255, 5372, 5440, 5284, 5317, 5355, 5451, 5649, 5650, 5544, 5433 (5 hits) (10/08/2013 02:48:38 PM)

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5266, 5319, 5511, 5314, 5267, 5387, 5252, 5686, 5585, 5557, 5375, 5606, 5724, 5361, 5468, 5316, 5464, 5576, 5389, 5542, 5327, 5374, 5684, 5383, 5709, 5646, 5667, 5388, 5665, 5255, 5713, 5281, 5704, 5459, 5575, 5516, 5296, 5587, 5514, 5455, 5330, 5505, 5321, 5447, 5470, 5502, 5395, 5543, 5265, 5596, 5531, 5675, 5592, 5465, 5651, 5298, 5335, 5654, 5501, 5478, 5601, 5415, 5685, 5693, 5725, 5482, 5650, 5526, 5638, 5445, 5412, 5325, 5658, 5574, 5378, 5264, 5473, 5279, 5711, 5379, 5467, 5341, 5602, 5687, 5619, 5664, 5480, 5562, 5630, 5541, 5535, 5641, 5627, 5472, 5271, 5349, 5251, 5571, 5523, 5593 (3 hits) (10/08/2013 02:48:49 PM)
4	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5342, 5441, 5477, 5625, 5652, 5520, 5687, 5573, 5478, 5300, 5256, 5636, 5539, 5549, 5376, 5367, 5543, 5480, 5575, 5496, 5586, 5576, 5471, 5612, 5372, 5271, 5440, 5531, 5396, 5648, 5716, 5517, 5443, 5455, 5278, 5361, 5287, 5378, 5502, 5305, 5594, 5446, 5444, 5412, 5515, 5700, 5407, 5381, 5340, 5680, 5602, 5400, 5409, 5491, 5314, 5460, 5683, 5581, 5288, 5425, 5329, 5275, 5417, 5463, 5266, 5588, 5351, 5704, 5448, 5485, 5270, 5286, 5558, 5596, 5349, 5421, 5525, 5434, 5419, 5436, 5547, 5291, 5475, 5617, 5499, 5451, 5598, 5360, 5696, 5608, 5269, 5383, 5313, 5260, 5335, 5556, 5318, 5563, 5272, 5714 (3 hits) (10/08/2013 02:49:02 PM)
5	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5423, 5333, 5640, 5720, 5620, 5519, 5346, 5260, 5654, 5404, 5595, 5368, 5532, 5661, 5679, 5712, 5651, 5287, 5370, 5663, 5590, 5559, 5703, 5324, 5665, 5289, 5694, 5459, 5259, 5386, 5313, 5493, 5548, 5667, 5477, 5382, 5314, 5441, 5265, 5268, 5692, 5569, 5719, 5345, 5312, 5330, 5695, 5583, 5655, 5450, 5586, 5267, 5398,

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5540, 5634, 5482, 5486, 5501, 5341, 5594, 5470, 5286, 5408, 5388, 5716, 5448, 5664, 5492, 5628, 5293, 5309, 5629, 5530, 5358, 5700, 5624, 5300, 5464, 5320, 5307, 5707, 5294, 5596, 5261, 5625, 5565, 5630, 5269, 5578, 5683, 5639, 5434, 5270, 5638, 5564, 5334, 5337, 5415, 5443, 5606 (3 hits) (10/08/2013 02:49:12 PM)
6	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5668, 5341, 5690, 5564, 5408, 5438, 5376, 5617, 5450, 5397, 5406, 5487, 5322, 5299, 5582, 5250, 5437, 5264, 5278, 5360, 5698, 5529, 5667, 5569, 5625, 5343, 5419, 5595, 5502, 5503, 5611, 5447, 5481, 5330, 5509, 5722, 5285, 5303, 5422, 5630, 5347, 5253, 5593, 5307, 5573, 5606, 5532, 5428, 5429, 5594, 5568, 5544, 5710, 5525, 5440, 5711, 5714, 5603, 5436, 5321, 5644, 5618, 5679, 5457, 5621, 5482, 5546, 5287, 5404, 5403, 5331, 5410, 5318, 5335, 5292, 5571, 5654, 5324, 5279, 5656, 5354, 5464, 5283, 5520, 5638, 5693, 5680, 5709, 5344, 5400, 5561, 5586, 5581, 5620, 5559, 5671, 5691, 5724, 5536, 5302 (2 hits) (10/08/2013 02:49:19 PM)
7	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5521, 5511, 5626, 5295, 5719, 5528, 5366, 5305, 5568, 5308, 5393, 5394, 5606, 5430, 5325, 5333, 5698, 5648, 5560, 5671, 5577, 5572, 5660, 5275, 5477, 5389, 5368, 5373, 5473, 5559, 5603, 5444, 5578, 5311, 5340, 5457, 5279, 5422, 5446, 5587, 5601, 5418, 5703, 5716, 5576, 5710, 5431, 5357, 5723, 5570, 5641, 5624, 5543, 5670, 5565, 5556, 5715, 5685, 5454, 5322, 5717, 5517, 5309, 5266, 5344, 5276, 5265, 5362, 5439, 5491, 5358, 5470, 5447, 5638, 5342, 5706, 5277, 5654, 5280, 5690, 5600, 5514, 5629, 5337, 5448, 5680, 5375, 5691, 5672, 5397, 5675, 5434, 5396, 5595, 5495, 5544, 5613, 5262, 5432, 5550 (1 hits) (10/08/2013 02:49:28 PM)

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5369, 5661, 5571, 5584, 5536, 5713, 5482, 5404, 5670, 5677, 5458, 5449, 5438, 5389, 5430, 5324, 5720, 5491, 5607, 5541, 5651, 5710, 5655, 5351, 5299, 5279, 5602, 5327, 5618, 5484, 5498, 5348, 5424, 5633, 5467, 5406, 5332, 5414, 5357, 5452, 5308, 5379, 5302, 5434, 5700, 5314, 5530, 5534, 5265, 5616, 5440, 5448, 5673, 5476, 5253, 5525, 5470, 5422, 5377, 5426, 5393, 5521, 5576, 5325, 5268, 5565, 5447, 5270, 5376, 5401, 5569, 5352, 5691, 5650, 5459, 5503, 5568, 5437, 5441, 5306, 5701, 5683, 5678, 5405, 5649, 5620, 5326, 5395, 5563, 5478, 5276, 5410, 5274, 5587, 5363, 5703, 5495, 5317, 5685, 5665 (3 hits) (10/08/2013 02:49:36 PM)
9	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5270, 5591, 5581, 5549, 5554, 5691, 5484, 5292, 5445, 5615, 5477, 5259, 5262, 5574, 5298, 5683, 5644, 5589, 5407, 5294, 5686, 5654, 5296, 5726, 5716, 5285, 5377, 5370, 5580, 5594, 5433, 5552, 5561, 5398, 5485, 5723, 5295, 5545, 5714, 5274, 5664, 5420, 5346, 5462, 5297, 5652, 5404, 5702, 5481, 5304, 5586, 5271, 5414, 5366, 5499, 5313, 5647, 5256, 5344, 5533, 5466, 5476, 5394, 5719, 5263, 5454, 5354, 5478, 5516, 5637, 5349, 5502, 5417, 5628, 5305, 5495, 5272, 5703, 5471, 5551, 5528, 5709, 5401, 5318, 5320, 5521, 5452, 5301, 5425, 5514, 5491, 5458, 5356, 5416, 5338, 5526, 5556, 5640, 5630, 5662 (3 hits) (10/08/2013 02:49:44 PM)
10	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5538, 5603, 5344, 5322, 5625, 5404, 5260, 5488, 5496, 5562, 5368, 5644, 5275, 5624, 5720, 5651, 5292, 5721, 5629, 5642, 5376, 5272, 5583, 5725, 5658, 5714, 5609, 5431, 5550, 5549, 5384, 5663, 5474, 5464, 5504, 5567, 5580, 5667, 5534, 5462, 5572, 5647, 5302, 5389, 5294, 5596, 5681, 5649, 5306, 5717, 5387, 5669, 5449,

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5486, 5413, 5407, 5290, 5650, 5661, 5614, 5500, 5576, 5619, 5574, 5422, 5653, 5361, 5524, 5351, 5522, 5530, 5495, 5363, 5352, 5623, 5670, 5545, 5606, 5419, 5531, 5633, 5652, 5613, 5547, 5390, 5364, 5259, 5507, 5680, 5316, 5526, 5321, 5523, 5639, 5345, 5708, 5631, 5312, 5552, 5280 (5 hits) (10/08/2013 02:51:25 PM)
11	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5631, 5512, 5499, 5323, 5700, 5579, 5463, 5368, 5596, 5511, 5269, 5441, 5685, 5428, 5443, 5314, 5392, 5353, 5260, 5561, 5329, 5671, 5722, 5313, 5662, 5363, 5316, 5616, 5333, 5309, 5710, 5542, 5380, 5526, 5427, 5639, 5284, 5458, 5491, 5271, 5597, 5421, 5306, 5431, 5699, 5496, 5466, 5723, 5315, 5453, 5531, 5623, 5697, 5367, 5432, 5255, 5361, 5489, 5354, 5605, 5294, 5705, 5370, 5704, 5256, 5340, 5460, 5695, 5343, 5320, 5674, 5477, 5263, 5490, 5445, 5549, 5717, 5325, 5393, 5637, 5658, 5532, 5398, 5689, 5518, 5406, 5345, 5564, 5519, 5287, 5485, 5418, 5273, 5464, 5487, 5285, 5678, 5643, 5292, 5714 (2 hits) (10/08/2013 02:51:37 PM)
12	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5340, 5603, 5654, 5386, 5663, 5481, 5463, 5431, 5710, 5555, 5263, 5684, 5634, 5255, 5372, 5400, 5314, 5590, 5584, 5288, 5544, 5619, 5551, 5575, 5297, 5429, 5543, 5448, 5307, 5454, 5685, 5516, 5264, 5306, 5424, 5467, 5395, 5711, 5348, 5250, 5327, 5645, 5375, 5265, 5638, 5469, 5396, 5505, 5309, 5680, 5394, 5347, 5529, 5687, 5401, 5582, 5615, 5447, 5604, 5519, 5367, 5491, 5364, 5571, 5675, 5635, 5633, 5559, 5659, 5450, 5594, 5521, 5294, 5475, 5270, 5672, 5627, 5632, 5446, 5251, 5653, 5443, 5532, 5554, 5262, 5702, 5332, 5318, 5420, 5412, 5720, 5474, 5595, 5369, 5272, 5455, 5299, 5724, 5657, 5681 (1 hits) (10/08/2013 02:51:44 PM)

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5325, 5386, 5468, 5435, 5612, 5543, 5721, 5603, 5536, 5425, 5416, 5566, 5495, 5626, 5348, 5625, 5657, 5458, 5482, 5505, 5368, 5651, 5418, 5723, 5520, 5455, 5585, 5577, 5530, 5412, 5469, 5493, 5494, 5470, 5539, 5422, 5572, 5427, 5433, 5548, 5590, 5638, 5573, 5688, 5419, 5604, 5629, 5474, 5376, 5580, 5599, 5523, 5606, 5475, 5262, 5722, 5611, 5294, 5430, 5608, 5546, 5324, 5261, 5682, 5471, 5362, 5341, 5349, 5671, 5522, 5300, 5459, 5529, 5421, 5667, 5685, 5286, 5511, 5410, 5483, 5383, 5409, 5268, 5597, 5717, 5438, 5315, 5676, 5581, 5510, 5389, 5598, 5437, 5399, 5322, 5593, 5333, 5557, 5696, 5450 (4 hits) (10/08/2013 02:51:54 PM)
14	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5269, 5386, 5413, 5520, 5645, 5313, 5363, 5648, 5323, 5537, 5523, 5459, 5320, 5544, 5530, 5564, 5673, 5342, 5264, 5550, 5423, 5678, 5325, 5511, 5304, 5307, 5308, 5453, 5708, 5714, 5603, 5674, 5456, 5658, 5659, 5604, 5531, 5340, 5651, 5665, 5591, 5261, 5627, 5322, 5625, 5317, 5430, 5643, 5600, 5479, 5447, 5680, 5641, 5421, 5514, 5408, 5356, 5646, 5394, 5290, 5710, 5468, 5595, 5609, 5541, 5655, 5420, 5684, 5707, 5613, 5689, 5278, 5631, 5654, 5509, 5662, 5405, 5270, 5321, 5615, 5383, 5691, 5720, 5583, 5335, 5349, 5319, 5360, 5515, 5623, 5279, 5348, 5486, 5409, 5685, 5399, 5441, 5620, 5262, 5505 (1 hits) (10/08/2013 02:52:09 PM)
15	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5675, 5433, 5491, 5445, 5655, 5338, 5704, 5475, 5570, 5633, 5364, 5512, 5572, 5482, 5634, 5466, 5680, 5574, 5619, 5722, 5425, 5420, 5366, 5264, 5447, 5381, 5465, 5300, 5685, 5607, 5307, 5498, 5360, 5431, 5502, 5268, 5359, 5683, 5271, 5380, 5582, 5259, 5628, 5280, 5463, 5614, 5314, 5723, 5344, 5337, 5598, 5295, 5624,

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5335, 5274, 5410, 5347, 5316, 5260, 5664, 5407, 5703, 5428, 5284, 5350, 5298, 5437, 5560, 5267, 5472, 5261, 5283, 5693, 5434, 5370, 5310, 5377, 5329, 5716, 5630, 5272, 5411, 5545, 5577, 5590, 5525, 5321, 5644, 5400, 5319, 5406, 5521, 5580, 5610, 5688, 5720, 5456, 5426, 5443, 5552 (2 hits) (10/08/2013 02:52:18 PM)
16	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5583, 5546, 5454, 5639, 5516, 5438, 5392, 5567, 5409, 5559, 5500, 5508, 5348, 5719, 5423, 5467, 5649, 5441, 5616, 5368, 5359, 5664, 5688, 5468, 5685, 5386, 5428, 5607, 5425, 5404, 5477, 5645, 5383, 5491, 5465, 5379, 5420, 5440, 5418, 5285, 5298, 5331, 5488, 5479, 5696, 5435, 5489, 5653, 5595, 5647, 5255, 5662, 5724, 5638, 5476, 5288, 5274, 5650, 5523, 5581, 5666, 5632, 5360, 5432, 5683, 5421, 5258, 5577, 5557, 5251, 5309, 5717, 5651, 5403, 5627, 5338, 5622, 5486, 5263, 5669, 5351, 5312, 5451, 5594, 5497, 5555, 5315, 5689, 5308, 5380, 5620, 5484, 5299, 5388, 5339, 5545, 5427, 5619, 5304, 5446 (3 hits) (10/08/2013 02:52:28 PM)
17	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5305, 5397, 5457, 5269, 5383, 5562, 5542, 5314, 5408, 5487, 5300, 5375, 5603, 5328, 5680, 5504, 5411, 5393, 5529, 5392, 5626, 5530, 5582, 5419, 5549, 5698, 5254, 5333, 5467, 5425, 5382, 5287, 5488, 5312, 5697, 5320, 5484, 5329, 5546, 5322, 5635, 5407, 5347, 5539, 5470, 5272, 5725, 5527, 5466, 5258, 5589, 5402, 5556, 5311, 5512, 5282, 5372, 5670, 5281, 5632, 5455, 5459, 5275, 5561, 5569, 5493, 5401, 5473, 5553, 5368, 5718, 5363, 5712, 5261, 5450, 5535, 5432, 5413, 5421, 5274, 5548, 5406, 5263, 5671, 5452, 5690, 5351, 5716, 5657, 5692, 5613, 5596, 5543, 5479, 5574, 5291, 5646, 5633, 5365, 5313 (2 hits) (10/08/2013 02:52:37 PM)

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
18	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5527, 5393, 5440, 5484, 5529, 5267, 5726, 5627, 5545, 5310, 5639, 5592, 5406, 5536, 5534, 5276, 5356, 5445, 5349, 5394, 5451, 5698, 5277, 5496, 5258, 5411, 5564, 5525, 5630, 5707, 5562, 5697, 5493, 5550, 5410, 5374, 5401, 5624, 5578, 5459, 5309, 5622, 5328, 5472, 5487, 5284, 5289, 5711, 5294, 5514, 5367, 5572, 5664, 5683, 5597, 5337, 5632, 5499, 5492, 5488, 5389, 5670, 5402, 5460, 5669, 5653, 5329, 5339, 5252, 5717, 5392, 5540, 5573, 5692, 5587, 5544, 5335, 5607, 5614, 5612, 5659, 5517, 5691, 5509, 5703, 5565, 5465, 5658, 5281, 5409, 5366, 5686, 5621, 5476, 5640, 5420, 5348, 5468, 5712, 5419 (4 hits) (10/08/2013 02:53:13 PM)
19	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5710, 5295, 5682, 5686, 5663, 5552, 5331, 5533, 5405, 5479, 5617, 5414, 5542, 5534, 5719, 5263, 5529, 5427, 5640, 5567, 5478, 5652, 5500, 5313, 5649, 5636, 5692, 5677, 5523, 5581, 5547, 5426, 5473, 5315, 5646, 5618, 5387, 5709, 5347, 5308, 5506, 5290, 5653, 5292, 5684, 5305, 5376, 5330, 5360, 5610, 5515, 5572, 5419, 5280, 5598, 5385, 5397, 5402, 5258, 5657, 5396, 5583, 5488, 5260, 5302, 5591, 5431, 5484, 5299, 5555, 5285, 5573, 5487, 5415, 5374, 5417, 5382, 5443, 5602, 5416, 5674, 5274, 5325, 5383, 5512, 5468, 5720, 5411, 5615, 5662, 5310, 5276, 5393, 5700, 5453, 5687, 5350, 5464, 5578, 5298 (2 hits) (10/08/2013 02:53:28 PM)
20	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5545, 5660, 5547, 5688, 5474, 5607, 5592, 5348, 5546, 5482, 5526, 5606, 5263, 5449, 5420, 5345, 5459, 5697, 5371, 5590, 5326, 5458, 5655, 5620, 5544, 5515, 5685, 5428, 5639, 5554, 5418, 5565, 5322, 5372, 5643, 5552, 5504, 5264, 5713, 5434, 5419, 5324, 5399, 5379, 5689, 5510, 5457, 5456, 5481, 5598, 5488, 5366, 5360,

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5615, 5435, 5583, 5393, 5443, 5438, 5490, 5304, 5291, 5576, 5512, 5424, 5447, 5405, 5596, 5725, 5637, 5710, 5463, 5425, 5485, 5361, 5469, 5483, 5260, 5674, 5473, 5518, 5561, 5491, 5622, 5611, 5716, 5313, 5299, 5703, 5669, 5534, 5475, 5394, 5275, 5717, 5647, 5285, 5694, 5256, 5524 (1 hits) (10/08/2013 02:53:37 PM)
21	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5432, 5311, 5421, 5658, 5252, 5473, 5266, 5513, 5608, 5345, 5724, 5281, 5572, 5441, 5388, 5365, 5467, 5550, 5434, 5482, 5308, 5604, 5637, 5518, 5298, 5350, 5551, 5648, 5509, 5437, 5275, 5698, 5282, 5508, 5305, 5631, 5301, 5420, 5515, 5616, 5548, 5653, 5320, 5287, 5291, 5334, 5678, 5410, 5623, 5665, 5573, 5621, 5530, 5664, 5522, 5454, 5527, 5317, 5369, 5619, 5324, 5261, 5344, 5674, 5251, 5337, 5667, 5554, 5488, 5458, 5409, 5707, 5517, 5535, 5273, 5559, 5603, 5663, 5720, 5367, 5443, 5660, 5459, 5414, 5700, 5668, 5537, 5656, 5484, 5268, 5544, 5574, 5481, 5260, 5721, 5695, 5696, 5349, 5704, 5331 (1 hits) (10/08/2013 02:53:47 PM)
22	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5673, 5696, 5257, 5541, 5362, 5407, 5527, 5311, 5423, 5571, 5382, 5657, 5304, 5286, 5324, 5489, 5258, 5687, 5354, 5458, 5721, 5342, 5426, 5372, 5709, 5277, 5267, 5613, 5378, 5339, 5678, 5483, 5355, 5353, 5300, 5510, 5579, 5558, 5464, 5699, 5274, 5280, 5386, 5370, 5715, 5679, 5325, 5330, 5624, 5689, 5317, 5677, 5344, 5333, 5697, 5410, 5434, 5414, 5323, 5468, 5436, 5335, 5505, 5276, 5511, 5424, 5316, 5609, 5566, 5492, 5366, 5711, 5465, 5455, 5685, 5716, 5626, 5634, 5649, 5396, 5281, 5627, 5389, 5444, 5521, 5671, 5327, 5476, 5264, 5367, 5334, 5431, 5710, 5659, 5537, 5528, 5551, 5636, 5345, 5698 (2 hits) (10/08/2013 02:54:03 PM)

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5644, 5270, 5693, 5322, 5531, 5510, 5494, 5547, 5653, 5622, 5258, 5316, 5708, 5548, 5551, 5681, 5709, 5577, 5584, 5611, 5289, 5285, 5713, 5341, 5675, 5467, 5496, 5537, 5608, 5373, 5382, 5627, 5673, 5663, 5603, 5575, 5268, 5264, 5404, 5593, 5706, 5397, 5332, 5665, 5296, 5677, 5365, 5331, 5638, 5650, 5562, 5288, 5426, 5326, 5280, 5664, 5686, 5532, 5361, 5524, 5394, 5700, 5546, 5430, 5493, 5428, 5471, 5345, 5519, 5492, 5462, 5349, 5719, 5300, 5362, 5440, 5438, 5657, 5347, 5500, 5690, 5679, 5516, 5495, 5539, 5457, 5570, 5442, 5293, 5469, 5308, 5587, 5305, 5642, 5324, 5277, 5357, 5568, 5621, 5561 (6 hits) (10/08/2013 02:54:11 PM)
24	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5318, 5504, 5706, 5270, 5680, 5382, 5414, 5528, 5296, 5703, 5627, 5634, 5333, 5391, 5440, 5564, 5301, 5567, 5446, 5254, 5413, 5356, 5277, 5263, 5353, 5395, 5428, 5697, 5328, 5401, 5450, 5625, 5331, 5688, 5462, 5601, 5579, 5271, 5252, 5550, 5300, 5439, 5251, 5441, 5287, 5375, 5580, 5639, 5617, 5506, 5693, 5643, 5673, 5668, 5521, 5585, 5351, 5335, 5615, 5709, 5482, 5572, 5606, 5427, 5699, 5253, 5519, 5556, 5279, 5350, 5599, 5449, 5304, 5374, 5708, 5480, 5474, 5610, 5422, 5593, 5558, 5685, 5282, 5640, 5560, 5694, 5650, 5436, 5458, 5466, 5483, 5399, 5255, 5511, 5256, 5327, 5471, 5682, 5411, 5667 (2 hits) (10/08/2013 02:54:25 PM)
25	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5345, 5576, 5659, 5725, 5339, 5690, 5369, 5670, 5320, 5473, 5534, 5666, 5518, 5413, 5591, 5412, 5266, 5454, 5460, 5599, 5647, 5274, 5310, 5713, 5338, 5720, 5270, 5488, 5457, 5396, 5370, 5304, 5717, 5569, 5350, 5277, 5585, 5555, 5429, 5574, 5391, 5260, 5448, 5726, 5399, 5609, 5538, 5402, 5364, 5528, 5723, 5263, 5450,

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5500, 5525, 5550, 5362, 5271, 5482, 5252, 5590, 5325, 5533, 5293, 5321, 5627, 5463, 5600, 5560, 5688, 5503, 5516, 5489, 5328, 5437, 5458, 5665, 5680, 5660, 5306, 5505, 5640, 5397, 5703, 5358, 5620, 5348, 5643, 5578, 5308, 5297, 5347, 5426, 5545, 5587, 5251, 5470, 5256, 5577, 5561 (3 hits) (10/08/2013 02:54:39 PM)
26	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5526, 5433, 5694, 5567, 5450, 5308, 5465, 5370, 5702, 5644, 5372, 5268, 5587, 5327, 5454, 5466, 5654, 5435, 5426, 5345, 5311, 5366, 5602, 5584, 5696, 5522, 5545, 5503, 5536, 5414, 5463, 5591, 5428, 5281, 5411, 5515, 5656, 5626, 5401, 5383, 5410, 5342, 5481, 5336, 5339, 5521, 5347, 5689, 5519, 5605, 5477, 5686, 5451, 5674, 5328, 5340, 5588, 5315, 5569, 5254, 5322, 5580, 5579, 5440, 5651, 5273, 5420, 5480, 5664, 5461, 5504, 5398, 5581, 5330, 5298, 5695, 5574, 5479, 5262, 5478, 5563, 5425, 5603, 5593, 5305, 5310, 5552, 5534, 5301, 5393, 5334, 5289, 5516, 5511, 5369, 5318, 5652, 5355, 5531, 5406 (2 hits) (10/08/2013 02:54:48 PM)
27	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5279, 5519, 5518, 5606, 5382, 5378, 5506, 5375, 5478, 5366, 5376, 5584, 5532, 5287, 5402, 5672, 5313, 5578, 5498, 5494, 5564, 5451, 5574, 5403, 5705, 5682, 5570, 5661, 5285, 5380, 5583, 5472, 5611, 5257, 5379, 5568, 5344, 5573, 5303, 5299, 5658, 5663, 5255, 5325, 5641, 5482, 5588, 5562, 5280, 5586, 5486, 5331, 5377, 5542, 5425, 5722, 5640, 5461, 5338, 5423, 5650, 5276, 5664, 5517, 5438, 5645, 5725, 5283, 5538, 5598, 5654, 5391, 5417, 5637, 5511, 5404, 5434, 5481, 5723, 5543, 5527, 5346, 5523, 5593, 5632, 5600, 5351, 5638, 5720, 5622, 5427, 5618, 5644, 5326, 5575, 5256, 5576, 5450, 5591, 5432 (3 hits) (10/08/2013 02:54:55 PM)

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5526, 5461, 5449, 5646, 5293, 5726, 5638, 5713, 5709, 5702, 5361, 5375, 5282, 5412, 5513, 5297, 5467, 5276, 5253, 5499, 5370, 5358, 5476, 5420, 5692, 5419, 5498, 5469, 5681, 5328, 5291, 5281, 5645, 5504, 5404, 5488, 5690, 5363, 5559, 5583, 5546, 5700, 5707, 5549, 5668, 5398, 5572, 5507, 5273, 5268, 5323, 5410, 5568, 5622, 5654, 5503, 5261, 5324, 5515, 5554, 5337, 5614, 5688, 5558, 5606, 5345, 5464, 5569, 5381, 5259, 5649, 5493, 5577, 5495, 5552, 5598, 5369, 5712, 5465, 5445, 5659, 5264, 5527, 5284, 5612, 5532, 5510, 5415, 5539, 5295, 5346, 5686, 5319, 5540, 5480, 5325, 5658, 5599, 5287, 5289 (7 hits) (10/08/2013 02:55:03 PM)
29	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5367, 5328, 5493, 5550, 5497, 5677, 5695, 5578, 5535, 5522, 5417, 5273, 5290, 5575, 5620, 5288, 5576, 5357, 5688, 5287, 5301, 5456, 5673, 5527, 5326, 5624, 5460, 5542, 5499, 5299, 5700, 5602, 5395, 5643, 5611, 5716, 5314, 5519, 5427, 5687, 5717, 5569, 5378, 5637, 5449, 5480, 5320, 5438, 5471, 5424, 5398, 5548, 5323, 5540, 5713, 5723, 5689, 5454, 5334, 5584, 5265, 5680, 5721, 5341, 5664, 5663, 5488, 5523, 5256, 5384, 5647, 5530, 5267, 5558, 5676, 5412, 5708, 5418, 5448, 5311, 5437, 5354, 5365, 5630, 5396, 5324, 5391, 5430, 5720, 5361, 5595, 5481, 5690, 5315, 5482, 5282, 5719, 5609, 5577, 5312 (3 hits) (10/08/2013 02:55:10 PM)
30	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5391, 5559, 5254, 5708, 5531, 5680, 5418, 5444, 5255, 5665, 5361, 5356, 5281, 5408, 5530, 5564, 5606, 5298, 5533, 5502, 5631, 5422, 5357, 5386, 5277, 5596, 5321, 5720, 5307, 5620, 5292, 5271, 5416, 5315, 5498, 5501, 5435, 5576, 5382, 5302, 5325, 5573, 5663, 5574, 5280, 5511, 5558, 5339, 5490, 5518, 5710, 5643, 5402,

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5534, 5282, 5668, 5527, 5317, 5272, 5338, 5269, 5713, 5468, 5310, 5486, 5451, 5462, 5572, 5698, 5642, 5256, 5602, 5425, 5705, 5701, 5595, 5700, 5381, 5648, 5427, 5493, 5707, 5479, 5636, 5496, 5627, 5268, 5355, 5497, 5671, 5340, 5347, 5285, 5525, 5477, 5471, 5445, 5695, 5349, 5308 (6 hits) (10/08/2013 02:55:20 PM)
31	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5294, 5636, 5629, 5596, 5437, 5420, 5301, 5346, 5611, 5470, 5592, 5473, 5394, 5706, 5329, 5589, 5377, 5405, 5658, 5322, 5408, 5610, 5554, 5692, 5712, 5644, 5288, 5475, 5395, 5479, 5487, 5707, 5614, 5289, 5381, 5638, 5597, 5606, 5591, 5506, 5709, 5556, 5694, 5459, 5643, 5498, 5541, 5478, 5305, 5530, 5632, 5376, 5260, 5525, 5513, 5353, 5409, 5723, 5647, 5646, 5483, 5267, 5594, 5494, 5502, 5335, 5585, 5471, 5308, 5599, 5453, 5418, 5263, 5272, 5287, 5450, 5696, 5332, 5639, 5406, 5566, 5313, 5612, 5665, 5515, 5573, 5432, 5634, 5385, 5548, 5714, 5489, 5640, 5295, 5401, 5279, 5320, 5517, 5701, 5261 (4 hits) (10/08/2013 02:56:14 PM)
32	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5339, 5715, 5665, 5703, 5535, 5641, 5285, 5345, 5607, 5644, 5541, 5447, 5265, 5409, 5433, 5360, 5517, 5577, 5295, 5593, 5405, 5521, 5315, 5445, 5498, 5719, 5508, 5507, 5415, 5465, 5291, 5632, 5260, 5693, 5325, 5691, 5488, 5435, 5637, 5451, 5352, 5320, 5499, 5624, 5550, 5631, 5675, 5618, 5288, 5446, 5417, 5303, 5516, 5569, 5401, 5396, 5272, 5520, 5389, 5571, 5553, 5436, 5480, 5361, 5659, 5267, 5622, 5287, 5509, 5375, 5397, 5441, 5316, 5307, 5626, 5647, 5486, 5378, 5296, 5321, 5526, 5276, 5275, 5309, 5419, 5359, 5604, 5582, 5554, 5544, 5266, 5460, 5439, 5500, 5471, 5338, 5672, 5487, 5701, 5546 (5 hits) (10/08/2013 02:56:24 PM)

Table 81 - FCC frequency hopping radar (Type 6) Results 20MHz 2x2						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5685, 5543, 5634, 5532, 5620, 5609, 5525, 5618, 5724, 5484, 5253, 5458, 5667, 5550, 5271, 5472, 5674, 5560, 5361, 5448, 5682, 5353, 5640, 5637, 5519, 5497, 5423, 5261, 5710, 5561, 5564, 5316, 5450, 5306, 5582, 5387, 5699, 5310, 5479, 5495, 5690, 5315, 5317, 5268, 5471, 5496, 5648, 5689, 5399, 5502, 5392, 5468, 5622, 5547, 5418, 5491, 5390, 5270, 5473, 5298, 5482, 5683, 5277, 5580, 5510, 5340, 5322, 5314, 5431, 5555, 5407, 5631, 5451, 5489, 5296, 5394, 5345, 5601, 5706, 5351, 5287, 5439, 5454, 5374, 5714, 5602, 5541, 5456, 5485, 5581, 5635, 5552, 5567, 5402, 5695, 5356, 5540, 5437, 5272, 5534 (4 hits) (10/08/2013 02:56:40 PM)
34	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5682, 5396, 5370, 5315, 5392, 5389, 5486, 5488, 5530, 5282, 5523, 5522, 5640, 5585, 5367, 5321, 5357, 5504, 5721, 5501, 5291, 5648, 5319, 5601, 5505, 5489, 5457, 5477, 5708, 5312, 5528, 5565, 5256, 5265, 5568, 5690, 5295, 5506, 5624, 5670, 5604, 5296, 5470, 5395, 5305, 5467, 5322, 5635, 5655, 5308, 5498, 5332, 5436, 5495, 5591, 5496, 5388, 5683, 5476, 5609, 5378, 5569, 5411, 5605, 5440, 5329, 5290, 5641, 5428, 5710, 5673, 5479, 5480, 5435, 5349, 5412, 5550, 5300, 5438, 5541, 5324, 5405, 5607, 5718, 5575, 5662, 5651, 5474, 5451, 5391, 5701, 5429, 5525, 5646, 5570, 5443, 5459, 5253, 5340, 5524 (7 hits) (10/08/2013 02:56:47 PM)

Appendix C Antenna Specification

Dual Band WiFi Antenna | Rubber Duck or Dipole | 5 dBi | RP-TNC

<http://www.air802.com/dual-band-wifi-antenna-dipole-rubber-duck-5-dbi...>

The screenshot shows the AIR802 website interface. At the top left is the AIR802 logo. To the right are links for 'SIGN IN / REGISTER', 'VIEW CART', and a search bar. Below the logo is a navigation menu with links: HOME, FAQ, WHERE TO BUY, PARTNERS, ABOUT COMPANY, CONTACT, and SITEMAP. There are also social media icons for Facebook, Twitter, and LinkedIn. The main content area is divided into three columns. The left column lists 'Product Categories' including Antennas, Cable - Ethernet / Coax / USB, Connector/Adapters, Fiber Optics, Lightning Protector, Marine-RV Hardware, Miscellaneous, Power Over Ethernet Injector / Splitter Products, Radios, Switch, Tools, and Wired Infrastructure. Below this is a 'Knowledge Center' section with links to 'Conversion Table (dBm to Watt)', 'IEEE 802.11b/g/n Wireless Standards Comparison, Facts and Channels', 'FCC Rules and Regulations (2.4 and 5 GHz)', 'View RF Coaxial Connector Identification Chart', and 'Radio Manufacturer to Coaxial Connector Type Cross-Reference'. The middle column displays the product page for 'Dual-Band WiFi Dipole (Rubber Duck) Antenna, 2.4 GHz and 5.1 to 5.8 GHz, 5 dBi Gain, Reverse Polarity TNC (RP-TNC) Plug Male Connector'. It includes a 'Printable' link. The right column contains a 'Customer Service' section with links for 'Contact Information', 'Hours of Operation', 'Return Authorization Form (RMA)', and 'Your cart'. Below this is a 'Shipping Information' section with links for 'Payment Options', 'Sales Tax', 'Privacy Policy', 'Statement of Warranty', 'Return Policy', and 'Legal Conditions'. At the bottom of the right column is a 'Support' section with links for 'Contacts', 'Drivers', 'Firmware', and 'Manuals'. The footer of the page shows '1 of 5' on the left and '8/14/2013 11:42 AM' on the right.



Eahison Communication Co., Ltd

2400-2500MHz /5150-5850MHz 14dBi Panel Directional Antenna

Model	EHS1GA202A	
Electrical specifications		
Frequency range (MHz)	2400-2500	5150-5850
Polarization	±45°	±45°
Gain(dBi)	14±0.5	14±1
Half-power beam width(°)	Hor:35±5 Ver:35±5	Hor:35±5 Ver:35±5
Front-to-back ratio(dB)	≥20	≥22
Isolation (dB)	≥28	≥22
Impedance(Ω)	50	
VSWR	≤1.5	≤1.8
Maximum input power(W)	50	
Lightning protection	DC Ground	

Frequency range 2400-2500MHz/5150-5850MHz

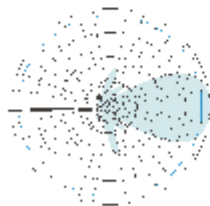
Polarization 2x(±45°)

Gain 4x14dBi

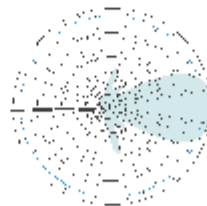
Half-power beam width 35°



Mechanical specifications	
Connector	4×N-female
Connector position	Bottom
Size(mm)	420×240×35
Packing size(mm)	580×420×565(10/1)
Antenna weight(kg)	1.7
Packing weight(kg)	19.4
Wind loading area(m ²)	≤0.2
Rated wind velocity(m/s)	36.9
Reflector material	Cu or Al
Radome material	ABS
Radome color	White
Operating temperature(□)	-40~55
Mounting hardware(mm)	Φ40~50



H-Plane



E-Plane

TEL: +86 757 88765803

FAX: +86 757 88765809

Http://www.eahison.com

Address:25th KouAn Road,Xinan Town,Sanshui District,Foshan City,Guangdong Province,China

This antenna is used with at least 3 meters of LMR-195 cable. See RF test report for details.

Appendix D Test Configuration Photograph(s)

