

TEST REPORT

Covering the DYNAMIC FREQUENCY SELECTION (DFS) REQUIREMENTS OF

FCC Part 15 Subpart E (UNII), RSS-210 Annex 9

*Flextronics Canada Design Services
Model(s): WS-AP3710e*

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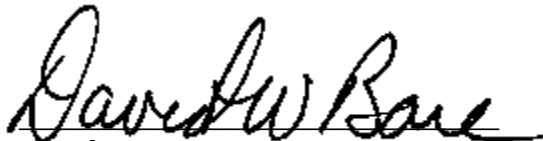
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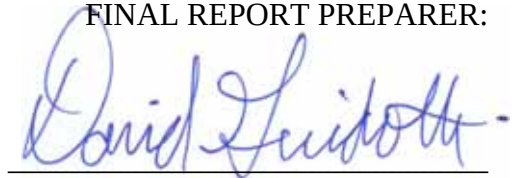
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REVISION HISTORY

Rev #	Date	Comments	Modified By
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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 Flextronics Canada Design Services model WS-AP3710e and therefore apply only to the tested sample. The sample was selected and prepared by George Fares of Flextronics Canada Design Services

OBJECTIVE

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

STATEMENT OF COMPLIANCE

The tested sample of the Flextronics Canada Design Services model WS-AP3710e complied with the DFS requirements of FCC Part 15.407(h)(2) and RSS-210 Annex 9.3.

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**

Table 1 FCC Part 15 Subpart E Master Device Test Result Summary						
Description	Radar Type	EUT Frequency MHz	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5500	60s	$\geq 60s$	Appendix D	Pass
CAC Detection Threshold	Type 1	5500	-64dBm	-64dBm (See note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5500 5510	-64 dBm (note 2)	-64dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Varies	23 MHz 40 MHz	80% of the 99% BW	Appendix B	Pass
Channel closing transmission time	Type 1 Type 5	5500	0ms	$\leq 260ms$	Appendix C	Pass
Channel move time	Type 1 Type 5	5500	95ms	$\leq 10s$	Appendix C	Pass
Channel closing transmission time	Type 1 Type 5	5510	0ms	$\leq 260ms$	Appendix C	Pass
Channel move time	Type 1 Type 5	5510	96ms	$\leq 10s$	Appendix C	Pass
Non-occupancy period	-	5500 5510	> 30 minutes	> 30 minutes	Appendix C	Pass
Uniform Loading		-	-	Uniform Loading	Refer to operational description	-
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 2 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 5500-5580 MHz band.						

MEASUREMENT UNCERTAINTIES

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

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

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

The Flextronics Canada Design Services model WS-AP3710e is a multiple radio access point, each operating in a 3x3 MIMO and legacy modes. It incorporates both a 2.4 GHz band 802.11b/g/n and a 5.2 GHz band and 5.6 GHz band 802.11a/n radio in a single enclosure. Since the EUT could be placed in any position during operation, the EUT was treated as table-top equipment during testing to simulate the end-user environment. The electrical rating of the EUT is 48 Volts DC, 0.8 Amps.

The sample was received on January 30, 2013 and tested on February 7 & 11, 2013. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
Flextronics	WS-AP3710e	Wireless AP	123503115942
Laird Technologies	S2451DBT (Enterasys WS-AI-DX02360)	Omni Antenna	-

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)	2	2
Highest Antenna Gain (dBi)	5	5
EIRP Output Power (dBm)	26.9	26.9

- ☒ Power can exceed 200mW eirp

Channel Protocol

- ☒ IP Based
- ☐ Frame Based
- ☐ OTHER _____

ENCLOSURE

The EUT enclosure measures approximately 18.5 by 20 by 3.5 centimeters. It is primarily constructed of aluminum.

MODIFICATIONS

The EUT required the following modifications in order to comply with the requirements of the standard(s) referenced in this test report.

The firmware was updated to version 08.21.02.0015T to correct antenna gain values.

SUPPORT EQUIPMENT

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

Manufacturer	Model	Description	Serial Number	ID
Dell	P18L	Server Laptop	14030653249	DoC
Dell	PP02X	Client Laptop	42707742661	DoC
<i>Linksys</i>	<i>WPC600N</i>	<i>PCMCIA 802.11abgn Card</i>	<i>MNV0081077</i>	<i>FCC:Q87-WPC600NV11 IC:3839A-WPC6NV11</i>

The italicized device was the client device.

EUT INTERFACE PORTS

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

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length (m)
Ethernet	POE	CAT5 STP	Shielded	10.0
Ethernet	Server Laptop	CAT5 STP	Shielded	10.0
AC Power on POE	AC Mains	3 wire	Unshielded	2.0
Serial	Server Laptop	RJ45 to USB	Unshielded	10.0

EUT OPERATION

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

Master Device: 08.21.02.0015T

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

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

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

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

RADAR WAVEFORMS

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

Table 4 FCC Frequency Hopping Radar Test Waveforms							
Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses / hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Detection Percentage	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

DFS TEST METHODS

RADIATED TEST METHOD

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

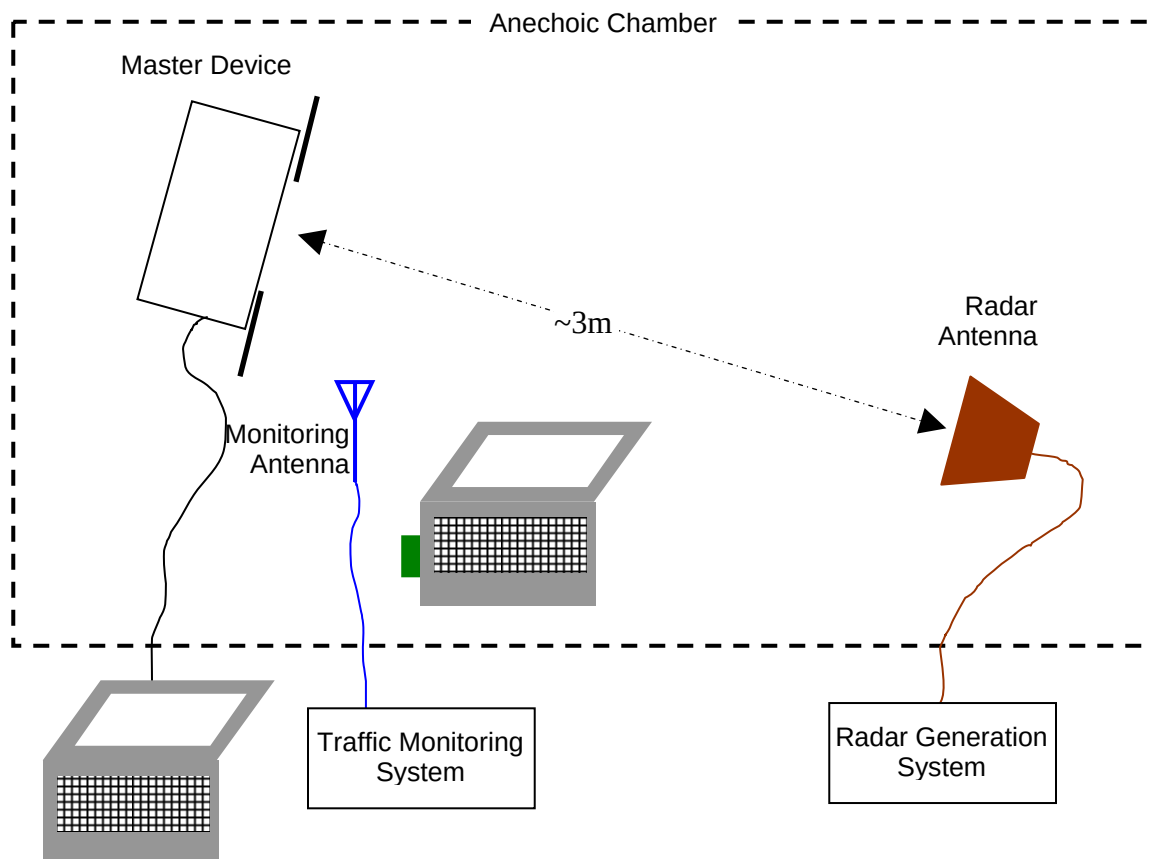


Figure 1 Test Configuration for radiated Measurement Method

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 National Technical Systems - SiliconValley custom software to produce the required waveforms, with the capability to produce both un-modulated and modulated (FM Chirp) pulses. Where there are multiple values for a specific radar parameter then the software selects a value at random and, for FCC tests, the software verifies that the resulting waveform is truly unique.

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

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

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

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

CHANNEL MONITORING SYSTEM

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

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

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

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

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

DFS MEASUREMENT METHODS

DFS RADAR DETECTION BANDWIDTH

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

DFS – CHANNEL CLOSING TRANSMISSION TIME AND CHANNEL MOVE TIME

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

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

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

ETSI – 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	25-Feb-13
EMCO	Antenna, Horn, 1-18 GHz (SA40-Blu)	3115	1386	26-Sep-14
EMCO	Antenna, Horn, 1-18 GHz	3117	1662	25-May-14
Agilent	PSG Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	11-May-13
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052B	2118	22-Oct-13

Appendix B Test Data Tables for Radar Detection Probability

Table 5 - Detection Bandwidth Measurements HT40 (Bandwidth: +19MHz /-20MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5489.00 MHz	0	3	0
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5490.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
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

Table 5 - Detection Bandwidth Measurements HT40 (Bandwidth: +19MHz /-20MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
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
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

Table 5 - Detection Bandwidth Measurements HT40 (Bandwidth: +19MHz /-20MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
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
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	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5529.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5530.00 MHz	3	3	50

Table 6 - Summary of All Results - HT40

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	76.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	86.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	86.7 %	60.0 %	30	PASSED
Aggregate of above results	86.7 %	80.0 %	120	PASSED
Long Sequence	100.0 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	41	PASSED

Table 7 - FCC Short Pulse Radar (Type 1) Results HT40

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 (02/07/2013 09:51:58 AM)
2	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:12:40 AM)
3	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:12:59 AM)
4	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:13:12 AM)
5	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:13:23 AM)
6	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:13:32 AM)
7	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:13:49 AM)
8	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:14:04 AM)
9	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:14:26 AM)
10	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:15:12 AM)
11	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:15:35 AM)
12	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:15:55 AM)
13	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:16:14 AM)
14	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:16:30 AM)
15	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:16:57 AM)
16	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:17:06 AM)
17	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:17:24 AM)
18	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:17:36 AM)
19	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:17:53 AM)
20	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:18:13 AM)

Table 7 - FCC Short Pulse Radar (Type 1) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
21	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:18:39 AM)
22	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:18:53 AM)
23	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:19:18 AM)
24	18	1.0	1428.0	No	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:22:19 AM)
25	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:22:41 AM)
26	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:23:00 AM)
27	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 10:23:13 AM)
28	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 10:23:32 AM)
29	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:23:49 AM)
30	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:24:23 AM)

Table 8 - FCC Short Pulse Radar (Type 2) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	23	1.2	156.0	No	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:32:53 AM)
2	27	2.7	168.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:33:12 AM)
3	26	2.8	170.0	No	5500.0MHz, -64.0dBm	Single burst (02/07/2013 10:33:58 AM)
4	26	5.0	182.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 10:34:15 AM)
5	28	4.4	170.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:34:33 AM)
6	23	3.4	193.0	No	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:34:45 AM)
7	24	1.5	209.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:35:03 AM)
8	24	2.9	165.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 10:36:42 AM)
9	27	2.1	189.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 10:37:06 AM)
10	28	3.4	157.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:37:48 AM)
11	26	4.4	174.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:38:11 AM)
12	26	2.3	203.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:40:46 AM)
13	25	3.0	156.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 10:41:33 AM)
14	29	2.1	180.0	No	5520.0MHz, -64.0dBm	Single burst (02/07/2013 10:42:25 AM)
15	25	1.4	206.0	No	5515.0MHz,	Single burst (02/07/2013 10:43:10 AM)

Table 8 - FCC Short Pulse Radar (Type 2) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	AM)
16	25	4.1	191.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:45:25 AM)
17	27	2.7	228.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:46:00 AM)
18	25	1.8	225.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 10:51:01 AM)
19	26	1.1	201.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 10:51:19 AM)
20	25	1.2	177.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:51:55 AM)
21	24	4.7	206.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:52:19 AM)
22	25	3.2	157.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:52:57 AM)
23	24	1.2	195.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 10:53:15 AM)
24	24	4.4	151.0	No	5520.0MHz, -64.0dBm	Single burst (02/07/2013 10:53:54 AM)
25	27	3.5	213.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:54:13 AM)
26	26	1.1	206.0	No	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:54:37 AM)
27	26	1.9	188.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:54:52 AM)
28	27	3.1	218.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 10:55:09 AM)
29	26	4.6	206.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 10:55:19 AM)
30	29	1.2	230.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 10:56:20 AM)

Table 9 - FCC Short Pulse Radar (Type 3) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	7.0	224.0	No	5510.0MHz, -64.0dBm	Single burst (02/07/2013 10:57:43 AM)
2	18	7.2	290.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 10:58:14 AM)
3	17	6.9	354.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 10:58:24 AM)
4	16	8.4	405.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 10:58:34 AM)
5	16	9.8	443.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:00:55 AM)
6	17	8.5	358.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:01:07 AM)
7	17	9.8	252.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:01:15 AM)
8	18	6.5	233.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:01:24 AM)
9	18	7.1	419.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:01:37 AM)

Table 9 - FCC Short Pulse Radar (Type 3) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
10	17	8.6	215.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:01:46 AM)
11	16	8.3	425.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:01:54 AM)
12	16	7.1	481.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:02:16 AM)
13	17	8.4	243.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:02:28 AM)
14	17	8.2	293.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:02:41 AM)
15	17	8.1	274.0	No	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:05:45 AM)
16	17	7.5	244.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:06:09 AM)
17	18	8.8	229.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:09:31 AM)
18	18	8.3	227.0	No	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:09:52 AM)
19	18	7.5	304.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:10:07 AM)
20	17	8.4	419.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:10:22 AM)
21	16	7.2	450.0	No	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:10:47 AM)
22	18	9.0	315.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:11:14 AM)
23	16	9.3	352.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:11:27 AM)
24	16	9.0	462.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:11:43 AM)
25	18	9.9	476.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:12:24 AM)
26	18	6.5	273.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:14:58 AM)
27	18	8.5	294.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:16:20 AM)
28	17	7.1	358.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:21:46 AM)
29	17	9.3	203.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:22:07 AM)
30	16	7.7	258.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:22:17 AM)

Table 10 - FCC Short Pulse Radar (Type 4) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	13	17.5	315.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:23:11 AM)
2	15	17.5	286.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:23:21 AM)
3	15	19.5	376.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:23:36 AM)

Table 10 - FCC Short Pulse Radar (Type 4) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
4	16	12.9	471.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:24:30 AM)
5	15	11.5	442.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:24:41 AM)
6	13	14.2	486.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:24:55 AM)
7	15	19.5	351.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:25:29 AM)
8	16	18.7	409.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:25:44 AM)
9	16	15.0	283.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:25:55 AM)
10	13	19.5	343.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:26:22 AM)
11	15	14.4	455.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:26:38 AM)
12	14	14.1	301.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:27:13 AM)
13	13	17.8	215.0	No	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:27:22 AM)
14	15	17.5	201.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:27:45 AM)
15	14	14.8	266.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:27:58 AM)
16	13	16.9	415.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:29:16 AM)
17	13	15.8	282.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:29:29 AM)
18	14	14.6	486.0	No	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:29:39 AM)
19	13	18.6	380.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:29:56 AM)
20	14	17.4	299.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:30:33 AM)
21	14	15.7	452.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:31:09 AM)
22	15	18.3	247.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:31:20 AM)
23	13	17.2	303.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:31:32 AM)
24	14	15.0	470.0	Yes	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:31:52 AM)
25	14	16.4	215.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:32:12 AM)
26	14	16.7	386.0	Yes	5510.0MHz, -64.0dBm	Single burst (02/07/2013 11:32:26 AM)
27	15	12.3	299.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/07/2013 11:34:33 AM)
28	14	19.7	382.0	No	5500.0MHz, -64.0dBm	Single burst (02/07/2013 11:36:38 AM)
29	13	19.9	498.0	No	5520.0MHz, -64.0dBm	Single burst (02/07/2013 11:36:51 AM)
30	15	17.2	207.0	Yes	5515.0MHz, -64.0dBm	Single burst (02/07/2013 11:43:13 AM)

Table 11 - Long Sequence Waveform Summary HT40

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5510.0MHz, -64.0dBm
Trial #2	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
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	Detected	5510.0MHz, -64.0dBm
Trial #27	Detected	5505.0MHz, -64.0dBm

Table 11 - Long Sequence Waveform Summary HT40

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #28	Detected	5500.0MHz, -64.0dBm
Trial #29	Detected	5520.0MHz, -64.0dBm
Trial #30	Detected	5515.0MHz, -64.0dBm

Table 12 - HT40 Long Sequence Waveform Trial#1 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	86.0	5	1398.0	-	0.503478
2	1	84.9	16	-	-	1.707452
3	3	66.5	7	1913.0	1605.0	2.245135
4	1	59.1	20	-	-	3.457185
5	3	90.1	16	1387.0	1097.0	4.514949
6	2	54.9	9	1138.0	-	5.984042
7	2	90.9	14	1845.0	-	6.541364
8	2	85.8	14	1904.0	-	7.872445
9	3	54.7	7	1859.0	1069.0	8.273615
10	3	85.8	12	1160.0	1799.0	9.512256
11	3	85.5	15	1997.0	1476.0	10.205159
12	3	77.6	11	1065.0	1216.0	11.560189

Table 13 - HT40 Long Sequence Waveform Trial#2 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	90.5	7	1970.0	-	0.665537
2	1	74.8	19	-	-	1.267627
3	1	53.0	14	-	-	2.110477
4	2	60.3	15	1390.0	-	3.487495
5	2	95.4	7	1449.0	-	4.151920
6	2	74.3	12	1866.0	-	4.663186
7	2	76.2	10	1980.0	-	5.745483
8	1	60.8	14	-	-	6.656635
9	3	79.3	13	1852.0	1415.0	7.779081
10	2	72.3	6	1234.0	-	9.114657
11	2	72.1	6	1797.0	-	9.693123
12	2	81.6	15	1115.0	-	10.837875
13	2	90.8	14	1981.0	-	11.273283

Table 14 - HT40 Long Sequence Waveform Trial#3 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	65.8	10	1762.0	1552.0	0.176012
2	2	76.0	6	1261.0	-	1.403564
3	2	87.4	17	1276.0	-	2.351564
4	1	57.1	11	-	-	3.207406
5	2	85.0	9	1019.0	-	4.064499
6	1	87.9	19	-	-	5.111529
7	3	74.7	5	1624.0	1189.0	6.431426

Table 14 - HT40 Long Sequence Waveform Trial#3 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	2	90.8	17	1079.0	-	7.305333
9	2	54.7	5	1308.0	-	8.054234
10	1	86.9	8	-	-	8.727161
11	2	56.4	13	1387.0	-	9.831617
12	1	70.3	8	-	-	10.818098
13	2	81.7	13	1451.0	-	11.617691

Table 15 - HT40 Long Sequence Waveform Trial#4 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	85.7	7	1841.0	-	0.797405
2	1	88.9	9	-	-	1.485578
3	1	98.1	15	-	-	2.646017
4	2	53.6	14	1554.0	-	3.344817
5	3	72.2	11	1816.0	1616.0	4.054552
6	3	65.5	6	1370.0	1266.0	5.156721
7	2	96.5	17	1498.0	-	6.419816
8	2	68.9	5	1339.0	-	6.787002
9	2	55.9	13	1833.0	-	7.800167
10	2	73.1	7	1825.0	-	8.637331
11	2	80.3	10	1473.0	-	9.490556
12	1	71.4	9	-	-	10.820262
13	3	99.3	7	1758.0	1007.0	11.265624

Table 16 - HT40 Long Sequence Waveform Trial#5 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	99.9	10	1713.0	-	0.616991
2	1	67.8	15	-	-	1.180660
3	1	71.9	12	-	-	1.756397
4	2	91.1	15	1803.0	-	2.649050
5	2	71.5	5	1293.0	-	3.105743
6	3	88.6	13	1176.0	1422.0	3.716356
7	2	65.3	5	1891.0	-	4.868905
8	3	75.5	8	1088.0	1708.0	5.446485
9	1	96.8	16	-	-	5.714417
10	3	71.7	19	1794.0	1756.0	6.867669
11	2	53.5	7	1747.0	-	7.544104
12	1	80.0	12	-	-	8.048457
13	2	55.7	18	1297.0	-	9.029129
14	1	71.1	19	-	-	9.555807
15	2	65.9	16	1130.0	-	10.195443
16	3	71.9	7	1005.0	1469.0	10.598562
17	3	75.9	19	1312.0	1758.0	11.924679

Table 17 - HT40 Long Sequence Waveform Trial#6 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	60.8	17	-	-	0.263393

Table 17 - HT40 Long Sequence Waveform Trial#6 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
2	3	78.9	15	1203.0	1552.0	1.171869
3	2	63.8	16	1461.0	-	1.487517
4	2	92.2	8	1296.0	-	2.183536
5	2	75.2	17	1761.0	-	3.050230
6	2	66.7	18	1818.0	-	3.491816
7	1	60.7	9	-	-	4.425482
8	3	57.1	18	1304.0	1522.0	5.303623
9	1	50.3	10	-	-	5.851601
10	2	91.5	16	1433.0	-	6.175223
11	1	96.3	12	-	-	6.778762
12	2	78.7	16	1334.0	-	7.960434
13	2	72.0	16	1099.0	-	8.253104
14	1	82.7	6	-	-	8.769917
15	2	91.5	19	1119.0	-	9.353881
16	1	65.8	7	-	-	10.272580
17	1	61.3	15	-	-	11.306086
18	1	87.1	9	-	-	11.964890

Table 18 - HT40 Long Sequence Waveform Trial#7 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	95.8	8	1339.0	-	0.367596
2	1	69.1	16	-	-	1.629305
3	2	59.6	14	1573.0	-	2.549576
4	2	89.9	6	1346.0	-	3.073487
5	2	76.7	13	1264.0	-	3.588347
6	3	81.7	11	1516.0	1966.0	4.850840
7	3	86.8	20	1803.0	1006.0	5.221331
8	1	60.0	9	-	-	6.716639
9	1	68.0	14	-	-	7.643322
10	2	76.3	6	1673.0	-	7.723438
11	3	73.2	16	1270.0	1490.0	9.236657
12	1	68.6	14	-	-	9.814380
13	3	87.9	19	1659.0	1634.0	11.097210
14	1	80.4	14	-	-	11.732989

Table 19 - HT40 Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	62.6	17	-	-	0.694487
2	2	96.5	17	1382.0	-	1.143031
3	2	69.2	6	1705.0	-	1.989742
4	3	62.6	9	1729.0	1952.0	2.781538
5	2	77.2	15	1649.0	-	3.311196
6	3	92.8	13	1178.0	1801.0	3.710119
7	2	74.4	7	1062.0	-	4.798832
8	1	55.9	6	-	-	5.066340
9	3	69.1	12	1548.0	1965.0	5.761573
10	2	64.3	11	1015.0	-	6.939461
11	1	71.5	10	-	-	7.384963

Table 19 - HT40 Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
12	3	99.3	13	1222.0	1819.0	8.175019
13	2	62.6	18	1939.0	-	8.523668
14	1	53.7	16	-	-	9.732460
15	2	98.7	9	1213.0	-	10.142070
16	2	65.1	11	1957.0	-	10.950829
17	2	53.5	16	1885.0	-	11.706781

Table 20 - HT40 Long Sequence Waveform Trial#9 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	76.6	12	1750.0	-	0.897863
2	2	82.4	9	1224.0	-	1.930401
3	2	96.6	15	1608.0	-	2.570402
4	2	58.0	12	1823.0	-	4.309755
5	1	64.7	14	-	-	5.151850
6	2	62.0	12	1273.0	-	6.406744
7	3	88.0	16	1060.0	1895.0	6.820383
8	2	54.5	15	1404.0	-	8.561945
9	1	63.6	13	-	-	9.478223
10	2	50.3	13	1530.0	-	10.245500
11	3	70.5	9	1398.0	1344.0	11.471459

Table 21 - HT40 Long Sequence Waveform Trial#10 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	88.0	11	1411.0	-	0.384975
2	3	57.4	9	1226.0	1888.0	1.488387
3	1	84.9	19	-	-	2.016145
4	2	60.2	9	1531.0	-	2.731844
5	2	57.8	10	1187.0	-	3.676631
6	3	80.3	6	1266.0	1283.0	4.012972
7	2	54.8	20	1436.0	-	5.225166
8	3	61.7	17	1492.0	1012.0	5.593635
9	2	87.5	11	1758.0	-	6.033442
10	2	91.4	6	1041.0	-	7.043083
11	2	83.8	7	1406.0	-	7.804474
12	2	51.3	9	1389.0	-	8.811248
13	2	86.7	8	1967.0	-	9.079846
14	2	80.3	11	1521.0	-	10.164549
15	2	84.8	6	1706.0	-	10.738803
16	1	77.4	10	-	-	11.935225

Table 22 - HT40 Long Sequence Waveform Trial#11 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.7	7	1840.0	-	0.503296
2	1	61.8	19	-	-	1.165032
3	3	60.8	6	1996.0	1305.0	1.618109
4	2	73.2	14	1478.0	-	2.574168

Table 22 - HT40 Long Sequence Waveform Trial#11 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
5	1	64.9	11	-	-	3.172535
6	2	67.8	12	1352.0	-	3.513189
7	2	82.2	9	1809.0	-	4.191473
8	2	67.8	6	1548.0	-	5.147573
9	2	89.3	13	1830.0	-	5.356235
10	2	50.6	7	1308.0	-	6.256706
11	1	65.0	11	-	-	6.711233
12	1	65.7	18	-	-	7.812489
13	2	76.4	8	1875.0	-	8.244526
14	1	76.4	17	-	-	8.734195
15	3	53.8	17	1081.0	1898.0	9.984513
16	2	97.1	8	1521.0	-	10.419690
17	1	74.7	12	-	-	11.157106
18	2	78.0	9	1230.0	-	11.730372

Table 23 - HT40 Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	85.6	13	1370.0	-	0.459591
2	2	51.3	6	1138.0	-	1.141272
3	2	53.6	6	1393.0	-	2.646447
4	2	59.0	16	1754.0	-	3.016220
5	2	76.3	12	1285.0	-	4.826864
6	3	76.1	20	1216.0	1752.0	5.774030
7	3	92.1	8	1255.0	1056.0	6.264994
8	2	59.7	11	1283.0	-	7.187138
9	3	57.8	18	1094.0	1368.0	8.134730
10	3	63.7	13	1870.0	1696.0	9.713745
11	3	88.2	10	1037.0	1101.0	10.273319
12	3	66.9	18	1273.0	1820.0	11.498100

Table 24 - HT40 Long Sequence Waveform Trial#13 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	96.1	6	1151.0	-	0.136386
2	2	55.0	17	1974.0	-	1.312907
3	2	62.8	14	1267.0	-	2.704242
4	1	85.4	9	-	-	3.097555
5	1	53.4	8	-	-	4.472379
6	1	53.2	19	-	-	5.685800
7	2	65.7	18	1057.0	-	6.049840
8	3	58.7	14	1175.0	1270.0	7.332599
9	3	85.9	15	1977.0	1472.0	8.067452
10	3	70.8	18	1827.0	1019.0	9.888487
11	2	63.7	19	1969.0	-	10.241693
12	2	52.5	12	1739.0	-	11.294520

Table 25 - HT40 Long Sequence Waveform Trial#14 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.3	17	1278.0	-	0.057853
2	2	70.9	17	1698.0	-	1.045680
3	2	79.3	10	1303.0	-	1.587442
4	3	87.4	19	1428.0	1513.0	2.426930
5	2	90.8	17	1883.0	-	3.258684
6	3	75.9	15	1494.0	1101.0	3.356295
7	1	84.0	15	-	-	4.309021
8	2	55.1	17	1044.0	-	4.828102
9	1	54.8	19	-	-	5.770130
10	1	78.5	20	-	-	6.011044
11	3	79.9	17	1172.0	1153.0	6.676550
12	2	85.9	9	1179.0	-	7.634194
13	2	72.0	15	1236.0	-	8.261046
14	1	58.6	10	-	-	8.775588
15	2	67.5	9	1822.0	-	9.607919
16	2	56.6	13	1365.0	-	10.083553
17	2	94.9	13	1762.0	-	11.058084
18	1	82.1	12	-	-	11.677306

Table 26 - HT40 Long Sequence Waveform Trial#15 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	64.1	7	1121.0	-	0.966241
2	2	60.9	11	1209.0	-	1.180148
3	2	75.5	8	1114.0	-	2.114311
4	3	73.4	11	1691.0	1501.0	3.818412
5	1	75.9	14	-	-	4.279460
6	1	96.2	15	-	-	5.038233
7	1	90.4	9	-	-	6.518314
8	2	73.6	9	1216.0	-	7.873136
9	3	94.8	8	1390.0	1896.0	8.524038
10	2	70.1	19	1690.0	-	9.609059
11	1	53.5	9	-	-	10.184599
12	3	87.5	5	1130.0	1697.0	11.900023

Table 27 - HT40 Long Sequence Waveform Trial#16 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	51.3	14	1709.0	-	0.131222
2	3	86.2	19	1264.0	1233.0	1.593826
3	1	93.1	13	-	-	3.580423
4	2	66.9	7	1688.0	-	4.069072
5	3	76.0	8	1234.0	1908.0	4.971817
6	2	95.6	12	1698.0	-	6.119375
7	2	94.6	10	1979.0	-	7.835508
8	2	79.3	9	1555.0	-	9.048863
9	2	79.9	20	1072.0	-	10.685405
10	1	62.8	11	-	-	11.229925

Table 28 - HT40 Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	66.2	16	1922.0	-	0.340766
2	1	80.3	9	-	-	0.992467
3	3	92.7	14	1901.0	1413.0	2.262952
4	2	87.2	18	1158.0	-	2.724374
5	2	70.2	11	1932.0	-	3.568683
6	2	52.7	7	1807.0	-	4.884278
7	2	76.0	6	1129.0	-	5.665159
8	2	88.4	12	1109.0	-	6.679308
9	2	93.6	18	1311.0	-	6.881287
10	2	75.3	15	1068.0	-	8.090542
11	1	54.7	6	-	-	9.293318
12	1	66.8	10	-	-	9.832168
13	3	52.4	13	1319.0	1427.0	10.757630
14	1	64.1	12	-	-	11.728156

Table 29 - HT40 Long Sequence Waveform Trial#18 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	91.6	9	-	-	0.575920
2	2	64.0	17	1297.0	-	0.830405
3	2	78.1	17	1052.0	-	1.946555
4	2	88.4	9	1854.0	-	2.157435
5	3	52.1	6	1452.0	1274.0	2.901417
6	2	52.1	19	1573.0	-	3.966432
7	2	75.8	20	1865.0	-	4.531185
8	2	56.2	9	1882.0	-	4.821740
9	2	65.0	11	1189.0	-	5.722171
10	2	59.0	18	1857.0	-	6.499278
11	2	80.0	11	1161.0	-	7.235057
12	1	50.2	14	-	-	7.658638
13	2	95.1	15	1186.0	-	8.035163
14	2	53.8	11	1133.0	-	9.146353
15	3	92.4	20	1973.0	1232.0	9.729842
16	3	70.7	14	1267.0	1897.0	10.494011
17	2	60.1	8	1363.0	-	11.275586
18	2	63.7	16	1390.0	-	11.406997

Table 30 - HT40 Long Sequence Waveform Trial#19 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	87.0	6	1800.0	-	0.514590
2	2	94.1	17	1571.0	-	0.681419
3	2	92.5	7	1704.0	-	1.558427
4	3	60.0	10	1303.0	1577.0	1.933387
5	3	65.3	17	1852.0	1184.0	2.965766
6	2	97.5	18	1358.0	-	3.669608
7	2	67.6	11	1791.0	-	4.404331
8	3	69.0	6	1677.0	1155.0	4.715949
9	1	51.3	14	-	-	5.309520
10	3	67.3	6	1067.0	1777.0	5.840087
11	1	52.1	9	-	-	6.382004
12	2	83.8	15	1480.0	-	6.998643

Table 30 - HT40 Long Sequence Waveform Trial#19 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
13	3	63.4	7	1872.0	1761.0	7.925354
14	3	67.0	9	1219.0	1801.0	8.358629
15	1	58.0	9	-	-	9.150371
16	3	78.3	8	1151.0	1482.0	9.925516
17	3	65.0	11	1296.0	1094.0	10.269347
18	3	77.5	10	1015.0	1974.0	10.919544
19	3	99.7	16	1908.0	1951.0	11.986011

Table 31 - HT40 Long Sequence Waveform Trial#20 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	88.0	7	1590.0	1771.0	0.307186
2	3	81.0	5	1857.0	1768.0	1.689527
3	2	71.1	10	1743.0	-	2.243259
4	1	62.5	19	-	-	3.195668
5	2	93.1	19	1923.0	-	3.766390
6	2	91.0	7	1027.0	-	4.790538
7	1	95.0	11	-	-	5.526273
8	1	82.7	20	-	-	6.205442
9	2	69.6	14	1079.0	-	7.374828
10	2	75.1	13	1234.0	-	7.974953
11	3	59.2	11	1187.0	1255.0	9.158160
12	1	95.1	8	-	-	9.434272
13	2	81.7	20	1882.0	-	10.431694
14	2	92.2	7	1919.0	-	11.686197

Table 32 - HT40 Long Sequence Waveform Trial#21 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	52.7	14	1837.0	-	0.440798
2	2	74.6	6	1571.0	-	1.210712
3	2	70.5	10	1238.0	-	2.297755
4	3	54.1	6	1595.0	1918.0	4.177836
5	3	58.5	11	1060.0	1363.0	4.714214
6	1	62.7	6	-	-	6.325731
7	2	84.3	16	1047.0	-	7.443292
8	2	97.5	17	1734.0	-	8.425845
9	1	77.3	19	-	-	9.420196
10	3	70.1	11	1323.0	1440.0	10.134819
11	1	81.6	13	-	-	11.098581

Table 33 - HT40 Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	76.6	13	1512.0	-	0.261231
2	2	50.8	14	1476.0	-	1.188030
3	2	83.1	19	1045.0	-	1.500153
4	1	84.4	18	-	-	2.141713
5	2	77.8	12	1478.0	-	2.932527

Table 33 - HT40 Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
6	2	98.4	7	1145.0	-	3.923842
7	2	95.9	12	1034.0	-	4.405500
8	2	52.7	7	1195.0	-	5.135686
9	1	91.2	17	-	-	5.881554
10	2	70.0	10	1926.0	-	6.318794
11	1	67.3	6	-	-	7.182164
12	2	58.3	9	1424.0	-	7.608167
13	1	89.8	13	-	-	8.111828
14	2	85.0	17	1155.0	-	9.045493
15	1	79.5	12	-	-	9.488134
16	2	91.1	12	1175.0	-	10.557186
17	3	94.6	5	1152.0	1213.0	10.686182
18	1	57.9	15	-	-	11.738057

Table 34 - HT40 Long Sequence Waveform Trial#23 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	96.6	7	-	-	0.953511
2	1	73.7	14	-	-	1.529758
3	2	50.6	8	1112.0	-	3.589301
4	2	80.9	15	1868.0	-	4.746782
5	1	82.1	11	-	-	5.679907
6	2	96.1	13	1191.0	-	6.166307
7	1	98.5	11	-	-	8.078762
8	2	72.5	8	1703.0	-	9.324593
9	2	71.3	13	1784.0	-	10.671332
10	3	62.2	6	1702.0	1658.0	11.450502

Table 35 - HT40 Long Sequence Waveform Trial#24 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	96.8	5	1813.0	-	0.120805
2	2	78.5	8	1391.0	-	0.773211
3	1	62.0	12	-	-	1.674256
4	2	72.9	8	1839.0	-	2.395251
5	2	95.2	15	1309.0	-	2.799858
6	1	92.3	7	-	-	3.232827
7	3	95.3	12	1369.0	1912.0	3.813626
8	2	98.2	18	1182.0	-	4.922976
9	2	84.4	14	1523.0	-	5.286279
10	2	71.0	8	1065.0	-	5.755102
11	3	50.3	9	1109.0	1694.0	6.560993
12	2	81.1	15	1989.0	-	7.562974
13	2	95.9	13	1149.0	-	7.793519
14	1	73.3	6	-	-	8.333078
15	2	70.8	20	1281.0	-	9.307228
16	2	93.6	14	1186.0	-	9.575832
17	2	55.5	7	1698.0	-	10.308934
18	2	64.9	12	1738.0	-	10.824473
19	1	51.2	17	-	-	11.774838

Table 36 - HT40 Long Sequence Waveform Trial#25 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	74.5	18	1892.0	-	0.305800
2	3	67.3	12	1423.0	1632.0	1.467256
3	1	73.5	15	-	-	3.258589
4	2	66.1	16	1036.0	-	4.594138
5	3	95.1	8	1769.0	1060.0	6.290078
6	2	66.8	18	1298.0	-	7.530689
7	2	82.1	5	1486.0	-	8.038165
8	2	81.3	19	1836.0	-	10.045321
9	2	88.9	12	1642.0	-	11.810670

Table 37 - HT40 Long Sequence Waveform Trial#26 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	71.3	18	-	-	0.505017
2	2	57.2	19	1425.0	-	0.933438
3	2	50.4	10	1999.0	-	2.008649
4	3	96.4	12	1583.0	1729.0	2.477477
5	3	79.7	5	1941.0	1476.0	3.486169
6	2	67.1	12	1744.0	-	3.973786
7	2	59.7	11	1607.0	-	4.698813
8	1	78.0	16	-	-	5.736568
9	2	63.8	7	1701.0	-	6.411818
10	1	70.9	15	-	-	7.354798
11	1	71.0	20	-	-	8.095327
12	3	72.0	10	1848.0	1873.0	8.682946
13	1	97.0	17	-	-	9.424462
14	2	64.9	7	1484.0	-	10.409488
15	3	66.1	20	1786.0	1114.0	10.579395
16	1	54.2	7	-	-	11.774351

Table 38 - HT40 Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	83.4	17	1522.0	-	0.467095
2	1	72.1	17	-	-	0.941821
3	1	89.0	18	-	-	1.364374
4	2	71.2	12	1069.0	-	2.500832
5	1	52.0	15	-	-	2.936758
6	3	77.0	9	1211.0	1562.0	3.830701
7	1	58.1	7	-	-	4.048836
8	1	59.3	17	-	-	5.081223
9	2	93.7	18	1105.0	-	5.431462
10	3	70.4	13	1312.0	1160.0	6.125508
11	2	53.6	18	1899.0	-	6.685940
12	2	84.1	12	1542.0	-	7.694322
13	2	57.7	6	1401.0	-	8.591306
14	1	93.8	9	-	-	9.116992
15	3	75.3	15	1585.0	1345.0	9.487018
16	1	98.0	16	-	-	10.284619

Table 38 - HT40 Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
17	2	82.2	9	1641.0	-	10.789074
18	2	59.7	6	1891.0	-	11.824765

Table 39 - HT40 Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.8	6	1658.0	-	0.973347
2	1	50.0	8	-	-	1.852049
3	1	91.7	15	-	-	2.760733
4	1	51.2	6	-	-	4.606613
5	2	64.9	11	1319.0	-	5.793074
6	3	65.6	11	1680.0	1676.0	6.879366
7	2	75.7	10	1630.0	-	7.711632
8	2	66.6	15	1248.0	-	9.403704
9	1	55.1	11	-	-	9.780197
10	2	82.2	20	1420.0	-	11.990283

Table 40 - HT40 Long Sequence Waveform Trial#29 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	88.1	15	1015.0	-	0.367153
2	2	85.9	16	1302.0	-	1.126562
3	1	66.1	5	-	-	1.552574
4	2	99.3	19	1793.0	-	1.939174
5	2	98.8	9	1767.0	-	2.942478
6	3	72.5	9	1547.0	1685.0	3.063848
7	3	58.6	18	1949.0	1476.0	4.180768
8	3	84.9	18	1310.0	1830.0	4.385127
9	1	88.2	11	-	-	5.152359
10	3	82.7	8	1333.0	1673.0	5.664132
11	1	95.8	19	-	-	6.273633
12	2	58.6	11	1706.0	-	7.016542
13	2	88.5	11	1922.0	-	7.372435
14	3	87.3	7	1341.0	1100.0	8.294664
15	2	86.0	6	1723.0	-	8.543684
16	2	90.0	8	1770.0	-	9.411438
17	3	79.1	19	1267.0	1451.0	9.655983
18	1	82.5	9	-	-	10.274915
19	2	71.5	13	1801.0	-	11.284999
20	3	65.6	12	1817.0	1883.0	11.587610

Table 41 - HT40 Long Sequence Waveform Trial#30 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	75.0	6	1388.0	-	0.501956
2	2	91.8	13	1816.0	-	1.964898
3	1	64.3	15	-	-	3.523464
4	2	89.1	12	1884.0	-	4.979024
5	1	67.2	14	-	-	6.304812

Table 41 - HT40 Long Sequence Waveform Trial#30 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
6	2	99.7	16	1041.0	-	6.913715
7	2	85.8	12	1249.0	-	8.559455
8	1	50.7	10	-	-	10.157001
9	1	75.1	8	-	-	11.166092

Table 42 - FCC frequency hopping radar (Type 6) Results HT40

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5490.0MHz, -64.0dBm	Hop sequence: 5317, 5571, 5602, 5638, 5456, 5552, 5367, 5254, 5394, 5425, 5435, 5695, 5512, 5565, 5489, 5454, 5697, 5706, 5632, 5651, 5444, 5720, 5361, 5569, 5612, 5502, 5650, 5288, 5330, 5474, 5256, 5680, 5586, 5560, 5390, 5309, 5393, 5267, 5524, 5402, 5670, 5434, 5419, 5491, 5713, 5518, 5495, 5365, 5296, 5324, 5253, 5263, 5712, 5466, 5620, 5314, 5352, 5623, 5605, 5505, 5364, 5350, 5556, 5691, 5531, 5410, 5595, 5683, 5609, 5517, 5433, 5432, 5626, 5722, 5544, 5257, 5344, 5568, 5558, 5385, 5460, 5551, 5363, 5339, 5615, 5613, 5323, 5494, 5573, 5636, 5627, 5504, 5318, 5709, 5345, 5492, 5355, 5438, 5458, 5422 (11 hits) (02/08/2013 09:05:19 AM)
2	9	1.0	333.0	Yes	5491.0MHz, -64.0dBm	Hop sequence: 5703, 5396, 5394, 5488, 5306, 5546, 5379, 5320, 5481, 5592, 5518, 5600, 5286, 5356, 5469, 5491, 5574, 5580, 5372, 5282, 5645, 5700, 5502, 5307, 5309, 5401, 5676, 5412, 5438, 5384, 5559, 5667, 5725, 5635, 5477, 5625, 5430, 5408, 5609, 5292, 5485, 5538, 5341, 5630, 5436, 5413, 5605, 5579, 5461, 5572, 5713, 5634, 5706, 5271, 5631, 5649, 5549, 5683, 5290, 5274, 5402, 5304, 5619, 5671, 5708, 5726, 5339, 5685, 5325, 5639, 5328, 5251, 5564, 5567, 5253, 5410, 5315, 5454, 5346, 5681, 5679, 5523, 5693, 5266, 5473, 5561, 5606, 5633, 5375, 5588, 5692, 5352, 5452, 5388, 5369, 5641, 5360, 5480, 5576, 5280 (4 hits) (02/08/2013 09:07:00 AM)

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5656, 5324, 5331, 5507, 5680, 5484, 5372, 5713, 5569, 5416, 5276, 5601, 5368, 5304, 5277, 5437, 5500, 5624, 5546, 5252, 5451, 5365, 5585, 5530, 5366, 5330, 5584, 5722, 5531, 5355, 5375, 5314, 5547, 5342, 5403, 5497, 5513, 5501, 5385, 5321, 5659, 5631, 5655, 5323, 5457, 5543, 5307, 5561, 5508, 5698, 5433, 5576, 5322, 5651, 5654, 5607, 5673, 5472, 5697, 5391, 5450, 5270, 5379, 5279, 5540, 5301, 5426, 5537, 5392, 5295, 5630, 5704, 5700, 5293, 5687, 5496, 5468, 5296, 5310, 5685, 5412, 5395, 5662, 5282, 5470, 5290, 5480, 5264, 5447, 5517, 5552, 5373, 5691, 5686, 5557, 5701, 5474, 5488, 5320, 5370 (9 hits) (02/08/2013 09:07:26 AM)
4	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5391, 5651, 5495, 5696, 5497, 5697, 5544, 5585, 5395, 5463, 5570, 5338, 5388, 5269, 5683, 5520, 5579, 5450, 5632, 5571, 5688, 5413, 5708, 5723, 5686, 5444, 5528, 5487, 5518, 5517, 5593, 5673, 5478, 5371, 5303, 5532, 5590, 5692, 5470, 5666, 5415, 5457, 5568, 5473, 5631, 5320, 5649, 5383, 5333, 5414, 5592, 5606, 5661, 5607, 5493, 5393, 5416, 5408, 5417, 5297, 5691, 5684, 5411, 5491, 5390, 5675, 5687, 5404, 5252, 5702, 5443, 5402, 5256, 5530, 5707, 5439, 5616, 5519, 5704, 5507, 5278, 5511, 5302, 5566, 5663, 5563, 5589, 5403, 5467, 5669, 5332, 5639, 5449, 5573, 5306, 5319, 5480, 5595, 5713, 5716 (12 hits) (02/08/2013 09:07:44 AM)
5	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5293, 5441, 5648, 5438, 5466, 5711, 5540, 5409, 5478, 5379, 5286, 5655, 5268, 5508, 5313, 5428, 5355, 5288, 5565, 5725, 5303, 5487, 5642, 5701, 5398, 5553, 5264, 5416, 5692, 5359, 5316, 5679, 5592, 5598, 5575, 5440, 5327, 5275, 5336, 5578, 5705, 5393, 5465, 5700, 5572, 5298, 5554, 5621, 5549, 5624, 5347, 5686, 5516,

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5372, 5519, 5280, 5369, 5638, 5279, 5351, 5689, 5265, 5391, 5388, 5603, 5289, 5370, 5539, 5328, 5418, 5597, 5666, 5512, 5295, 5674, 5625, 5564, 5407, 5374, 5410, 5306, 5527, 5719, 5650, 5477, 5588, 5662, 5480, 5463, 5507, 5644, 5431, 5518, 5346, 5384, 5505, 5371, 5470, 5381, 5253 (8 hits) (02/08/2013 09:07:59 AM)
6	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5298, 5569, 5593, 5307, 5589, 5329, 5584, 5398, 5321, 5467, 5411, 5476, 5635, 5596, 5333, 5276, 5326, 5666, 5639, 5308, 5724, 5699, 5609, 5348, 5397, 5261, 5277, 5709, 5269, 5389, 5318, 5714, 5600, 5627, 5608, 5708, 5679, 5720, 5323, 5675, 5617, 5625, 5541, 5253, 5460, 5306, 5346, 5527, 5716, 5522, 5265, 5290, 5661, 5271, 5534, 5339, 5454, 5429, 5412, 5313, 5474, 5692, 5285, 5358, 5349, 5317, 5658, 5259, 5694, 5564, 5512, 5395, 5315, 5495, 5624, 5528, 5417, 5601, 5659, 5539, 5351, 5270, 5492, 5536, 5499, 5643, 5439, 5404, 5387, 5509, 5705, 5572, 5350, 5447, 5469, 5305, 5700, 5582, 5634, 5440 (8 hits) (02/08/2013 09:09:18 AM)
7	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5614, 5532, 5404, 5528, 5290, 5331, 5470, 5475, 5675, 5631, 5685, 5724, 5330, 5501, 5305, 5629, 5626, 5387, 5472, 5365, 5337, 5265, 5664, 5589, 5558, 5594, 5625, 5407, 5590, 5650, 5459, 5519, 5315, 5397, 5647, 5283, 5345, 5581, 5627, 5669, 5708, 5424, 5643, 5310, 5695, 5317, 5611, 5441, 5406, 5385, 5525, 5349, 5433, 5583, 5350, 5623, 5507, 5705, 5610, 5357, 5550, 5314, 5348, 5430, 5548, 5567, 5572, 5710, 5328, 5286, 5499, 5668, 5363, 5599, 5489, 5716, 5577, 5486, 5390, 5322, 5551, 5378, 5609, 5334, 5394, 5336, 5399, 5300, 5307, 5421, 5505, 5687, 5652, 5386, 5657, 5644, 5693, 5359, 5455, 5446 (7 hits) (02/08/2013 09:09:48 AM)

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5256, 5535, 5356, 5556, 5516, 5510, 5713, 5717, 5577, 5561, 5422, 5557, 5423, 5662, 5305, 5316, 5351, 5390, 5634, 5399, 5313, 5432, 5335, 5437, 5409, 5393, 5278, 5543, 5500, 5499, 5366, 5400, 5548, 5654, 5257, 5681, 5619, 5692, 5631, 5343, 5553, 5281, 5357, 5269, 5552, 5544, 5660, 5477, 5674, 5633, 5318, 5419, 5391, 5491, 5333, 5464, 5697, 5702, 5707, 5673, 5347, 5473, 5559, 5646, 5627, 5494, 5684, 5569, 5530, 5488, 5326, 5360, 5598, 5583, 5708, 5533, 5297, 5456, 5725, 5279, 5592, 5550, 5661, 5287, 5641, 5266, 5563, 5656, 5383, 5442, 5608, 5534, 5625, 5653, 5554, 5465, 5427, 5412, 5716, 5407 (7 hits) (02/08/2013 09:10:08 AM)
9	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5286, 5495, 5619, 5475, 5407, 5518, 5282, 5570, 5482, 5461, 5489, 5331, 5499, 5690, 5653, 5510, 5443, 5583, 5565, 5463, 5441, 5529, 5602, 5285, 5414, 5365, 5466, 5538, 5281, 5322, 5415, 5623, 5410, 5580, 5537, 5472, 5494, 5260, 5683, 5408, 5492, 5568, 5301, 5355, 5278, 5585, 5297, 5557, 5388, 5402, 5490, 5259, 5635, 5250, 5438, 5721, 5596, 5435, 5691, 5356, 5581, 5539, 5263, 5664, 5723, 5680, 5644, 5682, 5507, 5670, 5571, 5252, 5713, 5314, 5519, 5257, 5390, 5594, 5648, 5342, 5533, 5487, 5638, 5497, 5480, 5361, 5312, 5677, 5374, 5446, 5327, 5377, 5536, 5609, 5395, 5582, 5506, 5559, 5633, 5591 (12 hits) (02/08/2013 09:10:21 AM)
10	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5337, 5669, 5317, 5510, 5685, 5425, 5624, 5621, 5452, 5419, 5490, 5661, 5663, 5503, 5619, 5515, 5668, 5478, 5378, 5422, 5434, 5631, 5543, 5615, 5529, 5483, 5716, 5553, 5380, 5548, 5318, 5340, 5595, 5414, 5492, 5517, 5713, 5482, 5279, 5443, 5660, 5391, 5450, 5509, 5650, 5626, 5309, 5481, 5710, 5389, 5446, 5411, 5272,

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5541, 5307, 5420, 5275, 5530, 5655, 5399, 5592, 5328, 5693, 5714, 5641, 5423, 5587, 5321, 5346, 5398, 5647, 5645, 5558, 5598, 5324, 5276, 5433, 5551, 5426, 5386, 5601, 5485, 5479, 5397, 5605, 5711, 5613, 5343, 5581, 5326, 5413, 5680, 5355, 5585, 5696, 5449, 5589, 5632, 5493, 5253 (10 hits) (02/08/2013 09:10:31 AM)
11	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5312, 5583, 5564, 5486, 5295, 5531, 5605, 5634, 5616, 5627, 5387, 5563, 5558, 5419, 5337, 5712, 5441, 5359, 5614, 5606, 5465, 5468, 5401, 5396, 5679, 5413, 5648, 5689, 5574, 5654, 5532, 5594, 5427, 5281, 5720, 5699, 5324, 5308, 5491, 5364, 5655, 5400, 5317, 5414, 5496, 5348, 5453, 5553, 5701, 5690, 5454, 5520, 5508, 5652, 5556, 5639, 5280, 5335, 5637, 5595, 5253, 5682, 5447, 5506, 5538, 5599, 5393, 5708, 5542, 5526, 5367, 5263, 5635, 5530, 5426, 5587, 5548, 5710, 5694, 5647, 5575, 5471, 5638, 5315, 5290, 5430, 5276, 5332, 5523, 5588, 5674, 5572, 5678, 5291, 5664, 5504, 5659, 5314, 5311, 5705 (9 hits) (02/08/2013 09:20:24 AM)
12	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5701, 5363, 5671, 5693, 5492, 5463, 5342, 5516, 5377, 5495, 5527, 5319, 5564, 5582, 5258, 5692, 5489, 5606, 5255, 5453, 5638, 5372, 5456, 5690, 5286, 5331, 5371, 5425, 5355, 5626, 5570, 5348, 5700, 5549, 5302, 5541, 5304, 5510, 5393, 5337, 5628, 5721, 5568, 5716, 5309, 5635, 5615, 5276, 5313, 5394, 5717, 5663, 5297, 5367, 5435, 5386, 5320, 5341, 5293, 5500, 5602, 5505, 5451, 5314, 5300, 5414, 5512, 5384, 5494, 5340, 5509, 5412, 5378, 5270, 5428, 5599, 5646, 5533, 5682, 5283, 5713, 5280, 5296, 5272, 5557, 5484, 5714, 5644, 5504, 5702, 5259, 5446, 5357, 5584, 5634, 5493, 5263, 5539, 5538, 5519 (13 hits) (02/08/2013 09:21:19 AM)

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5693, 5647, 5450, 5258, 5632, 5625, 5516, 5621, 5691, 5424, 5687, 5623, 5606, 5652, 5423, 5325, 5462, 5579, 5564, 5294, 5535, 5543, 5303, 5392, 5495, 5354, 5566, 5639, 5502, 5362, 5353, 5361, 5262, 5498, 5666, 5446, 5671, 5491, 5302, 5645, 5448, 5586, 5412, 5411, 5601, 5333, 5571, 5425, 5648, 5494, 5297, 5555, 5585, 5324, 5357, 5538, 5298, 5655, 5560, 5458, 5396, 5331, 5528, 5523, 5611, 5305, 5449, 5641, 5336, 5337, 5340, 5479, 5616, 5413, 5581, 5382, 5624, 5381, 5375, 5720, 5255, 5558, 5320, 5592, 5429, 5404, 5595, 5264, 5477, 5597, 5673, 5678, 5697, 5527, 5638, 5369, 5416, 5551, 5575, 5714 (9 hits) (02/08/2013 09:22:10 AM)
14	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5486, 5520, 5442, 5339, 5283, 5427, 5724, 5660, 5611, 5659, 5332, 5267, 5446, 5382, 5357, 5399, 5460, 5369, 5536, 5307, 5701, 5560, 5627, 5510, 5618, 5475, 5530, 5455, 5567, 5273, 5613, 5656, 5343, 5568, 5419, 5525, 5583, 5719, 5384, 5309, 5314, 5414, 5465, 5330, 5534, 5677, 5562, 5497, 5707, 5710, 5281, 5276, 5491, 5527, 5566, 5350, 5600, 5708, 5585, 5555, 5376, 5461, 5405, 5415, 5580, 5422, 5338, 5375, 5365, 5425, 5599, 5657, 5619, 5439, 5368, 5650, 5639, 5266, 5588, 5488, 5295, 5383, 5397, 5454, 5434, 5420, 5628, 5644, 5579, 5664, 5658, 5428, 5492, 5335, 5270, 5692, 5606, 5511, 5361, 5623 (9 hits) (02/08/2013 09:22:35 AM)
15	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5509, 5723, 5620, 5447, 5351, 5626, 5505, 5350, 5640, 5652, 5481, 5371, 5602, 5660, 5615, 5441, 5594, 5474, 5590, 5625, 5293, 5488, 5379, 5573, 5256, 5263, 5582, 5621, 5495, 5722, 5408, 5583, 5292, 5376, 5493, 5305, 5649, 5426, 5571, 5577, 5469, 5500, 5546, 5290, 5601, 5502, 5564, 5653, 5606, 5612, 5517, 5465, 5454,

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5288, 5559, 5275, 5365, 5347, 5679, 5331, 5688, 5536, 5295, 5463, 5585, 5424, 5388, 5429, 5596, 5430, 5576, 5703, 5511, 5459, 5637, 5392, 5422, 5406, 5532, 5697, 5618, 5597, 5508, 5362, 5552, 5519, 5638, 5283, 5412, 5409, 5491, 5551, 5613, 5611, 5680, 5396, 5348, 5545, 5524, 5269 (12 hits) (02/08/2013 09:22:54 AM)
16	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5305, 5541, 5436, 5673, 5413, 5691, 5296, 5592, 5409, 5683, 5446, 5319, 5654, 5291, 5263, 5400, 5349, 5554, 5519, 5485, 5367, 5529, 5569, 5281, 5363, 5387, 5655, 5624, 5663, 5360, 5338, 5458, 5581, 5470, 5657, 5288, 5460, 5264, 5647, 5308, 5472, 5502, 5298, 5557, 5723, 5500, 5411, 5452, 5403, 5562, 5575, 5698, 5615, 5353, 5640, 5327, 5521, 5481, 5514, 5453, 5486, 5323, 5659, 5544, 5649, 5576, 5293, 5402, 5385, 5685, 5705, 5350, 5377, 5417, 5451, 5383, 5462, 5503, 5330, 5391, 5692, 5275, 5652, 5566, 5339, 5478, 5423, 5407, 5617, 5674, 5672, 5324, 5277, 5597, 5571, 5573, 5382, 5270, 5461, 5424 (7 hits) (02/08/2013 09:23:24 AM)
17	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5671, 5644, 5663, 5541, 5623, 5539, 5329, 5497, 5401, 5501, 5475, 5532, 5316, 5570, 5566, 5610, 5490, 5468, 5314, 5549, 5515, 5365, 5672, 5519, 5669, 5338, 5534, 5632, 5481, 5664, 5255, 5537, 5395, 5540, 5455, 5293, 5553, 5710, 5277, 5315, 5709, 5321, 5409, 5661, 5719, 5637, 5305, 5445, 5630, 5662, 5422, 5617, 5358, 5649, 5725, 5611, 5633, 5352, 5546, 5285, 5678, 5396, 5698, 5431, 5521, 5581, 5722, 5500, 5356, 5476, 5256, 5675, 5415, 5418, 5279, 5426, 5696, 5263, 5270, 5507, 5438, 5334, 5326, 5625, 5665, 5324, 5320, 5493, 5491, 5362, 5261, 5718, 5648, 5695, 5432, 5626, 5381, 5311, 5522, 5533 (11 hits) (02/08/2013 09:23:34 AM)

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
18	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5339, 5671, 5317, 5256, 5268, 5633, 5390, 5380, 5385, 5252, 5521, 5704, 5253, 5406, 5527, 5342, 5562, 5360, 5637, 5536, 5655, 5538, 5685, 5567, 5435, 5310, 5322, 5572, 5456, 5545, 5613, 5595, 5523, 5500, 5695, 5639, 5399, 5405, 5443, 5353, 5386, 5494, 5660, 5691, 5301, 5412, 5543, 5565, 5255, 5295, 5601, 5454, 5561, 5658, 5283, 5642, 5411, 5612, 5552, 5506, 5369, 5524, 5725, 5497, 5634, 5710, 5461, 5341, 5558, 5678, 5415, 5260, 5397, 5467, 5265, 5687, 5267, 5598, 5584, 5629, 5349, 5682, 5459, 5608, 5289, 5547, 5337, 5488, 5694, 5251, 5511, 5352, 5539, 5620, 5531, 5298, 5351, 5573, 5659, 5262 (9 hits) (02/08/2013 09:23:46 AM)
19	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5547, 5563, 5624, 5591, 5698, 5685, 5658, 5336, 5676, 5288, 5447, 5388, 5723, 5683, 5260, 5339, 5504, 5689, 5570, 5320, 5494, 5659, 5280, 5489, 5651, 5445, 5530, 5631, 5625, 5390, 5343, 5472, 5459, 5649, 5365, 5378, 5490, 5714, 5588, 5434, 5256, 5483, 5391, 5475, 5323, 5696, 5599, 5362, 5317, 5639, 5468, 5422, 5541, 5414, 5349, 5536, 5416, 5508, 5358, 5480, 5534, 5652, 5259, 5615, 5630, 5326, 5592, 5424, 5513, 5554, 5511, 5446, 5413, 5458, 5640, 5512, 5315, 5485, 5571, 5544, 5572, 5272, 5430, 5553, 5566, 5261, 5443, 5539, 5453, 5275, 5276, 5287, 5312, 5306, 5479, 5285, 5310, 5611, 5399, 5585 (8 hits) (02/08/2013 09:23:58 AM)
20	9	1.0	333.0	Yes	5509.0MHz, -64.0dBm	Hop sequence: 5565, 5555, 5724, 5626, 5462, 5364, 5615, 5571, 5355, 5597, 5282, 5697, 5494, 5436, 5695, 5683, 5545, 5573, 5280, 5527, 5457, 5315, 5608, 5460, 5591, 5260, 5265, 5257, 5551, 5484, 5705, 5507, 5363, 5541, 5679, 5263, 5523, 5708, 5652, 5510, 5403, 5356, 5399, 5676, 5339, 5491, 5365, 5272, 5554, 5614, 5610, 5629, 5394,

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5567, 5426, 5528, 5289, 5544, 5378, 5273, 5452, 5498, 5384, 5467, 5477, 5284, 5471, 5518, 5496, 5576, 5627, 5717, 5648, 5393, 5331, 5485, 5338, 5482, 5594, 5316, 5514, 5619, 5562, 5517, 5560, 5468, 5336, 5701, 5388, 5558, 5674, 5686, 5275, 5603, 5262, 5267, 5258, 5572, 5418, 5696 (12 hits) (02/08/2013 09:24:45 AM)
21	9	1.0	333.0	Yes	5510.0MHz, -64.0dBm	Hop sequence: 5589, 5559, 5276, 5722, 5711, 5471, 5382, 5295, 5547, 5566, 5408, 5325, 5511, 5324, 5707, 5593, 5430, 5358, 5535, 5666, 5342, 5262, 5402, 5482, 5282, 5725, 5519, 5292, 5445, 5646, 5526, 5565, 5473, 5347, 5284, 5585, 5409, 5572, 5393, 5701, 5257, 5306, 5600, 5660, 5255, 5578, 5355, 5449, 5700, 5286, 5426, 5675, 5291, 5575, 5665, 5261, 5624, 5372, 5613, 5311, 5652, 5456, 5258, 5657, 5724, 5317, 5697, 5384, 5407, 5521, 5362, 5357, 5556, 5498, 5504, 5485, 5278, 5639, 5319, 5376, 5510, 5374, 5508, 5713, 5719, 5543, 5686, 5392, 5588, 5557, 5662, 5528, 5328, 5671, 5574, 5590, 5496, 5601, 5649, 5605 (10 hits) (02/08/2013 09:25:01 AM)
22	9	1.0	333.0	Yes	5511.0MHz, -64.0dBm	Hop sequence: 5551, 5677, 5364, 5397, 5297, 5492, 5354, 5432, 5623, 5412, 5326, 5367, 5454, 5605, 5694, 5282, 5654, 5327, 5626, 5292, 5276, 5272, 5274, 5569, 5548, 5534, 5418, 5613, 5553, 5707, 5500, 5466, 5384, 5710, 5671, 5296, 5724, 5643, 5683, 5251, 5580, 5645, 5293, 5324, 5330, 5511, 5440, 5304, 5442, 5464, 5651, 5567, 5630, 5346, 5309, 5278, 5507, 5665, 5443, 5506, 5692, 5288, 5556, 5608, 5302, 5720, 5666, 5560, 5597, 5695, 5336, 5427, 5619, 5450, 5618, 5663, 5268, 5524, 5264, 5455, 5672, 5641, 5525, 5503, 5380, 5325, 5636, 5390, 5373, 5658, 5255, 5699, 5547, 5270, 5262, 5624, 5704, 5659, 5473, 5382 (8 hits) (02/08/2013 09:25:16 AM)

Table 42 - FCC frequency hopping radar (Type 6) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5512.0MHz, -64.0dBm	Hop sequence: 5527, 5542, 5362, 5563, 5312, 5502, 5575, 5683, 5399, 5573, 5554, 5344, 5343, 5436, 5318, 5652, 5413, 5317, 5303, 5495, 5285, 5386, 5630, 5701, 5339, 5292, 5363, 5689, 5375, 5269, 5453, 5515, 5621, 5719, 5564, 5693, 5485, 5612, 5431, 5372, 5513, 5294, 5261, 5713, 5623, 5444, 5561, 5553, 5463, 5489, 5270, 5562, 5459, 5709, 5656, 5255, 5421, 5491, 5287, 5314, 5654, 5253, 5615, 5672, 5271, 5401, 5340, 5334, 5644, 5402, 5617, 5404, 5310, 5434, 5587, 5289, 5296, 5263, 5723, 5476, 5551, 5298, 5501, 5325, 5408, 5332, 5357, 5382, 5338, 5707, 5254, 5304, 5349, 5628, 5481, 5710, 5508, 5379, 5647, 5682 (8 hits) (02/08/2013 09:25:30 AM)
24	9	1.0	333.0	Yes	5513.0MHz, -64.0dBm	Hop sequence: 5631, 5266, 5689, 5650, 5251, 5508, 5675, 5669, 5277, 5496, 5598, 5459, 5281, 5346, 5470, 5566, 5351, 5625, 5574, 5500, 5528, 5588, 5651, 5391, 5617, 5471, 5379, 5474, 5690, 5632, 5259, 5523, 5368, 5646, 5670, 5253, 5288, 5327, 5252, 5695, 5654, 5409, 5679, 5628, 5648, 5263, 5537, 5663, 5411, 5434, 5424, 5578, 5460, 5397, 5350, 5544, 5522, 5505, 5333, 5591, 5657, 5579, 5683, 5723, 5272, 5284, 5439, 5260, 5506, 5640, 5417, 5585, 5297, 5465, 5309, 5587, 5479, 5561, 5404, 5493, 5382, 5448, 5294, 5271, 5339, 5440, 5653, 5547, 5620, 5562, 5405, 5633, 5357, 5450, 5525, 5384, 5399, 5710, 5581, 5699 (10 hits) (02/08/2013 09:25:44 AM)
25	9	1.0	333.0	Yes	5514.0MHz, -64.0dBm	Hop sequence: 5298, 5410, 5598, 5615, 5324, 5261, 5267, 5255, 5448, 5492, 5434, 5678, 5396, 5263, 5661, 5693, 5649, 5527, 5428, 5688, 5637, 5691, 5625, 5454, 5258, 5616, 5416, 5273, 5332, 5517, 5656, 5562, 5699, 5322, 5640, 5535, 5493, 5376, 5490, 5350, 5269, 5647, 5250, 5550, 5311, 5686, 5653, 5320, 5421, 5641, 5415, 5397, 5632,

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5272, 5546, 5614, 5673, 5657, 5458, 5361, 5394, 5669, 5463, 5542, 5606, 5570, 5443, 5460, 5404, 5268, 5576, 5724, 5352, 5422, 5357, 5499, 5670, 5524, 5624, 5698, 5257, 5262, 5309, 5547, 5344, 5538, 5297, 5277, 5365, 5411, 5644, 5436, 5392, 5526, 5451, 5559, 5301, 5584, 5711, 5645 (8 hits) (02/08/2013 09:25:57 AM)
26	9	1.0	333.0	Yes	5515.0MHz, -64.0dBm	Hop sequence: 5630, 5422, 5477, 5652, 5293, 5305, 5691, 5670, 5453, 5472, 5656, 5709, 5511, 5665, 5351, 5253, 5409, 5252, 5697, 5358, 5467, 5563, 5309, 5484, 5551, 5530, 5528, 5582, 5595, 5417, 5413, 5592, 5307, 5558, 5320, 5678, 5314, 5723, 5420, 5688, 5708, 5445, 5526, 5537, 5535, 5281, 5368, 5705, 5457, 5654, 5500, 5499, 5301, 5456, 5717, 5386, 5640, 5619, 5437, 5555, 5510, 5452, 5462, 5288, 5540, 5337, 5716, 5486, 5696, 5461, 5402, 5629, 5267, 5692, 5680, 5291, 5628, 5263, 5403, 5501, 5295, 5546, 5321, 5408, 5543, 5308, 5590, 5666, 5393, 5610, 5376, 5626, 5367, 5350, 5698, 5407, 5313, 5364, 5385, 5297 (8 hits) (02/08/2013 09:26:07 AM)
27	9	1.0	333.0	Yes	5516.0MHz, -64.0dBm	Hop sequence: 5535, 5285, 5316, 5571, 5555, 5435, 5711, 5615, 5626, 5726, 5630, 5661, 5685, 5251, 5297, 5537, 5453, 5580, 5413, 5669, 5284, 5677, 5397, 5712, 5602, 5351, 5322, 5494, 5719, 5693, 5633, 5454, 5715, 5670, 5311, 5254, 5616, 5530, 5673, 5545, 5380, 5668, 5539, 5395, 5627, 5324, 5438, 5320, 5679, 5387, 5605, 5447, 5342, 5650, 5398, 5299, 5701, 5344, 5448, 5497, 5582, 5547, 5471, 5336, 5480, 5357, 5680, 5477, 5427, 5617, 5671, 5440, 5595, 5341, 5597, 5401, 5598, 5317, 5708, 5637, 5266, 5603, 5430, 5271, 5489, 5450, 5461, 5717, 5604, 5714, 5349, 5288, 5694, 5515, 5676, 5601, 5474, 5553, 5426, 5328 (4 hits) (02/08/2013 09:26:21 AM)

Table 42 - FCC frequency hopping radar (Type 6) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	9	1.0	333.0	Yes	5517.0MHz, -64.0dBm	Hop sequence: 5719, 5363, 5278, 5328, 5377, 5655, 5630, 5598, 5578, 5311, 5638, 5350, 5530, 5557, 5661, 5276, 5622, 5514, 5407, 5390, 5271, 5272, 5537, 5684, 5664, 5418, 5600, 5621, 5259, 5398, 5718, 5652, 5434, 5526, 5269, 5362, 5607, 5303, 5631, 5367, 5342, 5438, 5594, 5317, 5326, 5462, 5555, 5375, 5489, 5516, 5273, 5535, 5268, 5297, 5660, 5482, 5633, 5627, 5713, 5316, 5396, 5512, 5295, 5525, 5307, 5433, 5646, 5361, 5478, 5391, 5285, 5635, 5518, 5623, 5590, 5440, 5543, 5470, 5419, 5365, 5581, 5564, 5410, 5270, 5639, 5308, 5332, 5586, 5364, 5709, 5299, 5479, 5496, 5345, 5403, 5705, 5507, 5320, 5424, 5416 (9 hits) (02/08/2013 09:26:29 AM)
29	9	1.0	333.0	Yes	5518.0MHz, -64.0dBm	Hop sequence: 5609, 5549, 5344, 5588, 5673, 5617, 5525, 5373, 5356, 5352, 5318, 5720, 5343, 5388, 5674, 5432, 5599, 5694, 5374, 5585, 5711, 5292, 5416, 5316, 5305, 5629, 5708, 5257, 5328, 5265, 5568, 5470, 5347, 5447, 5420, 5724, 5387, 5472, 5621, 5408, 5721, 5578, 5519, 5632, 5401, 5252, 5380, 5441, 5379, 5442, 5489, 5573, 5410, 5699, 5282, 5337, 5385, 5360, 5602, 5592, 5695, 5301, 5340, 5299, 5508, 5576, 5494, 5310, 5443, 5504, 5327, 5471, 5600, 5463, 5681, 5596, 5320, 5273, 5618, 5286, 5557, 5309, 5705, 5682, 5589, 5466, 5640, 5486, 5676, 5402, 5480, 5469, 5536, 5403, 5512, 5542, 5462, 5297, 5554, 5611 (6 hits) (02/08/2013 09:26:38 AM)
30	9	1.0	333.0	Yes	5519.0MHz, -64.0dBm	Hop sequence: 5529, 5698, 5627, 5488, 5301, 5711, 5663, 5530, 5669, 5713, 5333, 5282, 5343, 5250, 5568, 5425, 5680, 5689, 5324, 5509, 5624, 5647, 5288, 5386, 5388, 5703, 5514, 5413, 5548, 5460, 5547, 5315, 5350, 5521, 5260, 5502, 5277, 5455, 5279, 5581, 5374, 5411, 5718, 5648, 5528, 5490, 5406, 5310, 5454, 5655, 5426, 5626, 5476,

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5483, 5605, 5500, 5497, 5299, 5417, 5673, 5667, 5608, 5477, 5251, 5369, 5625, 5716, 5376, 5629, 5721, 5610, 5542, 5345, 5431, 5262, 5323, 5670, 5602, 5652, 5517, 5586, 5450, 5622, 5273, 5567, 5341, 5269, 5316, 5628, 5318, 5510, 5322, 5377, 5348, 5641, 5440, 5631, 5615, 5379, 5597 (12 hits) (02/08/2013 09:26:51 AM)
31	9	1.0	333.0	Yes	5520.0MHz, -64.0dBm	Hop sequence: 5475, 5690, 5525, 5412, 5343, 5296, 5707, 5367, 5473, 5265, 5516, 5539, 5297, 5560, 5372, 5461, 5624, 5605, 5712, 5551, 5523, 5396, 5544, 5391, 5276, 5262, 5647, 5339, 5284, 5252, 5623, 5556, 5533, 5455, 5404, 5477, 5645, 5271, 5457, 5362, 5639, 5323, 5526, 5635, 5341, 5378, 5637, 5520, 5612, 5377, 5365, 5524, 5439, 5678, 5337, 5568, 5502, 5537, 5389, 5395, 5667, 5511, 5494, 5310, 5558, 5588, 5563, 5303, 5607, 5679, 5340, 5649, 5705, 5335, 5300, 5518, 5661, 5353, 5428, 5290, 5469, 5431, 5497, 5383, 5336, 5467, 5256, 5420, 5666, 5664, 5449, 5270, 5616, 5364, 5508, 5360, 5636, 5371, 5498, 5681 (13 hits) (02/08/2013 09:27:03 AM)
32	9	1.0	333.0	Yes	5521.0MHz, -64.0dBm	Hop sequence: 5585, 5668, 5553, 5391, 5267, 5527, 5479, 5299, 5672, 5670, 5316, 5266, 5654, 5651, 5289, 5313, 5415, 5342, 5461, 5609, 5568, 5544, 5475, 5495, 5488, 5517, 5424, 5481, 5433, 5577, 5529, 5601, 5487, 5592, 5550, 5401, 5270, 5355, 5591, 5423, 5551, 5330, 5669, 5283, 5519, 5620, 5349, 5657, 5682, 5442, 5510, 5339, 5363, 5379, 5458, 5505, 5616, 5274, 5297, 5565, 5320, 5673, 5338, 5392, 5447, 5467, 5706, 5255, 5675, 5700, 5499, 5515, 5552, 5334, 5535, 5506, 5438, 5683, 5580, 5359, 5628, 5278, 5459, 5395, 5360, 5290, 5587, 5653, 5693, 5631, 5366, 5500, 5534, 5496, 5695, 5572, 5310, 5671, 5486, 5469 (12 hits) (02/08/2013 09:27:17 AM)

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5522.0MHz, -64.0dBm	Hop sequence: 5303, 5287, 5366, 5624, 5352, 5355, 5578, 5501, 5419, 5497, 5589, 5475, 5276, 5715, 5609, 5463, 5290, 5610, 5655, 5457, 5477, 5516, 5542, 5561, 5646, 5707, 5300, 5509, 5557, 5569, 5359, 5387, 5658, 5401, 5688, 5510, 5489, 5614, 5392, 5460, 5296, 5318, 5399, 5333, 5385, 5651, 5649, 5337, 5675, 5592, 5719, 5607, 5430, 5326, 5368, 5396, 5710, 5621, 5704, 5594, 5522, 5548, 5581, 5643, 5380, 5636, 5275, 5638, 5503, 5304, 5400, 5645, 5514, 5695, 5687, 5448, 5410, 5524, 5708, 5652, 5439, 5398, 5622, 5281, 5310, 5504, 5564, 5307, 5580, 5456, 5703, 5440, 5319, 5302, 5425, 5418, 5611, 5291, 5415, 5694 (10 hits) (02/08/2013 09:27:27 AM)
34	9	1.0	333.0	Yes	5523.0MHz, -64.0dBm	Hop sequence: 5480, 5681, 5364, 5452, 5472, 5296, 5588, 5454, 5590, 5442, 5604, 5626, 5662, 5326, 5637, 5254, 5450, 5261, 5365, 5395, 5441, 5513, 5429, 5498, 5546, 5527, 5569, 5643, 5458, 5586, 5704, 5576, 5655, 5565, 5635, 5605, 5495, 5538, 5455, 5421, 5477, 5553, 5336, 5339, 5687, 5631, 5433, 5587, 5695, 5473, 5320, 5710, 5334, 5456, 5499, 5260, 5366, 5367, 5323, 5438, 5308, 5653, 5629, 5537, 5651, 5377, 5269, 5561, 5521, 5345, 5711, 5459, 5356, 5508, 5420, 5603, 5282, 5578, 5400, 5615, 5252, 5389, 5313, 5290, 5622, 5427, 5545, 5699, 5448, 5361, 5680, 5348, 5362, 5654, 5350, 5449, 5349, 5572, 5533, 5541 (7 hits) (02/08/2013 09:27:35 AM)
35	9	1.0	333.0	Yes	5524.0MHz, -64.0dBm	Hop sequence: 5547, 5626, 5316, 5273, 5702, 5326, 5363, 5578, 5653, 5275, 5301, 5404, 5324, 5314, 5477, 5300, 5403, 5343, 5267, 5607, 5708, 5661, 5413, 5665, 5350, 5260, 5577, 5263, 5602, 5556, 5497, 5679, 5536, 5546, 5558, 5335, 5655, 5426, 5622, 5479, 5720, 5509, 5448, 5308, 5568, 5421, 5359, 5254, 5409, 5318, 5365, 5725, 5487,

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5523, 5378, 5459, 5323, 5302, 5462, 5719, 5633, 5328, 5344, 5668, 5530, 5287, 5257, 5361, 5334, 5608, 5654, 5678, 5700, 5639, 5681, 5721, 5264, 5659, 5645, 5545, 5313, 5573, 5442, 5306, 5584, 5574, 5290, 5620, 5628, 5663, 5640, 5583, 5575, 5712, 5332, 5304, 5336, 5552, 5322, 5670 (4 hits) (02/08/2013 09:27:46 AM)
36	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5541, 5503, 5708, 5461, 5433, 5646, 5653, 5381, 5333, 5666, 5549, 5505, 5341, 5588, 5605, 5362, 5623, 5721, 5523, 5354, 5371, 5644, 5665, 5267, 5383, 5579, 5416, 5377, 5406, 5428, 5455, 5283, 5259, 5315, 5452, 5654, 5504, 5423, 5405, 5520, 5524, 5319, 5557, 5347, 5552, 5412, 5413, 5613, 5294, 5313, 5491, 5577, 5655, 5611, 5551, 5637, 5253, 5457, 5391, 5360, 5600, 5500, 5544, 5722, 5495, 5445, 5484, 5643, 5427, 5553, 5300, 5681, 5485, 5430, 5658, 5702, 5501, 5700, 5330, 5278, 5480, 5260, 5434, 5444, 5372, 5519, 5726, 5466, 5252, 5696, 5368, 5435, 5636, 5514, 5440, 5709, 5496, 5691, 5494, 5448 (14 hits) (02/08/2013 09:27:55 AM)
37	9	1.0	333.0	Yes	5526.0MHz, -64.0dBm	Hop sequence: 5646, 5411, 5259, 5503, 5535, 5665, 5344, 5579, 5365, 5422, 5512, 5514, 5447, 5701, 5402, 5342, 5704, 5606, 5457, 5581, 5460, 5271, 5476, 5413, 5611, 5513, 5558, 5688, 5516, 5564, 5266, 5655, 5362, 5584, 5702, 5420, 5348, 5396, 5469, 5302, 5519, 5432, 5544, 5252, 5462, 5475, 5722, 5436, 5273, 5710, 5470, 5488, 5399, 5652, 5426, 5257, 5490, 5314, 5593, 5293, 5711, 5685, 5559, 5499, 5395, 5567, 5304, 5550, 5649, 5459, 5678, 5520, 5548, 5442, 5589, 5694, 5721, 5381, 5281, 5458, 5341, 5569, 5511, 5522, 5648, 5603, 5491, 5473, 5380, 5485, 5433, 5326, 5291, 5568, 5642, 5317, 5692, 5479, 5278, 5431 (12 hits) (02/08/2013 09:28:04 AM)

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
38	9	1.0	333.0	Yes	5527.0MHz, -64.0dBm	Hop sequence: 5439, 5548, 5342, 5282, 5492, 5328, 5370, 5334, 5517, 5526, 5341, 5641, 5421, 5671, 5592, 5311, 5452, 5435, 5497, 5594, 5306, 5393, 5677, 5622, 5382, 5523, 5256, 5448, 5442, 5524, 5320, 5422, 5562, 5255, 5582, 5708, 5313, 5685, 5684, 5253, 5376, 5265, 5660, 5357, 5336, 5635, 5490, 5407, 5411, 5680, 5277, 5395, 5621, 5453, 5318, 5450, 5274, 5629, 5541, 5596, 5718, 5272, 5378, 5430, 5512, 5672, 5496, 5634, 5674, 5701, 5615, 5648, 5353, 5723, 5401, 5263, 5257, 5269, 5276, 5355, 5273, 5624, 5480, 5372, 5540, 5661, 5675, 5487, 5500, 5323, 5268, 5530, 5425, 5266, 5332, 5446, 5481, 5451, 5652, 5724 (11 hits) (02/08/2013 09:28:16 AM)
39	9	1.0	333.0	Yes	5528.0MHz, -64.0dBm	Hop sequence: 5714, 5545, 5395, 5586, 5527, 5520, 5637, 5300, 5614, 5568, 5609, 5486, 5605, 5322, 5703, 5604, 5418, 5684, 5264, 5473, 5271, 5689, 5512, 5375, 5712, 5474, 5692, 5600, 5502, 5262, 5433, 5448, 5483, 5453, 5585, 5336, 5335, 5551, 5283, 5532, 5441, 5404, 5348, 5270, 5675, 5307, 5425, 5447, 5508, 5299, 5539, 5643, 5581, 5358, 5257, 5678, 5653, 5467, 5357, 5380, 5278, 5382, 5593, 5399, 5439, 5466, 5626, 5677, 5533, 5708, 5557, 5705, 5555, 5664, 5505, 5458, 5266, 5304, 5475, 5389, 5603, 5341, 5424, 5587, 5688, 5561, 5710, 5559, 5630, 5280, 5654, 5513, 5503, 5344, 5719, 5332, 5661, 5443, 5642, 5310 (8 hits) (02/08/2013 09:28:24 AM)
40	9	1.0	333.0	Yes	5529.0MHz, -64.0dBm	Hop sequence: 5583, 5275, 5653, 5719, 5634, 5546, 5643, 5435, 5539, 5593, 5600, 5603, 5711, 5357, 5346, 5299, 5288, 5483, 5285, 5510, 5344, 5725, 5448, 5592, 5702, 5706, 5268, 5682, 5474, 5425, 5690, 5397, 5633, 5705, 5601, 5628, 5283, 5324, 5559, 5664, 5470, 5499, 5437, 5287, 5414, 5353, 5372, 5454, 5273, 5555, 5715, 5545, 5464,

Table 42 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5632, 5440, 5550, 5478, 5465, 5376, 5594, 5251, 5681, 5439, 5721, 5573, 5589, 5525, 5469, 5311, 5613, 5584, 5567, 5636, 5365, 5453, 5626, 5578, 5617, 5410, 5604, 5374, 5450, 5668, 5697, 5723, 5481, 5318, 5262, 5407, 5714, 5563, 5400, 5406, 5351, 5366, 5587, 5639, 5707, 5492, 5402 (4 hits) (02/08/2013 09:28:33 AM)
41	9	1.0	333.0	Yes	5530.0MHz, -64.0dBm	Hop sequence: 5447, 5560, 5518, 5301, 5719, 5715, 5570, 5461, 5587, 5559, 5641, 5314, 5699, 5690, 5476, 5445, 5275, 5628, 5655, 5599, 5271, 5704, 5675, 5716, 5253, 5292, 5336, 5327, 5548, 5282, 5278, 5296, 5497, 5252, 5284, 5469, 5586, 5686, 5369, 5533, 5387, 5509, 5374, 5472, 5698, 5399, 5499, 5627, 5710, 5608, 5262, 5376, 5526, 5256, 5722, 5392, 5681, 5466, 5413, 5276, 5388, 5657, 5720, 5638, 5490, 5414, 5358, 5680, 5679, 5315, 5515, 5273, 5714, 5475, 5678, 5566, 5370, 5563, 5512, 5636, 5711, 5611, 5331, 5572, 5702, 5368, 5396, 5706, 5507, 5299, 5254, 5536, 5491, 5696, 5424, 5477, 5668, 5516, 5263, 5581 (11 hits) (02/08/2013 09:28:42 AM)

Table 43 - HT20Detection Bandwidth Measurements (Bandwidth: +11MHz /-11MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5488.00 MHz	2	3	40
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5489.00 MHz	9	1	90
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5490.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100

Table 43 - HT20Detection Bandwidth Measurements (Bandwidth: +11MHz /-11MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5510.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5511.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5512.00 MHz	3	3	50

Table 44 - Summary of All Results - HT20

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	90.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	83.3 %	60.0 %	30	PASSED
Aggregate of above results	91.7 %	80.0 %	120	PASSED
Long Sequence	100.0 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	97.8 %	70.0 %	46	PASSED

Table 45 - FCC Short Pulse Radar (Type 1) Results HT20

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 (02/08/2013 10:47:18 AM)
2	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 10:47:32 AM)
3	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 10:47:49 AM)
4	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 10:48:00 AM)
5	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 10:48:21 AM)
6	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 10:48:29 AM)
7	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 10:48:39 AM)
8	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 10:48:50 AM)
9	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 10:49:03 AM)
10	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 10:49:27 AM)
11	18	1.0	1428.0	No	5495.0MHz, -64.0dBm	Single burst (02/08/2013 10:49:43 AM)
12	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 10:49:58 AM)
13	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 10:50:08 AM)
14	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 10:50:19 AM)
15	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 10:50:30 AM)
16	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 10:50:42 AM)
17	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 10:51:05 AM)
18	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 10:51:16 AM)
19	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 10:56:27 AM)
20	18	1.0	1428.0	Yes	5495.0MHz,	Single burst (02/08/2013 10:57:43 AM)

Table 45 - FCC Short Pulse Radar (Type 1) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	AM)
21	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 10:59:34 AM)
22	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 10:59:46 AM)
23	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 10:59:55 AM)
24	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:00:04 AM)
25	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:00:14 AM)
26	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:00:22 AM)
27	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:00:39 AM)
28	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:00:51 AM)
29	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:01:01 AM)
30	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:01:11 AM)

Table 46 - FCC Short Pulse Radar (Type 2) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	26	3.8	195.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:02:00 AM)
2	27	1.5	226.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:03:54 AM)
3	27	2.0	167.0	No	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:04:06 AM)
4	28	4.3	205.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:04:29 AM)
5	28	2.8	182.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:04:39 AM)
6	29	4.6	152.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:04:48 AM)
7	25	3.6	180.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:04:56 AM)
8	27	2.4	229.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:05:18 AM)
9	28	4.2	216.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:05:29 AM)
10	25	3.4	187.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:05:40 AM)
11	26	3.5	154.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:05:54 AM)
12	24	4.2	226.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:06:13 AM)
13	27	1.1	191.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:06:22 AM)
14	26	1.5	218.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:06:33 AM)

Table 46 - FCC Short Pulse Radar (Type 2) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
15	26	2.6	162.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:06:44 AM)
16	27	2.2	224.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:06:54 AM)
17	25	4.7	205.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:07:05 AM)
18	29	1.8	179.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:07:16 AM)
19	26	2.0	219.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:07:26 AM)
20	25	2.7	180.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:07:35 AM)
21	28	3.3	166.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:07:46 AM)
22	29	4.5	216.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:07:57 AM)
23	27	4.7	164.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:08:06 AM)
24	23	1.6	174.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:08:14 AM)
25	25	2.1	165.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:08:23 AM)
26	25	3.8	194.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:08:30 AM)
27	26	2.1	151.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:08:40 AM)
28	25	2.9	177.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:08:49 AM)
29	24	1.0	219.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:08:57 AM)
30	24	3.7	151.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:09:08 AM)

Table 47 - FCC Short Pulse Radar (Type 3) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	8.6	391.0	No	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:09:52 AM)
2	18	9.9	465.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:10:06 AM)
3	18	9.9	377.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:10:21 AM)
4	17	6.4	444.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:10:30 AM)
5	18	7.1	309.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:10:40 AM)
6	17	9.5	490.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:11:41 AM)
7	17	6.4	233.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:11:49 AM)
8	17	8.1	357.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:11:58 AM)

Table 47 - FCC Short Pulse Radar (Type 3) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
9	17	9.3	243.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:12:07 AM)
10	17	9.9	308.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:12:15 AM)
11	16	9.3	243.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:12:25 AM)
12	18	6.5	348.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:12:42 AM)
13	18	6.8	476.0	No	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:13:12 AM)
14	18	7.3	214.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:13:26 AM)
15	16	9.4	446.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:13:36 AM)
16	17	9.0	331.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:13:46 AM)
17	16	7.9	230.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:13:55 AM)
18	16	9.5	380.0	No	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:14:05 AM)
19	17	7.9	468.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:14:19 AM)
20	16	8.8	291.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:14:29 AM)
21	17	7.9	435.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:14:42 AM)
22	17	7.7	245.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:14:55 AM)
23	16	9.6	480.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:15:07 AM)
24	17	9.1	240.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:15:18 AM)
25	18	6.3	248.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:15:29 AM)
26	18	7.9	221.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:15:38 AM)
27	18	9.9	451.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:15:51 AM)
28	17	9.1	456.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:15:59 AM)
29	17	6.4	350.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:16:09 AM)
30	18	7.1	304.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:16:17 AM)

Table 48 - FCC Short Pulse Radar (Type 4) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	12	16.0	402.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:17:05 AM)
2	13	18.9	225.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:17:18 AM)

Table 48 - FCC Short Pulse Radar (Type 4) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	15	18.9	476.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:17:26 AM)
4	15	14.5	302.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:17:34 AM)
5	15	13.4	307.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:17:45 AM)
6	14	17.0	268.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:17:56 AM)
7	14	12.1	474.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:18:04 AM)
8	16	16.1	381.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:18:15 AM)
9	14	12.6	485.0	No	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:18:23 AM)
10	12	13.9	326.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:18:34 AM)
11	15	17.0	402.0	No	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:19:01 AM)
12	12	11.7	411.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:19:14 AM)
13	13	19.0	221.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:19:22 AM)
14	13	16.4	376.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:19:34 AM)
15	13	17.6	366.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:19:43 AM)
16	12	15.8	347.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:20:11 AM)
17	14	17.5	438.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:20:22 AM)
18	16	16.6	219.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:20:32 AM)
19	13	11.3	270.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:20:42 AM)
20	12	14.0	226.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:20:51 AM)
21	12	11.6	255.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:20:59 AM)
22	14	16.5	408.0	No	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:21:10 AM)
23	16	17.0	462.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:21:25 AM)
24	14	13.1	386.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:21:34 AM)
25	15	14.3	247.0	No	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:21:42 AM)
26	14	17.1	319.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:21:57 AM)
27	13	15.5	318.0	No	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:22:06 AM)
28	14	11.1	283.0	Yes	5500.0MHz, -64.0dBm	Single burst (02/08/2013 11:22:20 AM)
29	15	15.6	224.0	Yes	5495.0MHz, -64.0dBm	Single burst (02/08/2013 11:22:29 AM)

Table 48 - FCC Short Pulse Radar (Type 4) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
30	12	14.4	280.0	Yes	5505.0MHz, -64.0dBm	Single burst (02/08/2013 11:22:40 AM)

Table 49 - Long Sequence Waveform Summary HT20

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	Detected	5500.0MHz, -64.0dBm
Trial #14	Detected	5495.0MHz, -64.0dBm
Trial #15	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
Trial #20	Detected	5495.0MHz, -64.0dBm
Trial #21	Detected	5505.0MHz, -64.0dBm
Trial #22	Detected	5500.0MHz, -64.0dBm
Trial #23	Detected	5495.0MHz, -64.0dBm

Table 49 - Long Sequence Waveform Summary HT20

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #24	Detected	5505.0MHz, -64.0dBm
Trial #25	Detected	5500.0MHz, -64.0dBm
Trial #26	Detected	5495.0MHz, -64.0dBm
Trial #27	Detected	5505.0MHz, -64.0dBm
Trial #28	Detected	5500.0MHz, -64.0dBm
Trial #29	Detected	5495.0MHz, -64.0dBm
Trial #30	Detected	5505.0MHz, -64.0dBm

Table 50 - HT20 Long Sequence Waveform Trial#1 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	71.0	16	1819.0	1285.0	0.054808
2	2	68.9	18	1287.0	-	1.710404
3	2	65.0	18	1229.0	-	2.618627
4	2	67.0	18	1732.0	-	3.707604
5	3	64.1	11	1233.0	1696.0	5.349312
6	3	77.8	10	1197.0	1841.0	5.938083
7	2	98.5	19	1747.0	-	7.376184
8	1	68.2	10	-	-	8.415420
9	1	53.5	7	-	-	9.392718
10	3	60.4	12	1624.0	1493.0	10.217176
11	2	52.3	15	1799.0	-	11.682654

Table 51 - HT20 Long Sequence Waveform Trial#2 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	52.1	11	1260.0	1000.0	0.162019
2	1	73.6	16	-	-	0.752092
3	2	86.5	14	1919.0	-	2.176241
4	2	92.4	16	1733.0	-	2.630588
5	2	66.6	11	1802.0	-	3.052509
6	2	98.0	18	1908.0	-	4.496216
7	2	79.8	20	1574.0	-	4.806094
8	2	64.2	7	1576.0	-	5.798169
9	3	89.5	18	1204.0	1980.0	6.129738
10	1	60.4	18	-	-	6.920702
11	3	59.0	13	1617.0	1328.0	7.852969
12	3	72.6	11	1597.0	1139.0	8.875967
13	2	58.6	18	1055.0	-	9.579893
14	1	84.4	10	-	-	9.816529
15	1	68.6	8	-	-	11.197870
16	3	63.7	9	1707.0	1649.0	11.831575

Table 52 - HT20 Long Sequence Waveform Trial#3 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	83.6	20	-	-	0.293037
2	2	73.3	11	1100.0	-	0.819614
3	2	85.0	20	1439.0	-	1.612452
4	2	97.9	13	1300.0	-	2.457027
5	2	51.5	20	1657.0	-	2.860364
6	1	53.9	7	-	-	3.772274
7	3	86.0	18	1605.0	1558.0	4.294406
8	3	63.9	14	1222.0	1112.0	4.780312
9	1	75.4	8	-	-	5.737302
10	1	57.2	20	-	-	6.595326
11	2	50.7	8	1634.0	-	7.323792
12	2	60.9	12	1741.0	-	7.938221
13	1	92.7	19	-	-	8.101050
14	2	94.3	7	1868.0	-	8.973914
15	1	86.6	17	-	-	9.447811
16	2	69.4	9	1384.0	-	10.656338
17	1	58.9	6	-	-	10.696514
18	2	94.4	15	1514.0	-	11.891789

Table 53 - HT20 Long Sequence Waveform Trial#4 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	96.5	15	-	-	0.476266
2	3	95.0	16	1582.0	1457.0	1.381267
3	2	81.4	18	1959.0	-	2.016060
4	2	63.6	11	1024.0	-	2.992846
5	1	51.8	12	-	-	3.932123
6	1	70.1	16	-	-	4.458056
7	3	85.2	18	1384.0	1115.0	5.271880
8	2	75.9	20	1456.0	-	6.368955
9	2	93.8	19	1575.0	-	6.949966
10	2	82.3	11	1013.0	-	7.539771
11	2	51.3	19	1722.0	-	8.075895
12	1	59.9	16	-	-	8.817893
13	2	71.4	17	1478.0	-	9.777916
14	3	93.1	13	1802.0	1189.0	10.956237
15	1	75.8	18	-	-	11.912893

Table 54 - HT20 Long Sequence Waveform Trial#5 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.5	7	1069.0	-	0.551935
2	2	53.3	15	1492.0	-	2.127187
3	1	83.7	11	-	-	2.969975
4	3	61.6	12	1320.0	1752.0	3.286975
5	1	56.9	6	-	-	5.433020
6	1	94.0	9	-	-	5.965403
7	2	89.1	14	1306.0	-	6.841961
8	1	97.6	20	-	-	8.025026
9	3	90.1	7	1108.0	1131.0	9.637016

Table 54 - HT20 Long Sequence Waveform Trial#5 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
10	2	76.1	18	1528.0	-	10.579789
11	2	87.0	8	1134.0	-	11.343289

Table 55 - HT20 Long Sequence Waveform Trial#6 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	56.8	5	-	-	0.093154
2	3	84.4	16	1214.0	1243.0	1.418280
3	2	52.7	11	1038.0	-	3.116595
4	1	86.9	17	-	-	4.124296
5	3	67.4	17	1708.0	1877.0	4.515147
6	2	93.4	19	1257.0	-	6.114700
7	3	60.0	17	1574.0	1803.0	6.916480
8	1	88.8	13	-	-	7.853178
9	3	78.6	12	1542.0	1456.0	8.797527
10	1	51.1	13	-	-	9.995660
11	2	89.1	9	1156.0	-	11.089722

Table 56 - HT20 Long Sequence Waveform Trial#7 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	76.8	19	-	-	0.457044
2	1	94.0	12	-	-	1.065416
3	1	54.7	14	-	-	1.547243
4	2	82.3	8	1875.0	-	1.934040
5	2	86.6	8	1976.0	-	2.676887
6	2	65.9	6	1100.0	-	3.358481
7	3	80.5	13	1160.0	1106.0	3.836020
8	2	54.5	12	1578.0	-	4.623483
9	2	87.6	6	1881.0	-	5.499791
10	3	50.1	16	1455.0	1227.0	6.214953
11	2	70.3	9	1547.0	-	6.611416
12	3	86.7	15	1352.0	1820.0	7.277549
13	2	60.1	11	1744.0	-	7.604728
14	2	94.4	6	1124.0	-	8.748433
15	1	91.1	8	-	-	9.126982
16	2	63.2	14	1490.0	-	10.019148
17	2	84.1	12	1657.0	-	10.729663
18	3	97.9	14	1059.0	1400.0	11.066860
19	2	98.9	16	1581.0	-	11.438087

Table 57 - HT20 Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	58.5	9	1735.0	1645.0	0.474106
2	2	66.0	17	1578.0	-	0.878840
3	1	69.2	10	-	-	1.440939
4	2	65.5	18	1657.0	-	2.341452
5	2	88.3	15	1833.0	-	3.258296

Table 57 - HT20 Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
6	2	53.5	7	1689.0	-	3.376135
7	2	52.1	8	1643.0	-	4.534975
8	2	94.7	16	1900.0	-	5.268403
9	2	96.4	7	1433.0	-	5.337323
10	2	72.0	10	1700.0	-	6.426063
11	2	96.6	18	1085.0	-	6.776724
12	2	63.8	19	1524.0	-	7.787878
13	2	96.3	13	1810.0	-	8.044744
14	3	65.2	17	1967.0	1333.0	8.902655
15	1	62.0	15	-	-	9.929555
16	1	64.9	15	-	-	10.570301
17	2	50.6	16	1238.0	-	10.808069
18	2	56.2	7	1591.0	-	11.654342

Table 58 - HT20 Long Sequence Waveform Trial#9 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	80.8	9	1634.0	-	0.075825
2	2	96.6	19	1034.0	-	1.083933
3	2	95.3	7	1738.0	-	2.503949
4	2	86.9	19	1314.0	-	3.200958
5	1	51.6	16	-	-	3.661383
6	3	75.3	6	1939.0	1490.0	4.301389
7	1	76.3	12	-	-	5.949991
8	1	83.4	16	-	-	6.028654
9	1	60.3	6	-	-	6.945208
10	3	59.3	18	1956.0	1290.0	8.099096
11	2	97.3	8	1471.0	-	9.404377
12	1	58.7	12	-	-	10.259449
13	2	91.8	17	1787.0	-	10.333891
14	1	54.9	16	-	-	11.620913

Table 59 - HT20 Long Sequence Waveform Trial#10 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	62.3	11	-	-	0.685902
2	2	96.2	6	1910.0	-	1.470189
3	1	77.3	9	-	-	2.651121
4	2	98.5	12	1560.0	-	3.429523
5	1	77.5	20	-	-	4.546972
6	2	72.4	13	1412.0	-	4.979620
7	1	78.2	12	-	-	6.308172
8	1	62.6	19	-	-	7.175168
9	3	75.0	7	1778.0	1456.0	7.921724
10	2	65.0	9	1669.0	-	9.140045
11	2	67.5	6	1869.0	-	9.496590
12	2	96.6	15	1171.0	-	10.253376
13	3	53.8	11	1538.0	1012.0	11.886587

Table 60 - HT20 Long Sequence Waveform Trial#11 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	85.8	20	1576.0	-	0.734199
2	3	55.4	14	1844.0	1383.0	1.531533
3	2	64.9	13	1505.0	-	1.987067
4	2	95.6	16	1147.0	-	3.141155
5	3	70.7	15	1686.0	1068.0	3.667493
6	2	65.3	6	1042.0	-	4.471051
7	2	97.9	17	1220.0	-	4.828774
8	2	57.3	7	1081.0	-	5.977503
9	3	69.5	7	1766.0	1383.0	6.570422
10	3	50.6	6	1602.0	1139.0	7.200487
11	2	63.6	12	1927.0	-	8.558094
12	1	97.4	11	-	-	9.405509
13	3	71.4	9	1366.0	1804.0	10.108211
14	2	52.6	15	1221.0	-	10.408678
15	3	95.5	12	1890.0	1493.0	11.761812

Table 61 - HT20 Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	99.6	9	1022.0	-	0.543701
2	2	88.7	9	1304.0	-	0.718812
3	2	81.9	5	1251.0	-	1.850152
4	3	54.5	6	1385.0	1899.0	2.203076
5	3	82.2	9	1613.0	1593.0	2.823847
6	3	75.9	7	1906.0	1261.0	3.664789
7	3	51.3	14	1348.0	1036.0	4.294814
8	2	71.1	9	1901.0	-	4.955060
9	3	67.2	17	1730.0	1884.0	5.395049
10	3	84.8	19	1282.0	1652.0	5.942189
11	2	81.6	9	1394.0	-	6.321138
12	2	92.2	7	1839.0	-	7.184272
13	1	85.2	10	-	-	8.088344
14	2	80.1	20	1897.0	-	8.666710
15	2	74.1	7	1766.0	-	8.922112
16	1	57.9	11	-	-	9.484416
17	2	56.3	13	1071.0	-	10.372376
18	2	57.0	17	1213.0	-	11.277769
19	1	92.8	15	-	-	11.565849

Table 62 - HT20 Long Sequence Waveform Trial#13 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	75.3	6	1114.0	1118.0	0.185181
2	1	70.9	11	-	-	0.866065
3	2	74.6	19	1400.0	-	1.448334
4	2	95.2	16	1098.0	-	2.107998
5	3	51.0	11	1872.0	1432.0	2.757079
6	1	71.9	11	-	-	3.925810
7	2	73.4	14	1284.0	-	4.619648
8	3	74.8	16	1054.0	1141.0	5.059395

Table 62 - HT20 Long Sequence Waveform Trial#13 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
9	2	74.4	11	1459.0	-	5.401347
10	2	87.6	6	1161.0	-	6.119401
11	3	60.7	19	1549.0	1349.0	7.093362
12	2	63.3	19	1060.0	-	7.707982
13	1	96.3	13	-	-	8.378767
14	3	88.4	6	1918.0	1118.0	9.138090
15	2	51.9	14	1077.0	-	9.811689
16	2	95.4	15	1199.0	-	10.074865
17	2	76.8	12	1929.0	-	10.700613
18	2	88.1	7	1741.0	-	11.367961

Table 63 - HT20 Long Sequence Waveform Trial#14 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	89.3	12	-	-	0.899718
2	3	60.1	13	1878.0	1919.0	1.285865
3	1	69.3	7	-	-	2.135208
4	2	86.0	16	1070.0	-	3.063457
5	2	94.8	19	1842.0	-	4.080890
6	2	60.1	17	1226.0	-	5.425177
7	3	95.7	8	1658.0	1570.0	6.050944
8	3	67.3	17	1718.0	1943.0	6.771803
9	2	67.3	15	1300.0	-	7.504868
10	2	99.1	14	1339.0	-	8.407152
11	2	85.4	14	1419.0	-	9.903902
12	3	75.0	6	1044.0	1592.0	10.294486
13	1	61.0	13	-	-	11.227628

Table 64 - HT20 Long Sequence Waveform Trial#15 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	63.1	18	1256.0	-	0.296582
2	2	92.0	14	1233.0	-	1.229933
3	2	60.5	18	1402.0	-	1.842233
4	3	75.7	8	1582.0	1336.0	2.591384
5	3	66.0	10	1358.0	1727.0	3.876451
6	1	69.5	14	-	-	4.438511
7	2	55.8	16	1573.0	-	5.848688
8	3	52.4	15	1567.0	1722.0	6.025295
9	2	50.3	9	1405.0	-	6.975573
10	1	92.6	15	-	-	8.396328
11	2	66.1	10	1294.0	-	9.378611
12	3	55.4	18	1940.0	1862.0	9.771186
13	3	60.7	17	1909.0	1996.0	10.317639
14	3	89.2	11	1814.0	1392.0	11.440810

Table 65 - HT20 Long Sequence Waveform Trial#16 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
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Table 65 - HT20 Long Sequence Waveform Trial#16 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	74.0	6	1545.0	-	0.196231
2	3	95.1	18	1898.0	1229.0	0.687446
3	2	71.3	12	1951.0	-	1.291845
4	2	70.6	15	1130.0	-	1.969287
5	2	96.5	18	1900.0	-	2.680843
6	2	73.8	6	1901.0	-	3.294571
7	2	72.8	7	1591.0	-	4.139245
8	3	91.9	16	1132.0	1364.0	4.901634
9	3	82.2	20	1988.0	1321.0	5.595811
10	2	92.0	5	1685.0	-	6.264939
11	2	72.3	11	1788.0	-	6.723494
12	2	58.5	17	1899.0	-	7.556451
13	3	68.1	16	1545.0	1077.0	8.100922
14	1	83.2	14	-	-	8.497231
15	2	89.2	19	1024.0	-	9.068363
16	2	84.2	18	1182.0	-	9.691355
17	3	58.1	14	1640.0	1459.0	10.405440
18	1	74.6	10	-	-	10.771089
19	2	99.2	5	1941.0	-	11.909932

Table 66 - HT20 Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	74.3	14	1157.0	-	0.075329
2	3	77.3	11	1739.0	1174.0	0.818107
3	1	64.0	19	-	-	2.172912
4	1	78.6	17	-	-	2.759464
5	2	54.5	14	1529.0	-	3.266656
6	3	87.6	7	1700.0	1536.0	4.023742
7	2	67.9	12	1107.0	-	4.808574
8	2	55.0	9	1386.0	-	5.420227
9	1	52.8	13	-	-	6.126288
10	2	70.1	14	1767.0	-	6.953017
11	1	81.8	18	-	-	8.235664
12	2	86.1	17	1474.0	-	8.877986
13	2	87.2	5	1603.0	-	9.257061
14	2	56.2	16	1974.0	-	10.140319
15	1	77.5	12	-	-	11.150229
16	3	70.2	6	1983.0	1963.0	11.516992

Table 67 - HT20 Long Sequence Waveform Trial#18 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	51.4	12	1770.0	-	0.648232
2	3	64.0	9	1427.0	1711.0	1.282541
3	3	76.8	9	1463.0	1366.0	1.724330
4	1	67.8	10	-	-	2.889094
5	3	81.9	12	1851.0	1856.0	3.446681
6	1	76.3	10	-	-	4.395005
7	3	74.9	18	1469.0	1962.0	4.809895

Table 67 - HT20 Long Sequence Waveform Trial#18 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	3	79.8	20	1804.0	1424.0	5.674411
9	3	93.1	13	1814.0	1504.0	6.323949
10	2	73.6	10	1725.0	-	7.162407
11	2	55.2	5	1085.0	-	7.643292
12	1	65.1	15	-	-	8.992873
13	3	79.7	17	1338.0	1676.0	9.337362
14	1	59.0	15	-	-	9.922774
15	2	71.4	10	1773.0	-	11.104356
16	2	97.4	14	1917.0	-	11.849402

Table 68 - HT20 Long Sequence Waveform Trial#19 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	95.6	14	-	-	0.518748
2	1	86.7	5	-	-	2.043574
3	2	76.8	9	1346.0	-	2.672173
4	2	97.0	8	1101.0	-	4.152418
5	2	62.7	18	1709.0	-	4.468581
6	2	80.5	17	1363.0	-	6.315472
7	2	72.6	17	1700.0	-	6.747939
8	2	97.6	11	1707.0	-	7.737541
9	3	55.8	14	1985.0	1699.0	8.786397
10	2	70.6	13	1945.0	-	10.191144
11	2	76.9	15	1851.0	-	11.764513

Table 69 - HT20 Long Sequence Waveform Trial#20 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	50.5	8	1106.0	1728.0	0.071728
2	1	86.9	19	-	-	1.276057
3	3	64.1	14	1336.0	1156.0	2.189811
4	3	92.0	7	1801.0	1498.0	2.730123
5	1	56.3	16	-	-	3.785780
6	3	64.2	11	1819.0	1103.0	5.101476
7	2	85.8	8	1155.0	-	5.453252
8	1	96.3	8	-	-	6.833315
9	3	53.6	9	1725.0	1690.0	6.933318
10	3	88.0	18	1623.0	1179.0	7.837138
11	2	97.4	12	1031.0	-	8.845645
12	2	54.3	12	1015.0	-	9.739330
13	3	75.7	5	1162.0	1979.0	10.470228
14	1	59.6	10	-	-	11.556210

Table 70 - HT20 Long Sequence Waveform Trial#21 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	71.3	16	1421.0	-	0.362238
2	2	62.9	11	1253.0	-	1.209650
3	2	64.7	20	1006.0	-	2.929082

Table 70 - HT20 Long Sequence Waveform Trial#21 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
4	2	96.1	5	1401.0	-	3.277122
5	2	67.9	18	1968.0	-	4.151198
6	1	56.9	6	-	-	5.761791
7	2	90.2	14	1694.0	-	6.938297
8	1	94.7	17	-	-	7.785229
9	2	87.7	6	1276.0	-	8.289738
10	2	77.4	13	1477.0	-	9.116304
11	1	52.6	7	-	-	10.013998
12	1	76.3	6	-	-	11.989369

Table 71 - HT20 Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	90.8	20	1600.0	1179.0	0.095405
2	2	55.5	18	1601.0	-	1.140156
3	2	61.0	19	1620.0	-	2.239881
4	2	70.4	8	1951.0	-	2.656613
5	2	76.2	8	1197.0	-	3.093204
6	2	88.9	15	1627.0	-	3.767846
7	1	72.2	17	-	-	4.728829
8	2	74.1	8	1533.0	-	5.808862
9	3	98.7	13	1228.0	1816.0	6.200321
10	3	72.8	14	1295.0	1066.0	7.110732
11	2	77.2	17	1166.0	-	7.957210
12	2	98.0	7	1622.0	-	8.789570
13	2	81.4	12	1856.0	-	9.463946
14	3	92.7	6	1235.0	1749.0	9.953686
15	1	76.7	18	-	-	10.679994
16	2	54.0	13	1196.0	-	11.531592

Table 72 - HT20 Long Sequence Waveform Trial#23 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.8	11	1800.0	-	0.276807
2	2	84.3	12	1155.0	-	1.039672
3	1	94.3	16	-	-	1.864050
4	3	59.7	6	1729.0	1972.0	2.715948
5	1	62.4	8	-	-	3.174418
6	2	56.9	11	1745.0	-	4.019428
7	3	64.5	19	1456.0	1030.0	4.279980
8	1	56.3	17	-	-	5.405032
9	1	62.4	9	-	-	5.938359
10	3	96.1	9	1564.0	1471.0	6.669693
11	3	87.3	10	1213.0	1808.0	7.249681
12	2	83.4	11	1004.0	-	7.841723
13	2	85.2	9	1359.0	-	8.472475
14	2	73.4	19	1117.0	-	9.838569
15	2	68.4	12	1319.0	-	10.009944
16	2	58.6	5	1740.0	-	10.950482
17	2	78.0	20	1532.0	-	11.649857

Table 73 - HT20 Long Sequence Waveform Trial#24 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	73.6	13	1932.0	-	0.254513
2	2	62.2	8	1826.0	-	1.119364
3	1	75.3	10	-	-	1.315264
4	2	58.9	16	1954.0	-	2.190296
5	2	60.2	11	1120.0	-	2.741675
6	3	73.4	8	1192.0	1547.0	3.297800
7	2	53.1	12	1126.0	-	3.932572
8	2	91.6	8	1723.0	-	4.440465
9	1	69.4	14	-	-	5.369430
10	2	61.6	12	1096.0	-	5.800368
11	2	90.3	6	1691.0	-	6.479647
12	1	64.8	7	-	-	7.065047
13	2	97.0	12	1877.0	-	7.880363
14	3	55.5	7	1472.0	1185.0	8.421455
15	2	70.9	12	1753.0	-	9.212656
16	2	97.6	10	1223.0	-	10.081505
17	2	64.5	6	1116.0	-	10.214460
18	2	72.6	12	1209.0	-	10.878111
19	1	71.7	7	-	-	11.959672

Table 74 - HT20 Long Sequence Waveform Trial#25 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	59.4	8	1453.0	1388.0	0.144504
2	2	65.3	10	1635.0	-	1.565195
3	1	51.8	9	-	-	2.735907
4	2	57.1	11	1381.0	-	4.015692
5	2	84.2	18	1653.0	-	5.278150
6	2	69.2	12	1771.0	-	5.819621
7	3	94.6	13	1277.0	1013.0	6.608807
8	1	96.2	12	-	-	7.996490
9	3	61.9	6	1460.0	1874.0	8.950275
10	1	68.5	9	-	-	10.037586
11	3	68.7	12	1359.0	1866.0	11.285451

Table 75 - HT20 Long Sequence Waveform Trial#26 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	65.1	14	1524.0	-	1.037838
2	1	73.1	17	-	-	1.642827
3	2	61.7	6	1127.0	-	3.442065
4	1	96.9	19	-	-	4.871731
5	2	94.0	13	1049.0	-	7.468267
6	2	72.2	9	1777.0	-	7.643443
7	2	50.1	10	1988.0	-	9.146961
8	1	52.2	12	-	-	10.760020

Table 76 - HT20 Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	96.9	7	1233.0	-	1.310949
2	2	73.8	19	1235.0	-	2.206347
3	2	60.0	19	1194.0	-	3.481963
4	2	93.8	13	1502.0	-	4.596787
5	2	71.3	11	1181.0	-	5.759102
6	2	62.5	12	1244.0	-	7.804215
7	1	77.8	12	-	-	8.959695
8	1	95.7	18	-	-	9.365704
9	2	73.7	8	1411.0	-	10.766753

Table 77 - HT20 Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	88.9	9	1297.0	1409.0	0.074271
2	1	99.7	13	-	-	1.039410
3	1	50.7	10	-	-	1.642739
4	3	87.1	12	1307.0	1877.0	2.200462
5	3	82.5	7	1078.0	1068.0	2.747780
6	1	67.3	20	-	-	3.391709
7	2	56.7	15	1671.0	-	4.239046
8	3	58.6	12	1199.0	1450.0	5.008101
9	1	65.0	10	-	-	5.683217
10	2	61.7	7	1349.0	-	5.869620
11	1	94.3	6	-	-	6.400206
12	2	70.6	7	1769.0	-	7.215161
13	2	55.7	15	1104.0	-	8.088024
14	3	84.2	14	1367.0	1812.0	8.670240
15	3	51.0	19	1554.0	1417.0	8.862981
16	1	75.1	14	-	-	9.855808
17	2	56.2	20	1433.0	-	10.588550
18	2	79.3	6	1501.0	-	11.234342
19	3	64.1	10	1849.0	1101.0	11.514368

Table 78 - HT20 Long Sequence Waveform Trial#29 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	58.1	7	1739.0	-	0.213327
2	2	60.6	15	1065.0	-	0.767603
3	2	71.4	15	1882.0	-	1.488665
4	1	83.2	18	-	-	2.146253
5	2	82.3	10	1455.0	-	2.895136
6	1	61.6	6	-	-	3.479880
7	3	100.0	20	1812.0	1933.0	4.510232
8	2	54.1	13	1669.0	-	5.044418
9	1	61.1	20	-	-	5.551769
10	1	60.0	13	-	-	6.365018
11	3	68.4	7	1521.0	1291.0	7.172430
12	1	96.1	13	-	-	7.577136
13	1	61.8	14	-	-	8.476927
14	1	50.6	15	-	-	8.851378
15	2	76.0	17	1259.0	-	9.459733
16	3	82.4	13	1177.0	1981.0	10.299556

Table 78 - HT20 Long Sequence Waveform Trial#29 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
17	2	84.0	10	1978.0	-	10.742926
18	1	70.9	18	-	-	11.809410

Table 79 - HT20 Long Sequence Waveform Trial#30 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	54.4	7	1809.0	1067.0	1.245239
2	1	90.7	14	-	-	2.149059
3	1	55.4	12	-	-	2.848849
4	3	66.0	8	1983.0	1018.0	4.651712
5	1	53.4	16	-	-	5.705841
6	3	74.4	10	1435.0	1633.0	7.012145
7	1	69.1	11	-	-	9.272772
8	2	73.5	19	1183.0	-	10.219386
9	2	53.6	11	1969.0	-	10.771303

Table 80 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5489.0MHz, -64.0dBm	Hop sequence: 5529, 5272, 5338, 5384, 5451, 5522, 5676, 5401, 5532, 5257, 5637, 5577, 5665, 5640, 5572, 5426, 5357, 5517, 5643, 5527, 5690, 5519, 5554, 5597, 5687, 5711, 5315, 5660, 5641, 5709, 5659, 5459, 5389, 5718, 5657, 5509, 5274, 5334, 5591, 5463, 5310, 5557, 5593, 5494, 5546, 5263, 5615, 5481, 5474, 5512, 5533, 5324, 5649, 5425, 5395, 5531, 5376, 5409, 5713, 5319, 5370, 5491, 5510, 5396, 5563, 5394, 5501, 5564, 5626, 5332, 5393, 5493, 5704, 5368, 5465, 5664, 5270, 5484, 5446, 5312, 5611, 5539, 5440, 5345, 5403, 5304, 5556, 5497, 5614, 5380, 5443, 5673, 5417, 5681, 5602, 5663, 5621, 5283, 5606, 5715 (7 hits) (02/08/2013 11:49:02 AM)
2	9	1.0	333.0	Yes	5490.0MHz, -64.0dBm	Hop sequence: 5710, 5428, 5624, 5254, 5633, 5608, 5535, 5651, 5629, 5438, 5313, 5349, 5343, 5510, 5702, 5423, 5543, 5617, 5660, 5385, 5420, 5279, 5305, 5445, 5366, 5433, 5664, 5658, 5604, 5267, 5368, 5380, 5500, 5251, 5374, 5476, 5470, 5618, 5473, 5567, 5690, 5509, 5627, 5399, 5698, 5611, 5282, 5391, 5562, 5334, 5650, 5585, 5511, 5460, 5396, 5269, 5331, 5413, 5665, 5506, 5477, 5335, 5255, 5287, 5401, 5339, 5557, 5456, 5587, 5468, 5289, 5344, 5545, 5408, 5469, 5348, 5347, 5301, 5684, 5281, 5464, 5688, 5505, 5646, 5577, 5635, 5299, 5283, 5257, 5322, 5484, 5693, 5501, 5666, 5537, 5363, 5571, 5620, 5717, 5555 (7 hits) (02/08/2013 11:49:12 AM)

Table 80 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5491.0MHz, -64.0dBm	Hop sequence: 5495, 5706, 5369, 5492, 5392, 5402, 5386, 5661, 5569, 5428, 5506, 5673, 5496, 5640, 5659, 5650, 5531, 5583, 5266, 5336, 5438, 5724, 5258, 5337, 5653, 5348, 5409, 5642, 5674, 5364, 5275, 5334, 5643, 5383, 5316, 5720, 5341, 5592, 5338, 5293, 5554, 5342, 5649, 5434, 5343, 5707, 5390, 5571, 5327, 5527, 5456, 5305, 5543, 5422, 5435, 5614, 5399, 5637, 5412, 5540, 5371, 5335, 5280, 5681, 5630, 5289, 5530, 5714, 5264, 5715, 5309, 5488, 5354, 5504, 5437, 5581, 5417, 5493, 5590, 5347, 5552, 5545, 5272, 5480, 5578, 5394, 5298, 5689, 5413, 5356, 5573, 5259, 5636, 5600, 5415, 5667, 5532, 5611, 5269, 5675 (6 hits) (02/08/2013 11:49:21 AM)
4	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5388, 5632, 5477, 5506, 5704, 5492, 5587, 5455, 5558, 5611, 5382, 5321, 5546, 5702, 5330, 5635, 5276, 5707, 5284, 5383, 5375, 5291, 5474, 5295, 5384, 5457, 5314, 5357, 5684, 5499, 5426, 5620, 5391, 5519, 5508, 5688, 5526, 5573, 5414, 5292, 5281, 5380, 5479, 5350, 5446, 5720, 5392, 5621, 5296, 5458, 5463, 5640, 5589, 5344, 5316, 5288, 5410, 5489, 5297, 5451, 5708, 5534, 5352, 5367, 5497, 5725, 5515, 5371, 5647, 5361, 5401, 5685, 5712, 5373, 5411, 5614, 5612, 5636, 5335, 5318, 5331, 5650, 5568, 5672, 5560, 5539, 5412, 5651, 5630, 5517, 5584, 5543, 5450, 5294, 5652, 5275, 5309, 5527, 5559, 5594 (6 hits) (02/08/2013 11:49:30 AM)
5	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5417, 5615, 5497, 5645, 5360, 5502, 5691, 5600, 5496, 5535, 5449, 5551, 5254, 5406, 5450, 5711, 5395, 5674, 5609, 5253, 5415, 5421, 5698, 5561, 5438, 5605, 5498, 5453, 5685, 5517, 5444, 5720, 5559, 5376, 5701, 5405, 5630, 5545, 5601, 5351, 5493, 5260, 5555, 5397, 5666, 5479, 5492, 5652, 5509, 5345, 5620, 5363, 5312,

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5658, 5483, 5604, 5574, 5655, 5328, 5381, 5527, 5476, 5366, 5530, 5410, 5688, 5703, 5613, 5426, 5677, 5622, 5629, 5423, 5542, 5296, 5313, 5441, 5648, 5387, 5670, 5569, 5528, 5567, 5717, 5400, 5463, 5562, 5457, 5578, 5471, 5580, 5304, 5250, 5302, 5718, 5330, 5274, 5531, 5636, 5643 (7 hits) (02/08/2013 11:49:40 AM)
6	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5313, 5483, 5390, 5425, 5303, 5457, 5673, 5354, 5346, 5397, 5324, 5359, 5540, 5480, 5299, 5391, 5593, 5670, 5558, 5494, 5611, 5530, 5482, 5497, 5700, 5266, 5683, 5475, 5329, 5573, 5711, 5672, 5717, 5291, 5625, 5499, 5635, 5441, 5438, 5341, 5267, 5254, 5621, 5407, 5566, 5542, 5290, 5667, 5678, 5623, 5337, 5696, 5584, 5467, 5718, 5627, 5463, 5690, 5671, 5655, 5554, 5351, 5674, 5260, 5552, 5442, 5325, 5340, 5694, 5521, 5406, 5402, 5256, 5601, 5252, 5720, 5617, 5484, 5495, 5292, 5274, 5319, 5719, 5613, 5544, 5285, 5505, 5591, 5629, 5638, 5458, 5253, 5680, 5668, 5424, 5305, 5560, 5537, 5445, 5466 (5 hits) (02/08/2013 11:49:50 AM)
7	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5330, 5611, 5371, 5513, 5592, 5686, 5389, 5685, 5486, 5532, 5716, 5506, 5665, 5575, 5593, 5386, 5291, 5424, 5705, 5276, 5374, 5605, 5294, 5410, 5316, 5258, 5560, 5481, 5670, 5354, 5504, 5659, 5546, 5411, 5713, 5540, 5510, 5393, 5279, 5629, 5275, 5565, 5657, 5586, 5333, 5549, 5501, 5658, 5608, 5666, 5615, 5544, 5376, 5331, 5256, 5281, 5632, 5500, 5525, 5680, 5647, 5390, 5359, 5250, 5706, 5612, 5286, 5429, 5631, 5327, 5461, 5284, 5392, 5610, 5529, 5599, 5398, 5614, 5365, 5576, 5421, 5517, 5673, 5427, 5698, 5515, 5603, 5437, 5533, 5264, 5721, 5604, 5564, 5662, 5340, 5298, 5487, 5441, 5521, 5625 (5 hits) (02/08/2013 11:49:57 AM)

Table 80 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5372, 5263, 5671, 5467, 5473, 5426, 5551, 5565, 5640, 5554, 5658, 5402, 5569, 5326, 5396, 5466, 5432, 5603, 5256, 5332, 5513, 5445, 5325, 5504, 5527, 5651, 5310, 5355, 5454, 5506, 5618, 5544, 5623, 5579, 5324, 5412, 5721, 5321, 5403, 5391, 5710, 5622, 5698, 5685, 5339, 5717, 5636, 5259, 5307, 5251, 5302, 5272, 5549, 5647, 5317, 5666, 5660, 5401, 5281, 5371, 5637, 5653, 5449, 5340, 5470, 5469, 5322, 5346, 5659, 5576, 5531, 5500, 5545, 5452, 5696, 5354, 5615, 5483, 5503, 5374, 5700, 5537, 5422, 5507, 5684, 5582, 5562, 5342, 5715, 5592, 5598, 5313, 5701, 5360, 5286, 5691, 5280, 5695, 5349, 5444 (5 hits) (02/08/2013 11:50:05 AM)
9	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5256, 5317, 5484, 5677, 5396, 5689, 5498, 5274, 5392, 5486, 5295, 5553, 5490, 5452, 5313, 5545, 5370, 5386, 5515, 5303, 5422, 5324, 5673, 5376, 5506, 5402, 5338, 5418, 5668, 5463, 5641, 5378, 5379, 5624, 5268, 5433, 5709, 5479, 5648, 5319, 5276, 5293, 5693, 5399, 5685, 5675, 5516, 5666, 5505, 5537, 5607, 5695, 5391, 5403, 5309, 5637, 5608, 5674, 5307, 5489, 5574, 5401, 5323, 5543, 5329, 5499, 5682, 5632, 5584, 5445, 5550, 5437, 5288, 5464, 5508, 5630, 5419, 5625, 5451, 5679, 5340, 5333, 5688, 5698, 5639, 5267, 5699, 5348, 5367, 5560, 5286, 5531, 5507, 5296, 5595, 5306, 5513, 5722, 5447, 5299 (8 hits) (02/08/2013 11:50:12 AM)
10	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5617, 5581, 5377, 5393, 5650, 5346, 5337, 5312, 5260, 5311, 5340, 5272, 5702, 5442, 5383, 5551, 5685, 5644, 5257, 5274, 5423, 5569, 5251, 5575, 5529, 5438, 5360, 5347, 5589, 5396, 5596, 5285, 5380, 5675, 5330, 5682, 5496, 5659, 5604, 5678, 5460, 5521, 5540, 5487, 5630, 5441, 5365, 5262, 5452, 5554, 5717, 5361, 5716,

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5700, 5651, 5429, 5711, 5648, 5671, 5586, 5579, 5357, 5526, 5481, 5267, 5547, 5519, 5489, 5323, 5363, 5701, 5688, 5413, 5577, 5683, 5338, 5587, 5271, 5259, 5402, 5724, 5719, 5500, 5534, 5531, 5344, 5339, 5510, 5408, 5599, 5445, 5664, 5280, 5563, 5603, 5392, 5624, 5359, 5281, 5590 (4 hits) (02/08/2013 11:50:52 AM)
11	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5572, 5603, 5676, 5490, 5362, 5616, 5634, 5593, 5592, 5690, 5585, 5269, 5456, 5348, 5479, 5483, 5518, 5441, 5340, 5255, 5297, 5636, 5267, 5466, 5421, 5312, 5451, 5679, 5262, 5328, 5583, 5683, 5409, 5574, 5350, 5338, 5509, 5602, 5559, 5655, 5604, 5515, 5516, 5337, 5562, 5670, 5663, 5695, 5575, 5442, 5694, 5447, 5256, 5304, 5318, 5254, 5342, 5491, 5528, 5609, 5314, 5419, 5543, 5315, 5360, 5653, 5569, 5725, 5497, 5335, 5548, 5599, 5614, 5588, 5288, 5665, 5495, 5504, 5465, 5716, 5657, 5677, 5420, 5623, 5303, 5496, 5257, 5460, 5411, 5375, 5489, 5550, 5291, 5434, 5481, 5589, 5300, 5661, 5719, 5551 (8 hits) (02/08/2013 11:51:03 AM)
12	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5592, 5502, 5487, 5357, 5308, 5280, 5260, 5326, 5615, 5296, 5612, 5611, 5712, 5420, 5290, 5675, 5278, 5319, 5558, 5714, 5624, 5306, 5716, 5450, 5516, 5252, 5438, 5253, 5496, 5532, 5528, 5273, 5345, 5478, 5300, 5543, 5673, 5340, 5692, 5444, 5351, 5580, 5685, 5508, 5681, 5294, 5538, 5407, 5680, 5460, 5536, 5320, 5620, 5494, 5274, 5292, 5616, 5724, 5455, 5707, 5476, 5459, 5565, 5321, 5295, 5289, 5660, 5563, 5587, 5457, 5293, 5687, 5704, 5498, 5338, 5325, 5706, 5601, 5512, 5697, 5449, 5408, 5335, 5469, 5521, 5465, 5595, 5276, 5332, 5362, 5479, 5541, 5623, 5560, 5600, 5540, 5693, 5437, 5670, 5413 (5 hits) (02/08/2013 11:51:11 AM)

Table 80 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5541, 5599, 5433, 5266, 5440, 5651, 5614, 5640, 5502, 5595, 5381, 5390, 5459, 5587, 5534, 5396, 5327, 5694, 5609, 5679, 5374, 5467, 5480, 5372, 5287, 5584, 5303, 5671, 5491, 5432, 5656, 5418, 5472, 5553, 5449, 5272, 5430, 5474, 5344, 5301, 5397, 5597, 5589, 5312, 5403, 5680, 5544, 5268, 5329, 5611, 5650, 5289, 5398, 5438, 5313, 5255, 5608, 5262, 5665, 5335, 5257, 5324, 5615, 5484, 5465, 5613, 5539, 5642, 5435, 5647, 5263, 5601, 5450, 5628, 5340, 5310, 5655, 5669, 5582, 5724, 5366, 5577, 5504, 5564, 5425, 5588, 5507, 5554, 5253, 5316, 5559, 5490, 5325, 5693, 5643, 5529, 5523, 5326, 5351, 5583 (5 hits) (02/08/2013 11:52:55 AM)
14	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5506, 5358, 5277, 5628, 5256, 5709, 5704, 5618, 5332, 5476, 5284, 5262, 5435, 5549, 5480, 5577, 5311, 5535, 5627, 5545, 5443, 5425, 5296, 5484, 5448, 5635, 5622, 5344, 5640, 5649, 5279, 5687, 5253, 5658, 5343, 5422, 5707, 5612, 5418, 5666, 5490, 5488, 5713, 5321, 5356, 5567, 5367, 5379, 5310, 5537, 5553, 5337, 5398, 5482, 5257, 5251, 5275, 5271, 5700, 5282, 5474, 5721, 5409, 5478, 5365, 5489, 5564, 5630, 5509, 5305, 5445, 5571, 5500, 5715, 5602, 5675, 5455, 5679, 5703, 5438, 5656, 5540, 5552, 5659, 5519, 5471, 5439, 5375, 5357, 5368, 5320, 5568, 5316, 5440, 5429, 5678, 5361, 5595, 5520, 5299 (5 hits) (02/08/2013 11:53:03 AM)
15	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5461, 5267, 5420, 5393, 5251, 5518, 5409, 5439, 5565, 5468, 5684, 5540, 5635, 5430, 5724, 5269, 5320, 5590, 5605, 5664, 5674, 5347, 5278, 5679, 5266, 5454, 5525, 5307, 5421, 5305, 5458, 5455, 5677, 5600, 5676, 5616, 5375, 5451, 5595, 5396, 5561, 5367, 5379, 5549, 5311, 5691, 5342, 5648, 5714, 5392, 5717, 5708, 5659,

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5274, 5516, 5481, 5488, 5613, 5688, 5306, 5652, 5504, 5286, 5527, 5404, 5523, 5707, 5357, 5472, 5529, 5601, 5448, 5411, 5491, 5608, 5333, 5480, 5655, 5300, 5675, 5701, 5580, 5657, 5706, 5374, 5400, 5631, 5368, 5364, 5594, 5273, 5506, 5494, 5666, 5683, 5477, 5372, 5358, 5397, 5572 (4 hits) (02/08/2013 11:53:11 AM)
16	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5687, 5293, 5651, 5629, 5398, 5403, 5263, 5717, 5374, 5618, 5429, 5575, 5473, 5604, 5481, 5573, 5503, 5305, 5279, 5646, 5569, 5691, 5280, 5491, 5474, 5442, 5411, 5287, 5382, 5589, 5690, 5555, 5551, 5310, 5360, 5697, 5516, 5713, 5455, 5605, 5466, 5702, 5714, 5320, 5384, 5303, 5524, 5704, 5272, 5638, 5326, 5698, 5357, 5585, 5550, 5258, 5686, 5378, 5615, 5568, 5284, 5469, 5701, 5311, 5444, 5703, 5500, 5580, 5586, 5435, 5699, 5428, 5314, 5712, 5405, 5593, 5372, 5400, 5476, 5726, 5548, 5620, 5570, 5433, 5250, 5331, 5338, 5715, 5274, 5584, 5656, 5409, 5594, 5438, 5685, 5682, 5562, 5275, 5592, 5668 (3 hits) (02/08/2013 11:53:20 AM)
17	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5654, 5488, 5473, 5342, 5475, 5576, 5691, 5252, 5665, 5305, 5445, 5375, 5273, 5302, 5538, 5541, 5647, 5283, 5606, 5254, 5497, 5313, 5595, 5484, 5605, 5348, 5720, 5442, 5354, 5448, 5340, 5639, 5310, 5635, 5684, 5554, 5449, 5530, 5371, 5566, 5662, 5703, 5591, 5563, 5570, 5587, 5494, 5452, 5534, 5317, 5713, 5599, 5555, 5589, 5716, 5385, 5279, 5322, 5648, 5309, 5316, 5632, 5477, 5525, 5359, 5514, 5318, 5551, 5617, 5414, 5655, 5483, 5400, 5325, 5382, 5548, 5420, 5433, 5282, 5413, 5277, 5545, 5388, 5438, 5370, 5361, 5582, 5319, 5580, 5262, 5381, 5614, 5418, 5634, 5380, 5258, 5695, 5284, 5511, 5466 (3 hits) (02/08/2013 11:53:27 AM)

Table 80 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
18	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5514, 5571, 5711, 5281, 5533, 5618, 5500, 5482, 5646, 5324, 5425, 5392, 5485, 5449, 5670, 5553, 5284, 5266, 5396, 5509, 5704, 5473, 5280, 5431, 5268, 5259, 5307, 5434, 5714, 5601, 5544, 5515, 5275, 5358, 5423, 5347, 5663, 5720, 5306, 5367, 5426, 5710, 5301, 5458, 5478, 5644, 5555, 5625, 5495, 5560, 5285, 5360, 5494, 5716, 5505, 5554, 5368, 5491, 5584, 5310, 5320, 5695, 5708, 5508, 5364, 5333, 5273, 5698, 5699, 5682, 5330, 5672, 5659, 5615, 5391, 5579, 5291, 5373, 5443, 5468, 5540, 5530, 5377, 5410, 5524, 5528, 5476, 5573, 5408, 5388, 5639, 5715, 5678, 5411, 5572, 5487, 5334, 5340, 5510, 5453 (8 hits) (02/08/2013 11:53:35 AM)
19	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5573, 5561, 5615, 5416, 5281, 5333, 5434, 5492, 5401, 5367, 5688, 5376, 5340, 5558, 5618, 5419, 5669, 5542, 5470, 5611, 5395, 5488, 5266, 5291, 5389, 5398, 5696, 5572, 5258, 5715, 5588, 5577, 5635, 5595, 5387, 5352, 5469, 5539, 5265, 5575, 5435, 5625, 5322, 5481, 5268, 5393, 5272, 5493, 5426, 5420, 5675, 5557, 5444, 5665, 5720, 5424, 5390, 5579, 5391, 5582, 5554, 5269, 5585, 5433, 5418, 5587, 5425, 5377, 5583, 5713, 5596, 5673, 5580, 5430, 5510, 5345, 5672, 5442, 5518, 5705, 5366, 5259, 5276, 5305, 5608, 5378, 5597, 5287, 5334, 5362, 5529, 5678, 5500, 5567, 5472, 5324, 5330, 5440, 5702, 5646 (4 hits) (02/08/2013 11:53:44 AM)
20	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5342, 5353, 5278, 5260, 5494, 5274, 5515, 5351, 5722, 5300, 5321, 5626, 5405, 5697, 5491, 5309, 5359, 5455, 5573, 5555, 5373, 5407, 5255, 5410, 5442, 5392, 5640, 5308, 5366, 5648, 5723, 5483, 5439, 5616, 5656, 5524, 5608, 5500, 5692, 5630, 5454, 5262, 5492, 5615, 5659, 5566, 5560, 5417, 5447, 5384, 5438, 5333, 5450,

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5705, 5428, 5328, 5340, 5390, 5575, 5719, 5362, 5681, 5361, 5686, 5434, 5639, 5265, 5332, 5276, 5286, 5452, 5650, 5293, 5339, 5259, 5591, 5576, 5620, 5254, 5584, 5695, 5709, 5514, 5398, 5602, 5638, 5714, 5667, 5283, 5324, 5629, 5418, 5400, 5443, 5272, 5522, 5537, 5470, 5679, 5341 (4 hits) (02/08/2013 11:53:53 AM)
21	9	1.0	333.0	Yes	5509.0MHz, -64.0dBm	Hop sequence: 5723, 5679, 5276, 5385, 5602, 5360, 5526, 5311, 5660, 5269, 5503, 5719, 5469, 5556, 5335, 5705, 5320, 5670, 5348, 5540, 5422, 5277, 5510, 5262, 5678, 5596, 5409, 5414, 5570, 5313, 5511, 5611, 5423, 5718, 5491, 5589, 5702, 5483, 5411, 5648, 5590, 5445, 5470, 5362, 5682, 5563, 5454, 5554, 5610, 5588, 5368, 5485, 5331, 5506, 5664, 5284, 5635, 5481, 5351, 5514, 5569, 5645, 5446, 5376, 5565, 5322, 5655, 5309, 5534, 5513, 5504, 5271, 5677, 5447, 5459, 5424, 5595, 5430, 5407, 5292, 5356, 5375, 5443, 5502, 5530, 5560, 5522, 5527, 5561, 5431, 5654, 5537, 5621, 5251, 5704, 5623, 5691, 5296, 5618, 5413 (7 hits) (02/08/2013 11:54:01 AM)
22	9	1.0	333.0	Yes	5510.0MHz, -64.0dBm	Hop sequence: 5579, 5487, 5346, 5290, 5360, 5705, 5533, 5719, 5295, 5675, 5688, 5364, 5427, 5513, 5340, 5289, 5432, 5268, 5333, 5300, 5304, 5416, 5402, 5539, 5288, 5396, 5523, 5600, 5438, 5356, 5355, 5477, 5457, 5431, 5429, 5707, 5483, 5374, 5391, 5319, 5572, 5384, 5653, 5519, 5503, 5369, 5613, 5685, 5425, 5366, 5623, 5698, 5388, 5385, 5380, 5670, 5266, 5316, 5417, 5394, 5550, 5476, 5314, 5674, 5589, 5693, 5701, 5467, 5677, 5601, 5699, 5325, 5500, 5276, 5545, 5286, 5654, 5327, 5361, 5324, 5708, 5633, 5260, 5434, 5661, 5715, 5469, 5279, 5291, 5567, 5700, 5283, 5717, 5648, 5510, 5681, 5308, 5501, 5551, 5619 (4 hits) (02/08/2013 11:54:10 AM)

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5511.0MHz, -64.0dBm	Hop sequence: 5485, 5317, 5545, 5357, 5588, 5603, 5619, 5516, 5396, 5447, 5430, 5259, 5461, 5564, 5554, 5628, 5381, 5302, 5370, 5385, 5496, 5310, 5473, 5662, 5299, 5395, 5386, 5520, 5411, 5660, 5717, 5463, 5409, 5719, 5536, 5591, 5420, 5651, 5418, 5316, 5327, 5710, 5462, 5568, 5498, 5690, 5504, 5293, 5334, 5566, 5367, 5306, 5415, 5578, 5434, 5697, 5490, 5390, 5562, 5484, 5368, 5392, 5351, 5492, 5337, 5704, 5595, 5363, 5445, 5688, 5288, 5676, 5354, 5376, 5483, 5457, 5279, 5594, 5466, 5632, 5692, 5362, 5352, 5583, 5644, 5524, 5559, 5574, 5521, 5260, 5408, 5683, 5648, 5491, 5405, 5453, 5276, 5298, 5522, 5528 (6 hits) (02/08/2013 11:54:18 AM)
24	9	1.0	333.0	No	5489.0MHz, -64.0dBm	Hop sequence: 5684, 5637, 5568, 5615, 5368, 5311, 5261, 5297, 5336, 5407, 5447, 5268, 5401, 5520, 5578, 5480, 5463, 5280, 5347, 5715, 5468, 5512, 5483, 5665, 5278, 5640, 5553, 5700, 5271, 5341, 5389, 5412, 5383, 5394, 5361, 5263, 5371, 5405, 5571, 5678, 5472, 5430, 5711, 5312, 5570, 5539, 5357, 5488, 5450, 5672, 5536, 5565, 5310, 5485, 5586, 5691, 5266, 5321, 5344, 5658, 5262, 5330, 5374, 5487, 5626, 5264, 5574, 5367, 5305, 5699, 5315, 5629, 5584, 5701, 5406, 5712, 5364, 5558, 5494, 5654, 5644, 5466, 5638, 5397, 5265, 5345, 5718, 5713, 5576, 5363, 5343, 5402, 5442, 5358, 5435, 5623, 5415, 5484, 5500, 5649 (2 hits) (02/08/2013 11:54:27 AM)
25	9	1.0	333.0	Yes	5490.0MHz, -64.0dBm	Hop sequence: 5624, 5575, 5343, 5596, 5702, 5708, 5703, 5581, 5638, 5331, 5537, 5363, 5654, 5593, 5476, 5627, 5694, 5456, 5475, 5300, 5361, 5696, 5372, 5657, 5572, 5717, 5311, 5287, 5422, 5312, 5252, 5556, 5425, 5655, 5632, 5625, 5453, 5637, 5519, 5307, 5306, 5557, 5646, 5722, 5713, 5302, 5622, 5604, 5279, 5346, 5327, 5542, 5509,

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5512, 5613, 5271, 5374, 5408, 5398, 5378, 5371, 5523, 5296, 5528, 5543, 5304, 5435, 5615, 5534, 5261, 5508, 5662, 5511, 5395, 5580, 5328, 5616, 5725, 5551, 5411, 5345, 5549, 5423, 5664, 5675, 5639, 5254, 5412, 5526, 5467, 5649, 5282, 5348, 5536, 5668, 5294, 5600, 5618, 5333, 5358 (3 hits) (02/08/2013 11:54:41 AM)
26	9	1.0	333.0	Yes	5491.0MHz, -64.0dBm	Hop sequence: 5448, 5480, 5513, 5284, 5576, 5338, 5418, 5691, 5318, 5484, 5524, 5538, 5301, 5520, 5566, 5354, 5486, 5718, 5456, 5291, 5578, 5599, 5265, 5309, 5555, 5531, 5360, 5667, 5704, 5577, 5419, 5432, 5645, 5337, 5654, 5325, 5256, 5696, 5290, 5258, 5273, 5528, 5652, 5682, 5296, 5415, 5482, 5551, 5332, 5658, 5462, 5633, 5283, 5677, 5407, 5679, 5472, 5717, 5671, 5496, 5711, 5597, 5367, 5672, 5503, 5632, 5622, 5391, 5511, 5313, 5252, 5516, 5660, 5683, 5303, 5605, 5560, 5451, 5547, 5335, 5680, 5389, 5331, 5402, 5510, 5444, 5277, 5631, 5251, 5449, 5314, 5636, 5532, 5564, 5436, 5464, 5279, 5674, 5460, 5442 (4 hits) (02/08/2013 11:54:50 AM)
27	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5536, 5724, 5665, 5691, 5558, 5310, 5659, 5422, 5255, 5565, 5337, 5549, 5320, 5667, 5281, 5544, 5455, 5713, 5561, 5595, 5535, 5531, 5500, 5493, 5250, 5575, 5277, 5573, 5467, 5315, 5352, 5442, 5553, 5572, 5597, 5701, 5333, 5514, 5313, 5385, 5577, 5468, 5384, 5285, 5586, 5319, 5447, 5515, 5706, 5520, 5704, 5346, 5288, 5295, 5301, 5480, 5685, 5677, 5280, 5570, 5607, 5681, 5599, 5598, 5670, 5485, 5708, 5554, 5368, 5583, 5413, 5682, 5321, 5365, 5419, 5340, 5546, 5619, 5374, 5662, 5654, 5330, 5331, 5647, 5371, 5568, 5635, 5268, 5482, 5551, 5355, 5316, 5299, 5424, 5563, 5375, 5271, 5435, 5585, 5700 (2 hits) (02/08/2013 11:54:58 AM)

Table 80 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5428, 5490, 5462, 5297, 5291, 5343, 5609, 5637, 5576, 5624, 5273, 5404, 5445, 5319, 5372, 5567, 5569, 5448, 5460, 5286, 5501, 5536, 5529, 5599, 5302, 5368, 5288, 5270, 5655, 5311, 5271, 5390, 5618, 5713, 5597, 5498, 5325, 5638, 5380, 5253, 5328, 5578, 5300, 5348, 5675, 5471, 5264, 5552, 5546, 5629, 5399, 5313, 5298, 5398, 5614, 5579, 5430, 5641, 5318, 5591, 5665, 5334, 5322, 5479, 5671, 5467, 5416, 5493, 5369, 5670, 5408, 5258, 5570, 5295, 5371, 5634, 5564, 5304, 5520, 5419, 5306, 5499, 5558, 5283, 5454, 5495, 5441, 5256, 5314, 5572, 5585, 5308, 5537, 5626, 5550, 5496, 5523, 5653, 5494, 5551 (8 hits) (02/08/2013 11:55:05 AM)
29	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5601, 5362, 5433, 5264, 5338, 5354, 5301, 5406, 5717, 5499, 5332, 5652, 5663, 5411, 5474, 5322, 5635, 5404, 5343, 5346, 5710, 5369, 5382, 5374, 5498, 5299, 5546, 5593, 5419, 5414, 5373, 5455, 5390, 5394, 5629, 5684, 5551, 5259, 5703, 5714, 5576, 5371, 5603, 5261, 5475, 5432, 5408, 5618, 5366, 5521, 5510, 5491, 5260, 5582, 5288, 5682, 5473, 5470, 5614, 5461, 5453, 5613, 5643, 5691, 5363, 5721, 5568, 5641, 5316, 5280, 5683, 5523, 5344, 5485, 5454, 5573, 5706, 5599, 5492, 5341, 5660, 5563, 5397, 5692, 5358, 5531, 5625, 5574, 5542, 5550, 5513, 5616, 5487, 5520, 5508, 5413, 5384, 5447, 5349, 5376 (6 hits) (02/08/2013 11:55:16 AM)
30	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5292, 5394, 5353, 5395, 5721, 5290, 5414, 5404, 5364, 5596, 5282, 5540, 5536, 5362, 5662, 5604, 5462, 5658, 5410, 5309, 5324, 5272, 5703, 5499, 5397, 5363, 5692, 5557, 5307, 5654, 5405, 5314, 5417, 5385, 5583, 5626, 5457, 5330, 5319, 5416, 5674, 5485, 5588, 5260, 5279, 5323, 5511, 5393, 5388, 5352, 5514, 5443, 5594,

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5367, 5550, 5320, 5491, 5576, 5251, 5440, 5377, 5274, 5679, 5715, 5488, 5442, 5521, 5613, 5625, 5660, 5535, 5335, 5426, 5621, 5418, 5578, 5672, 5537, 5668, 5542, 5312, 5601, 5369, 5567, 5556, 5569, 5354, 5563, 5339, 5256, 5455, 5534, 5704, 5600, 5608, 5429, 5391, 5525, 5289, 5267 (3 hits) (02/08/2013 11:55:24 AM)
31	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5668, 5616, 5405, 5621, 5427, 5288, 5689, 5443, 5576, 5644, 5467, 5357, 5334, 5624, 5431, 5282, 5484, 5255, 5262, 5671, 5498, 5378, 5682, 5532, 5675, 5650, 5673, 5320, 5285, 5640, 5567, 5399, 5364, 5330, 5456, 5654, 5429, 5475, 5463, 5269, 5286, 5503, 5695, 5450, 5482, 5397, 5570, 5608, 5534, 5662, 5522, 5652, 5347, 5277, 5562, 5345, 5381, 5612, 5713, 5267, 5516, 5390, 5627, 5582, 5507, 5470, 5585, 5293, 5400, 5487, 5416, 5561, 5287, 5316, 5667, 5636, 5508, 5305, 5513, 5523, 5461, 5290, 5250, 5540, 5430, 5539, 5422, 5701, 5610, 5694, 5670, 5292, 5303, 5496, 5577, 5398, 5575, 5611, 5415, 5696 (5 hits) (02/08/2013 11:55:35 AM)
32	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5479, 5610, 5353, 5539, 5491, 5520, 5335, 5582, 5463, 5454, 5497, 5276, 5663, 5554, 5391, 5508, 5627, 5494, 5585, 5308, 5686, 5680, 5634, 5531, 5595, 5538, 5263, 5265, 5586, 5700, 5386, 5716, 5373, 5411, 5506, 5352, 5393, 5502, 5415, 5387, 5579, 5718, 5567, 5333, 5649, 5562, 5457, 5429, 5480, 5418, 5521, 5254, 5363, 5388, 5282, 5262, 5279, 5611, 5449, 5434, 5286, 5342, 5514, 5376, 5635, 5438, 5309, 5672, 5394, 5448, 5274, 5723, 5587, 5450, 5467, 5356, 5433, 5431, 5456, 5662, 5684, 5507, 5348, 5725, 5413, 5437, 5347, 5472, 5383, 5377, 5708, 5594, 5720, 5378, 5360, 5543, 5365, 5615, 5666, 5381 (7 hits) (02/08/2013 11:55:45 AM)

Table 80 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5369, 5261, 5366, 5534, 5310, 5670, 5590, 5606, 5328, 5489, 5405, 5566, 5703, 5368, 5634, 5409, 5584, 5596, 5253, 5401, 5630, 5705, 5600, 5315, 5346, 5342, 5431, 5545, 5283, 5704, 5353, 5549, 5551, 5470, 5548, 5339, 5273, 5397, 5603, 5711, 5452, 5416, 5486, 5544, 5329, 5588, 5463, 5327, 5447, 5333, 5267, 5523, 5529, 5411, 5336, 5586, 5465, 5417, 5514, 5301, 5658, 5478, 5517, 5505, 5450, 5659, 5556, 5720, 5472, 5601, 5689, 5622, 5564, 5595, 5292, 5509, 5424, 5435, 5627, 5712, 5323, 5350, 5690, 5698, 5558, 5302, 5707, 5516, 5695, 5349, 5685, 5702, 5635, 5725, 5438, 5308, 5611, 5382, 5713, 5436 (3 hits) (02/08/2013 11:55:54 AM)
34	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5508, 5572, 5356, 5350, 5611, 5662, 5385, 5363, 5420, 5562, 5381, 5398, 5702, 5700, 5353, 5465, 5697, 5382, 5721, 5630, 5262, 5641, 5632, 5419, 5512, 5425, 5388, 5591, 5292, 5449, 5726, 5705, 5341, 5369, 5516, 5401, 5555, 5537, 5437, 5457, 5263, 5400, 5568, 5598, 5650, 5427, 5672, 5312, 5360, 5448, 5338, 5686, 5344, 5490, 5674, 5647, 5501, 5549, 5544, 5695, 5587, 5308, 5318, 5473, 5521, 5396, 5476, 5354, 5518, 5600, 5677, 5576, 5365, 5452, 5253, 5564, 5574, 5414, 5667, 5334, 5715, 5582, 5415, 5709, 5626, 5329, 5326, 5552, 5504, 5663, 5469, 5288, 5590, 5565, 5579, 5351, 5498, 5523, 5693, 5569 (5 hits) (02/08/2013 11:56:03 AM)
35	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5518, 5315, 5644, 5572, 5439, 5488, 5453, 5515, 5614, 5699, 5426, 5512, 5705, 5334, 5472, 5319, 5476, 5260, 5418, 5356, 5468, 5412, 5542, 5424, 5726, 5290, 5557, 5634, 5305, 5423, 5277, 5522, 5668, 5563, 5436, 5724, 5689, 5448, 5591, 5265, 5335, 5490, 5519, 5253, 5298, 5384, 5570, 5551, 5368, 5401, 5462, 5698, 5301,

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5429, 5629, 5714, 5582, 5406, 5581, 5624, 5534, 5615, 5683, 5586, 5341, 5405, 5286, 5628, 5687, 5255, 5435, 5293, 5359, 5296, 5267, 5560, 5509, 5494, 5363, 5357, 5378, 5723, 5470, 5504, 5520, 5362, 5549, 5641, 5530, 5369, 5578, 5517, 5703, 5637, 5432, 5437, 5721, 5596, 5552, 5457 (4 hits) (02/08/2013 11:56:12 AM)
36	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5415, 5279, 5277, 5253, 5429, 5724, 5359, 5640, 5590, 5282, 5595, 5663, 5573, 5338, 5711, 5567, 5294, 5558, 5420, 5550, 5703, 5541, 5375, 5418, 5645, 5349, 5483, 5441, 5350, 5373, 5553, 5639, 5605, 5679, 5698, 5460, 5642, 5519, 5531, 5570, 5638, 5348, 5520, 5534, 5462, 5507, 5292, 5700, 5264, 5446, 5528, 5630, 5657, 5552, 5655, 5680, 5521, 5487, 5333, 5360, 5549, 5633, 5715, 5498, 5497, 5539, 5670, 5473, 5318, 5324, 5505, 5384, 5327, 5484, 5289, 5298, 5548, 5276, 5506, 5443, 5365, 5581, 5263, 5644, 5261, 5270, 5366, 5512, 5706, 5555, 5481, 5433, 5330, 5643, 5352, 5597, 5284, 5540, 5345, 5275 (5 hits) (02/08/2013 11:56:20 AM)
37	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5458, 5700, 5543, 5500, 5257, 5400, 5375, 5441, 5322, 5258, 5411, 5629, 5473, 5625, 5666, 5620, 5344, 5609, 5351, 5293, 5688, 5521, 5619, 5314, 5481, 5642, 5327, 5505, 5546, 5610, 5628, 5383, 5474, 5657, 5330, 5434, 5612, 5254, 5444, 5649, 5431, 5419, 5394, 5715, 5466, 5478, 5256, 5464, 5677, 5357, 5333, 5498, 5323, 5265, 5692, 5701, 5404, 5339, 5617, 5282, 5646, 5283, 5674, 5540, 5553, 5549, 5415, 5477, 5696, 5650, 5493, 5661, 5465, 5308, 5725, 5513, 5461, 5318, 5656, 5534, 5557, 5485, 5312, 5416, 5341, 5512, 5570, 5266, 5618, 5576, 5253, 5397, 5552, 5647, 5640, 5457, 5489, 5589, 5413, 5352 (5 hits) (02/08/2013 11:56:29 AM)

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
38	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5492, 5638, 5474, 5353, 5336, 5457, 5426, 5389, 5609, 5595, 5582, 5436, 5521, 5558, 5400, 5657, 5686, 5460, 5653, 5527, 5459, 5298, 5443, 5294, 5562, 5636, 5368, 5556, 5277, 5646, 5707, 5430, 5482, 5518, 5666, 5670, 5417, 5520, 5411, 5720, 5473, 5273, 5370, 5639, 5652, 5495, 5339, 5489, 5701, 5564, 5364, 5533, 5622, 5327, 5585, 5447, 5502, 5691, 5592, 5269, 5431, 5385, 5299, 5511, 5286, 5437, 5348, 5409, 5472, 5544, 5598, 5620, 5584, 5507, 5505, 5479, 5475, 5708, 5344, 5449, 5257, 5384, 5677, 5651, 5664, 5480, 5499, 5272, 5366, 5352, 5324, 5424, 5271, 5399, 5282, 5632, 5423, 5454, 5723, 5340 (8 hits) (02/08/2013 11:56:37 AM)
39	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5581, 5363, 5292, 5672, 5383, 5333, 5606, 5397, 5322, 5516, 5642, 5637, 5361, 5477, 5428, 5569, 5693, 5252, 5617, 5348, 5456, 5683, 5530, 5723, 5276, 5719, 5263, 5600, 5250, 5713, 5403, 5320, 5344, 5410, 5345, 5567, 5662, 5619, 5290, 5589, 5699, 5676, 5311, 5288, 5552, 5442, 5685, 5305, 5654, 5355, 5411, 5454, 5313, 5631, 5420, 5268, 5679, 5674, 5588, 5696, 5471, 5379, 5414, 5630, 5321, 5388, 5682, 5269, 5586, 5500, 5692, 5583, 5564, 5478, 5390, 5554, 5331, 5661, 5308, 5584, 5557, 5366, 5627, 5653, 5267, 5435, 5521, 5374, 5453, 5385, 5369, 5406, 5294, 5510, 5354, 5441, 5262, 5404, 5444, 5474 (2 hits) (02/08/2013 11:56:47 AM)
40	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5356, 5618, 5698, 5515, 5619, 5386, 5473, 5683, 5576, 5507, 5686, 5270, 5369, 5707, 5547, 5293, 5424, 5312, 5447, 5723, 5359, 5372, 5343, 5510, 5630, 5562, 5467, 5700, 5634, 5622, 5413, 5264, 5718, 5518, 5274, 5508, 5624, 5651, 5466, 5577, 5301, 5502, 5388, 5251, 5715, 5643, 5602, 5464, 5355, 5316, 5608, 5282, 5493,

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5335, 5401, 5333, 5570, 5423, 5258, 5551, 5286, 5685, 5444, 5441, 5537, 5479, 5688, 5469, 5704, 5470, 5561, 5308, 5642, 5298, 5306, 5536, 5254, 5684, 5385, 5612, 5463, 5252, 5486, 5352, 5310, 5451, 5553, 5377, 5375, 5659, 5261, 5331, 5620, 5256, 5609, 5426, 5348, 5708, 5295, 5701 (5 hits) (02/08/2013 11:56:57 AM)
41	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5503, 5553, 5428, 5406, 5706, 5590, 5585, 5457, 5410, 5594, 5317, 5440, 5388, 5530, 5720, 5604, 5411, 5397, 5463, 5560, 5610, 5366, 5432, 5568, 5554, 5615, 5618, 5293, 5420, 5559, 5473, 5541, 5649, 5606, 5513, 5687, 5597, 5389, 5529, 5472, 5545, 5338, 5257, 5479, 5724, 5540, 5391, 5262, 5308, 5439, 5298, 5488, 5380, 5536, 5330, 5539, 5478, 5561, 5635, 5385, 5352, 5425, 5357, 5296, 5297, 5663, 5690, 5665, 5628, 5556, 5607, 5365, 5430, 5573, 5436, 5280, 5486, 5287, 5456, 5704, 5495, 5527, 5272, 5277, 5598, 5402, 5271, 5633, 5355, 5326, 5378, 5383, 5426, 5701, 5711, 5379, 5283, 5613, 5364, 5651 (2 hits) (02/08/2013 11:57:05 AM)
42	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5685, 5543, 5333, 5726, 5524, 5604, 5544, 5519, 5686, 5388, 5710, 5637, 5557, 5284, 5409, 5415, 5506, 5624, 5555, 5336, 5268, 5638, 5381, 5346, 5585, 5595, 5602, 5551, 5258, 5645, 5696, 5251, 5660, 5393, 5529, 5328, 5359, 5297, 5590, 5358, 5695, 5700, 5684, 5472, 5392, 5563, 5677, 5470, 5648, 5349, 5361, 5476, 5416, 5315, 5703, 5376, 5605, 5264, 5609, 5658, 5339, 5368, 5265, 5501, 5526, 5671, 5567, 5646, 5619, 5607, 5467, 5292, 5539, 5579, 5353, 5382, 5423, 5527, 5510, 5301, 5335, 5371, 5471, 5387, 5362, 5304, 5639, 5363, 5697, 5711, 5456, 5575, 5431, 5424, 5516, 5473, 5550, 5599, 5414, 5373 (3 hits) (02/08/2013 11:57:13 AM)

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
43	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5530, 5489, 5523, 5289, 5547, 5528, 5420, 5658, 5604, 5393, 5311, 5707, 5662, 5457, 5320, 5351, 5340, 5618, 5488, 5321, 5586, 5721, 5304, 5429, 5403, 5549, 5503, 5685, 5376, 5594, 5395, 5612, 5336, 5301, 5417, 5525, 5353, 5270, 5621, 5497, 5570, 5535, 5326, 5606, 5383, 5264, 5330, 5473, 5345, 5491, 5347, 5407, 5571, 5559, 5561, 5478, 5324, 5509, 5422, 5717, 5619, 5423, 5610, 5598, 5371, 5255, 5539, 5453, 5404, 5267, 5545, 5541, 5648, 5640, 5413, 5496, 5303, 5592, 5526, 5323, 5369, 5252, 5625, 5642, 5718, 5257, 5399, 5504, 5410, 5684, 5703, 5536, 5419, 5354, 5372, 5651, 5434, 5502, 5355, 5669 (8 hits) (02/08/2013 11:57:21 AM)
44	9	1.0	333.0	Yes	5509.0MHz, -64.0dBm	Hop sequence: 5567, 5377, 5460, 5344, 5394, 5255, 5262, 5392, 5525, 5254, 5493, 5450, 5492, 5695, 5719, 5288, 5581, 5701, 5363, 5649, 5621, 5390, 5521, 5718, 5613, 5507, 5560, 5375, 5451, 5437, 5418, 5453, 5687, 5302, 5725, 5274, 5486, 5685, 5292, 5533, 5657, 5589, 5529, 5438, 5697, 5570, 5399, 5251, 5343, 5568, 5608, 5445, 5471, 5614, 5628, 5600, 5307, 5320, 5290, 5587, 5537, 5431, 5681, 5362, 5515, 5504, 5280, 5447, 5338, 5647, 5405, 5658, 5633, 5345, 5253, 5412, 5428, 5577, 5386, 5532, 5479, 5490, 5698, 5590, 5544, 5258, 5559, 5391, 5273, 5588, 5477, 5509, 5407, 5496, 5551, 5703, 5293, 5267, 5648, 5315 (7 hits) (02/08/2013 11:57:31 AM)
45	9	1.0	333.0	Yes	5510.0MHz, -64.0dBm	Hop sequence: 5547, 5388, 5607, 5297, 5411, 5570, 5282, 5354, 5602, 5477, 5430, 5399, 5711, 5647, 5261, 5310, 5352, 5691, 5631, 5368, 5540, 5620, 5373, 5395, 5473, 5714, 5564, 5605, 5379, 5382, 5276, 5272, 5321, 5358, 5478, 5268, 5576, 5578, 5577, 5451, 5322, 5271, 5527, 5425, 5256, 5549, 5526, 5295, 5421, 5684, 5686, 5413, 5305,

Table 80 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5712, 5652, 5635, 5323, 5385, 5519, 5633, 5682, 5501, 5317, 5496, 5698, 5537, 5343, 5536, 5641, 5495, 5331, 5304, 5676, 5436, 5414, 5545, 5506, 5497, 5655, 5480, 5671, 5302, 5386, 5383, 5503, 5470, 5626, 5362, 5292, 5723, 5513, 5303, 5665, 5550, 5336, 5715, 5366, 5552, 5286, 5651 (6 hits) (02/08/2013 11:57:40 AM)
46	9	1.0	333.0	Yes	5511.0MHz, -64.0dBm	Hop sequence: 5543, 5303, 5577, 5698, 5561, 5545, 5486, 5403, 5490, 5345, 5375, 5423, 5416, 5541, 5428, 5678, 5264, 5627, 5512, 5465, 5590, 5569, 5265, 5461, 5664, 5251, 5494, 5550, 5388, 5363, 5576, 5560, 5320, 5395, 5580, 5688, 5273, 5674, 5438, 5287, 5297, 5662, 5717, 5474, 5404, 5497, 5621, 5267, 5353, 5475, 5594, 5653, 5680, 5327, 5374, 5601, 5628, 5611, 5334, 5299, 5476, 5563, 5681, 5704, 5606, 5464, 5520, 5358, 5685, 5407, 5360, 5482, 5616, 5608, 5429, 5626, 5635, 5296, 5562, 5620, 5292, 5479, 5263, 5639, 5555, 5529, 5617, 5586, 5495, 5604, 5295, 5367, 5538, 5356, 5285, 5707, 5471, 5493, 5256, 5589 (5 hits) (02/08/2013 11:57:49 AM)

Appendix C Test Data Tables and Plots for Channel Closing**FCC PART 15 SUBPART E Channel Closing Measurements**

Table 81 FCC Part 15 Subpart E Channel Closing Test Results					
Waveform Type	Channel Closing Transmission Time ¹		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	0 ms	60 ms	95 ms	10 s	Pass
Radar Type 5	0 ms	60 ms	0 ms	10 s	Pass
Radar Type 1	0 ms	60 ms	96 ms	10 s	Pass
Radar Type 5	0 ms	60 ms	0 ms	10 s	Pass

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

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

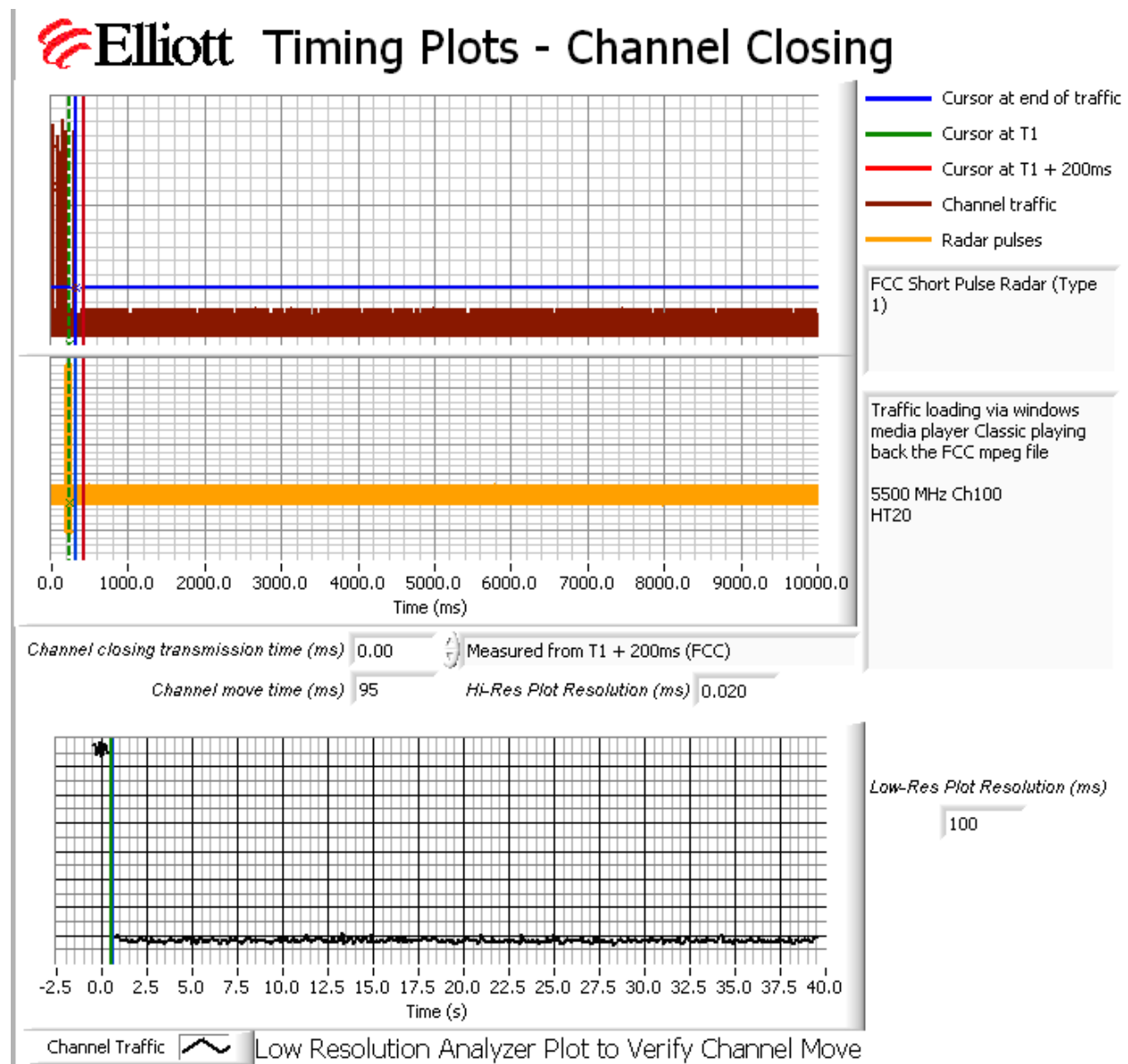


Figure 2 Channel Closing Time and Channel Move Time – 40 second plot, Type 1 Radar, HT20

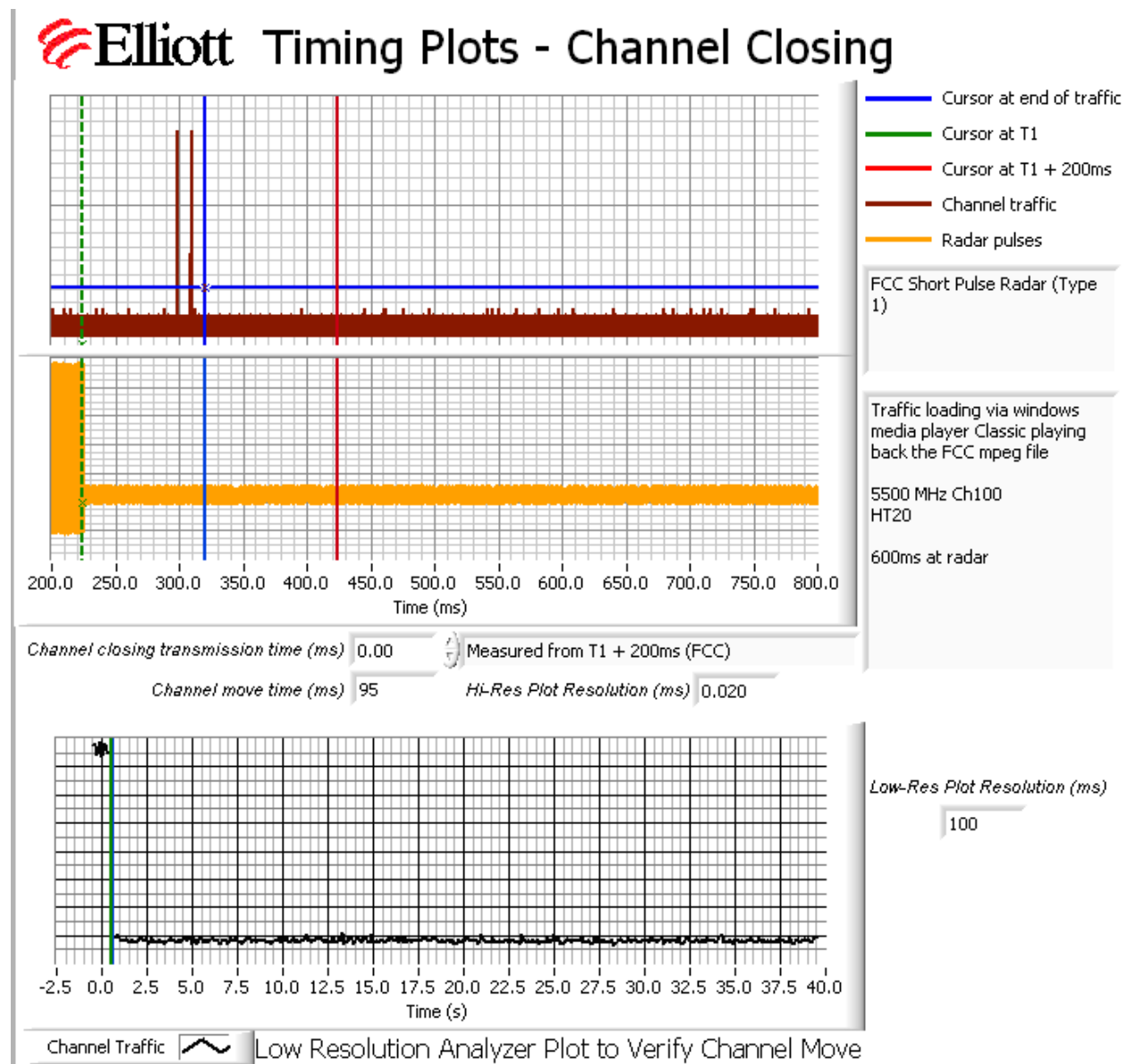


Figure 3 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, Type 1, HT20

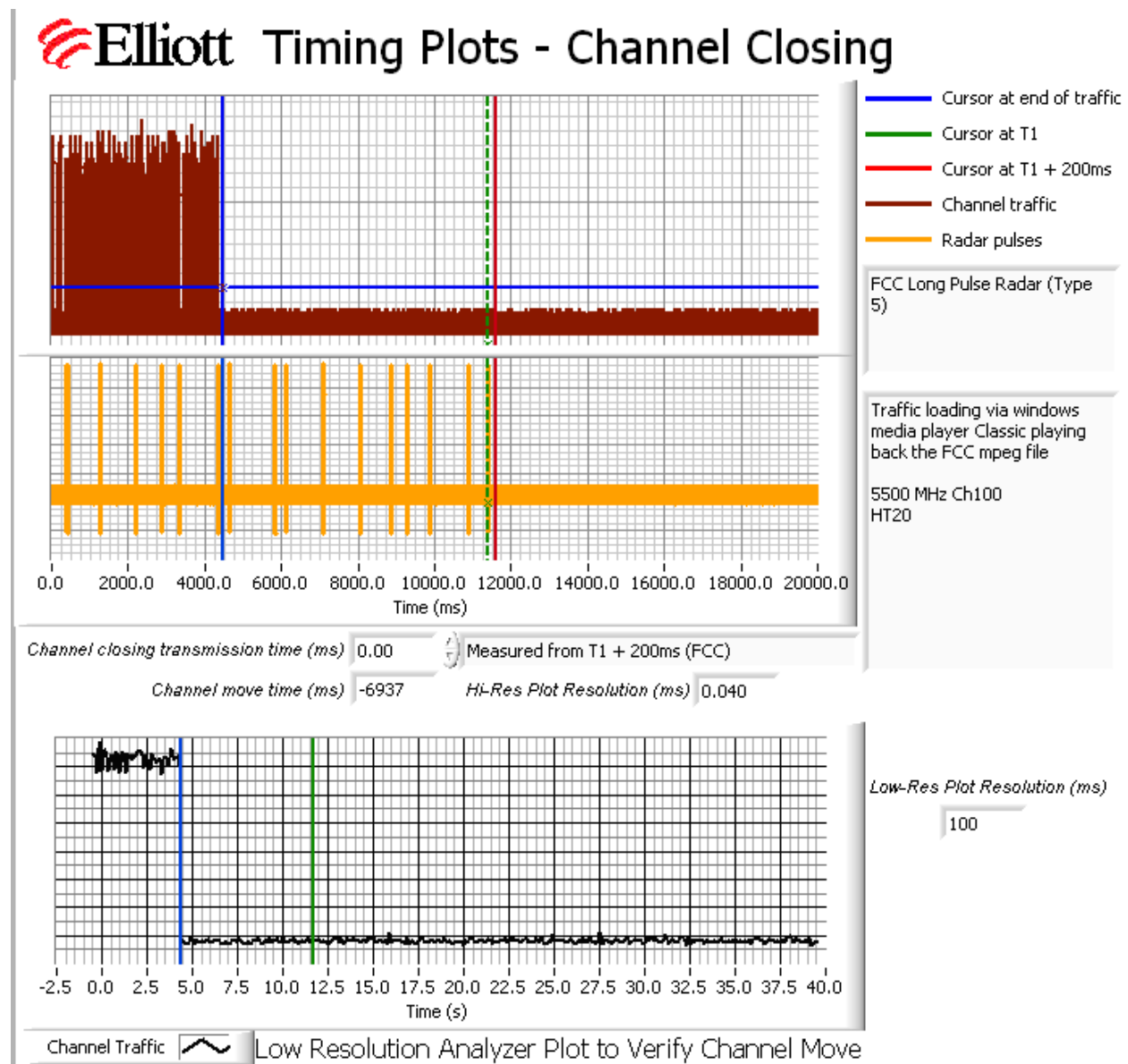


Figure 4 Channel Closing Time and Channel Move Time – 40 second plot, Long Pulse Radar, HT20

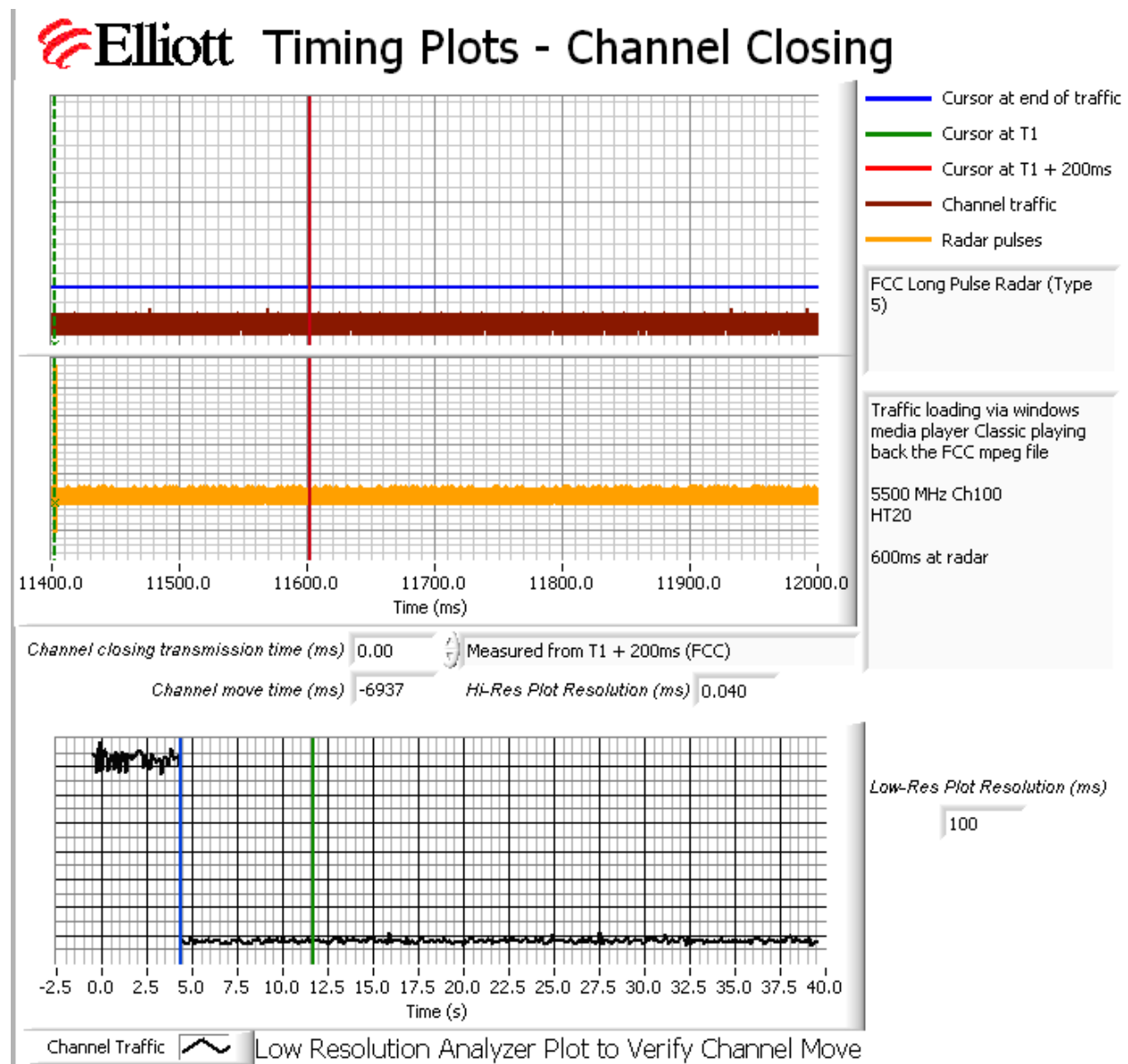


Figure 5 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, Long Pulse, HT20

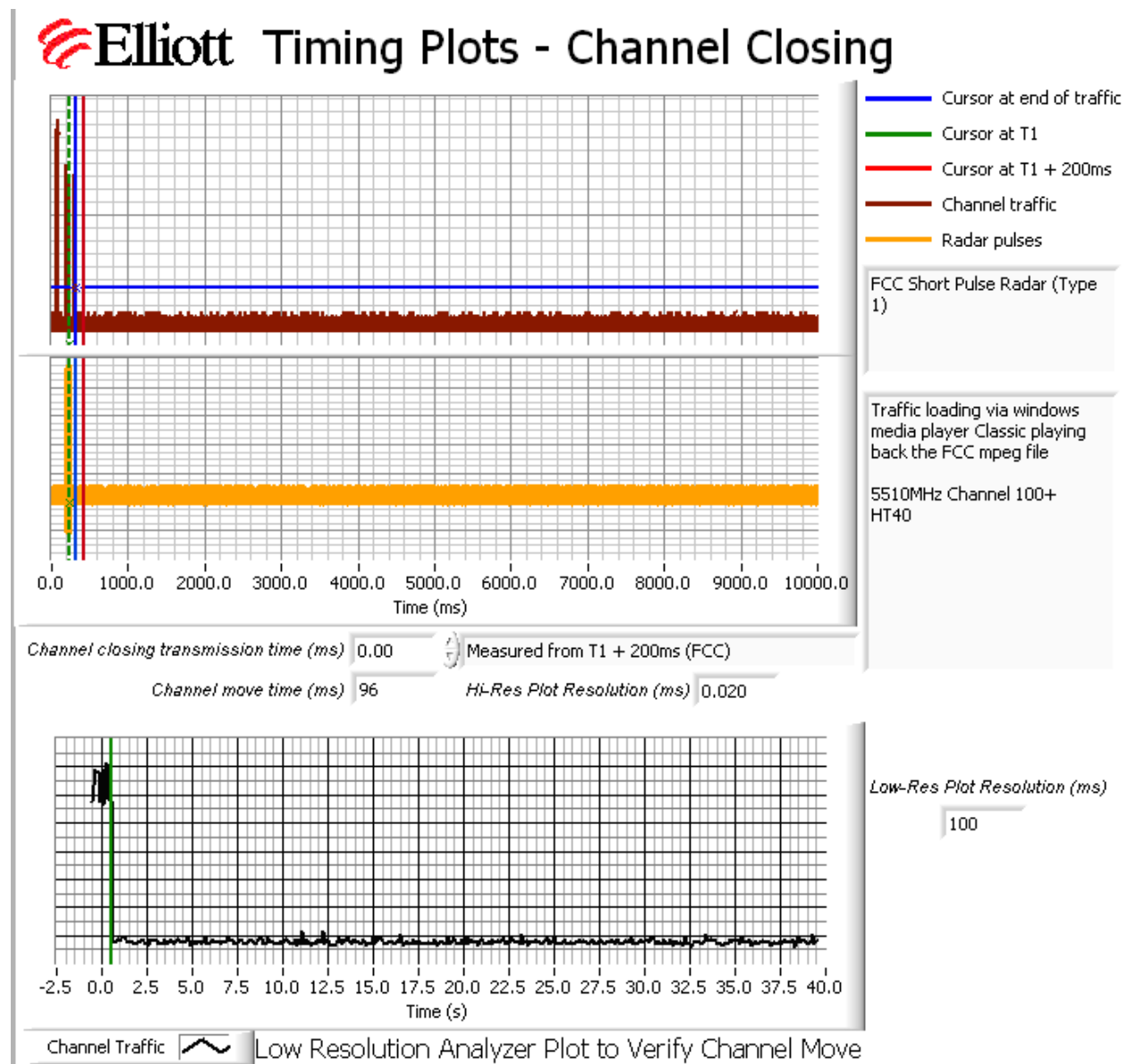


Figure 6 Channel Closing Time and Channel Move Time – 40 second plot, Type 1 Radar, HT40

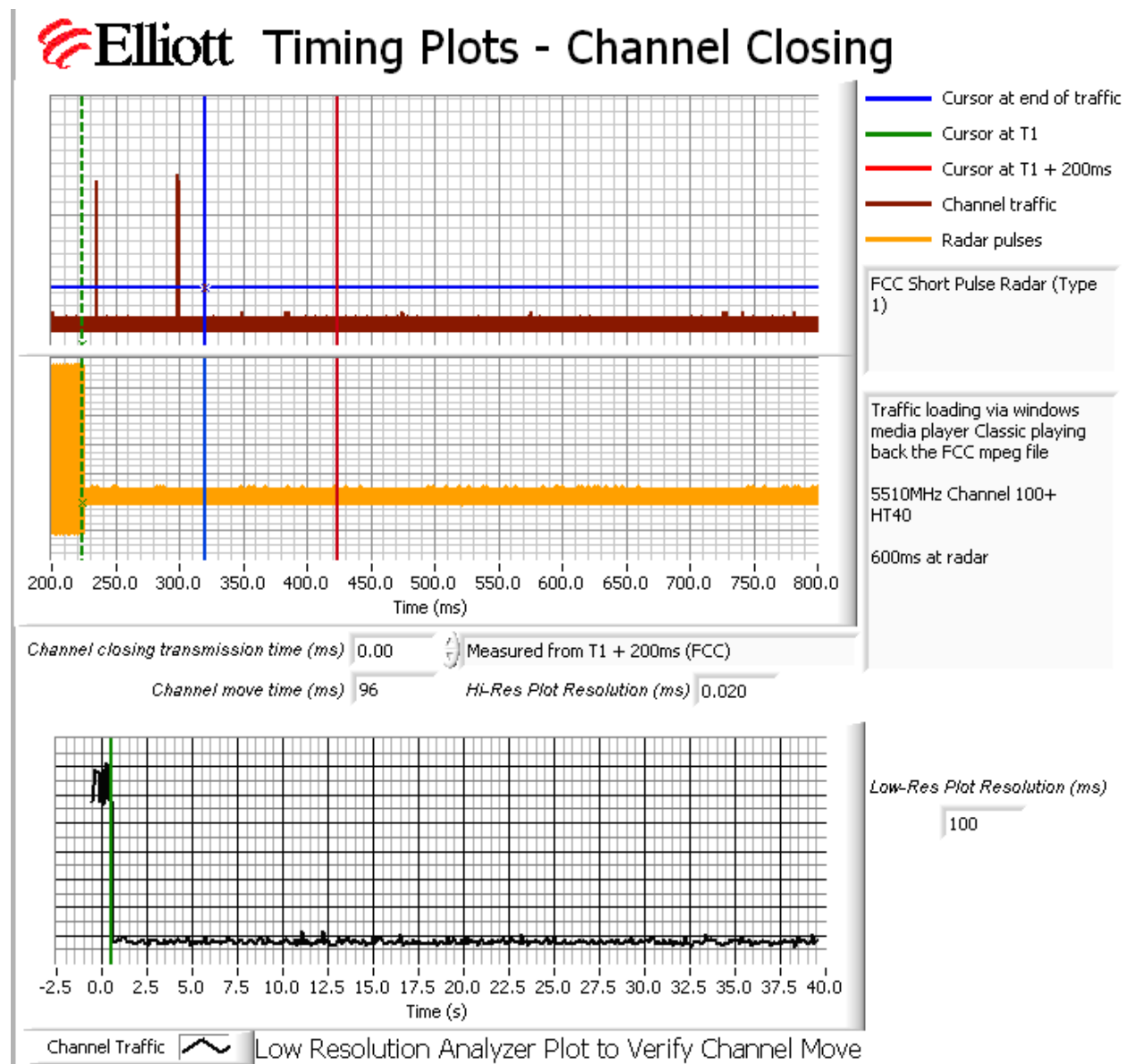


Figure 7 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, Type 1, HT40

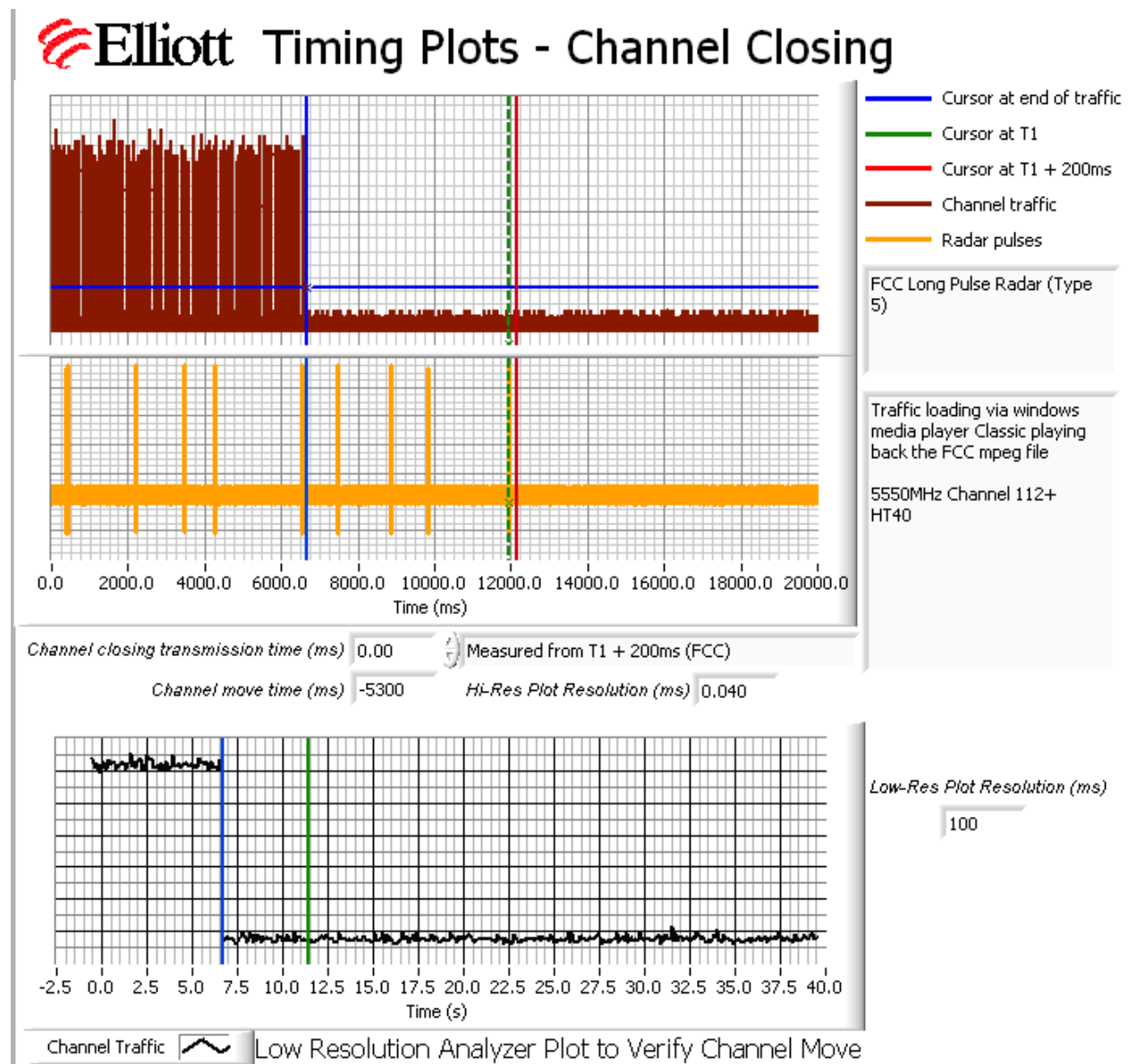


Figure 8 Channel Closing Time and Channel Move Time – 40 second plot, Long Pulse Radar, HT40

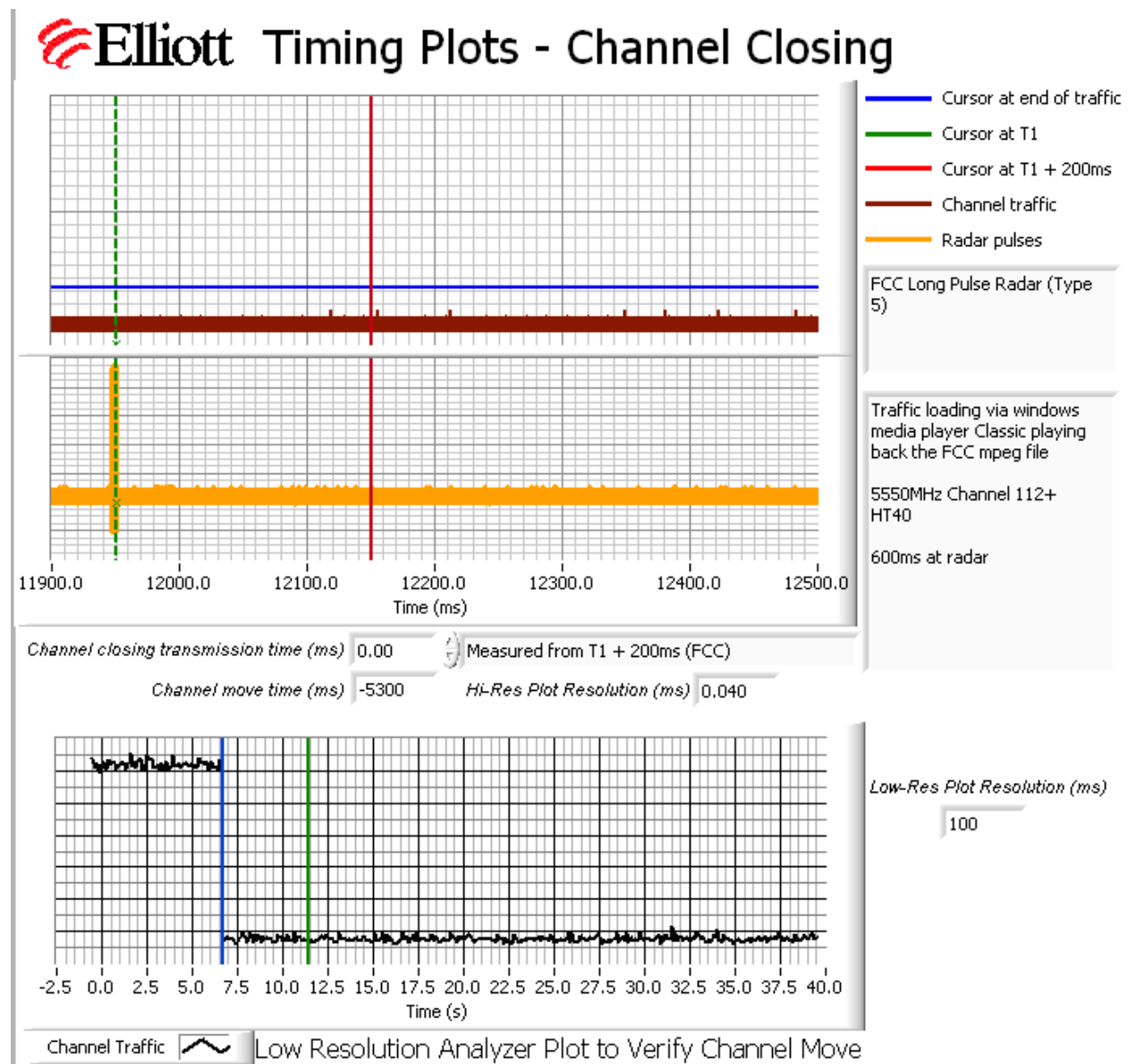
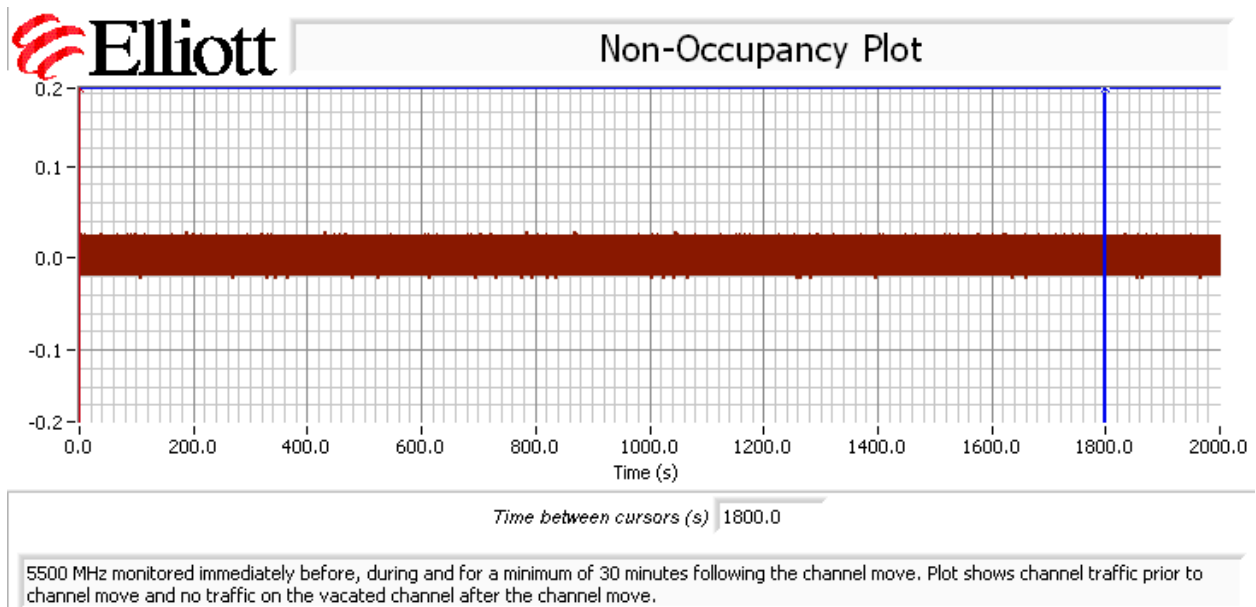
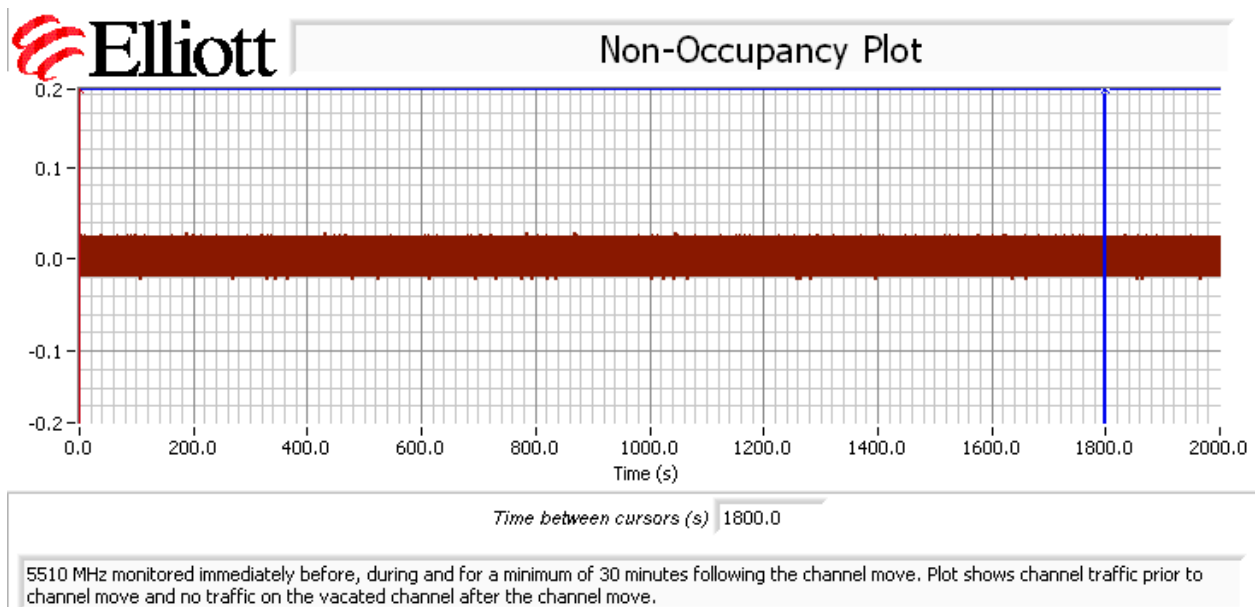


Figure 9 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, Long Pulse, HT40

**Figure 10 Radar Channel Non-Occupancy Plot - HT20 mode****Figure 11 Radar Channel Non-Occupancy Plot - HT40 mode**

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

Appendix D Test Data – Channel Availability Check

5250- 5350 MHz, 5470 – 5725 MHz

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

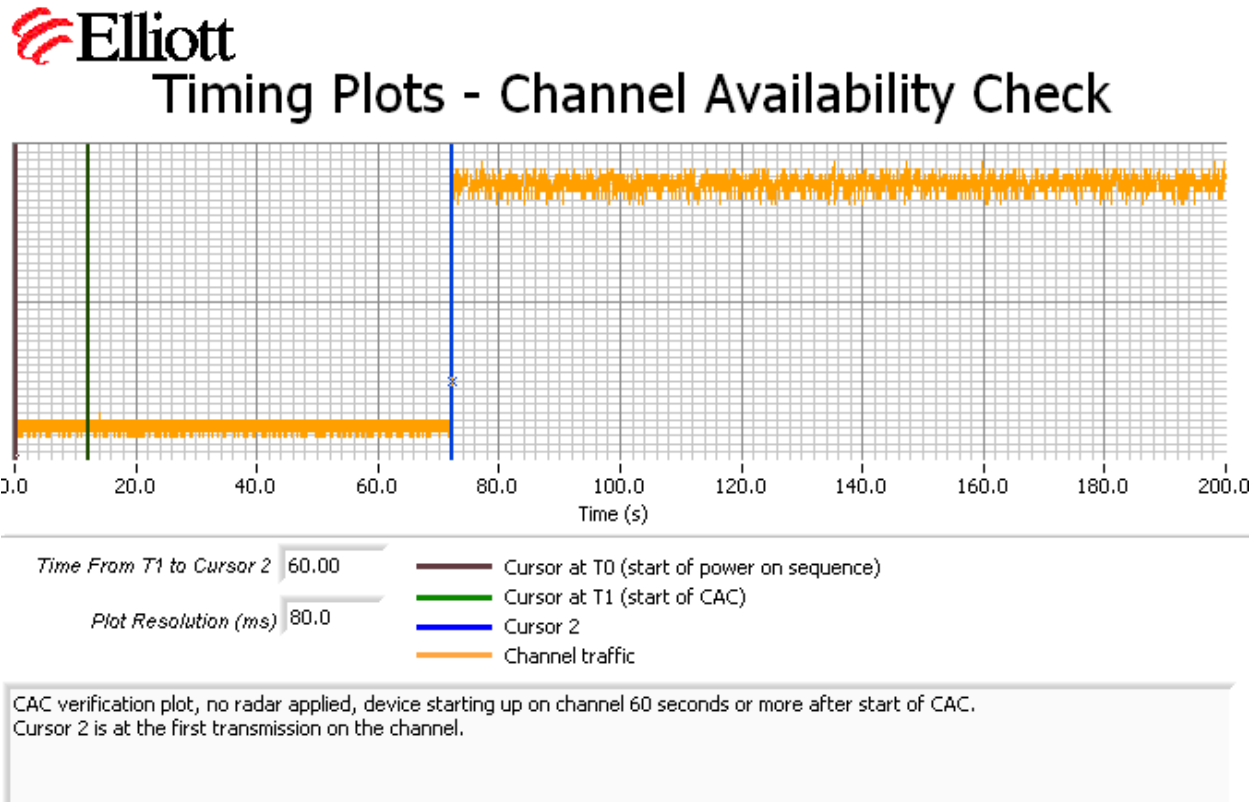


Figure 12 Plot of EUT Start-Up After CAC

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

The level of the radar signal applied was -64dBm. Measurements were made on channel 100 (5500 MHz).

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

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



Timing Plots - Channel Availability Check

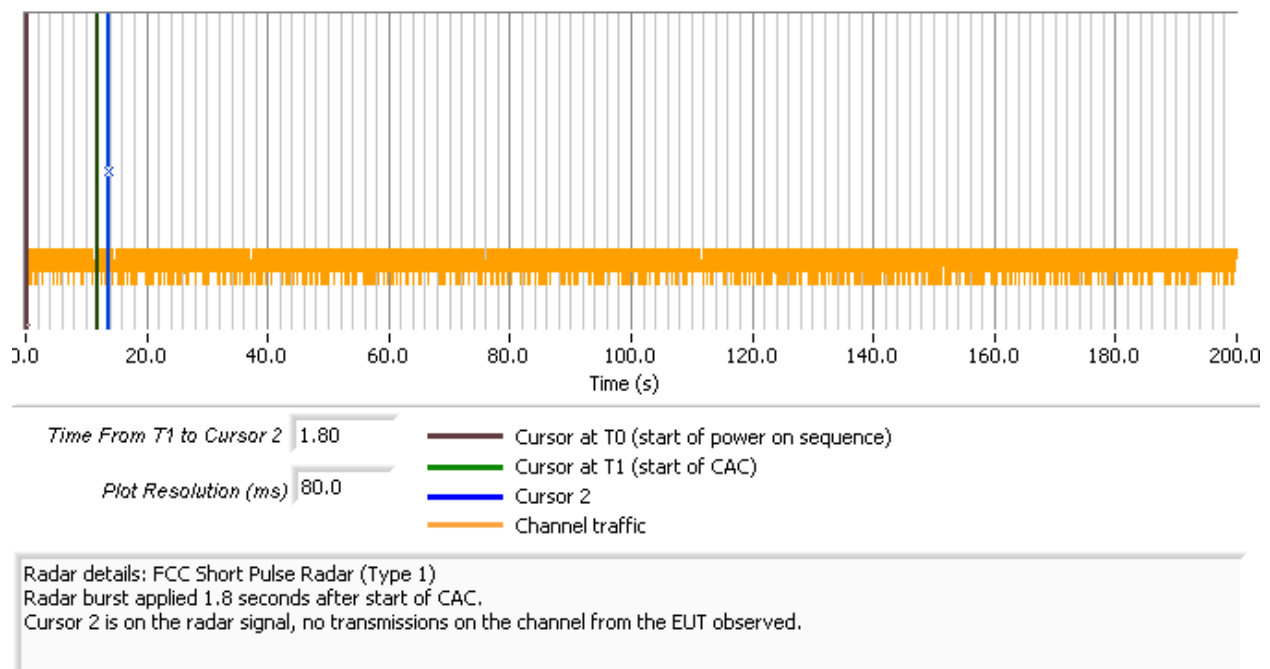


Figure 13 Radar Applied At Start of CAC



Timing Plots - Channel Availability Check

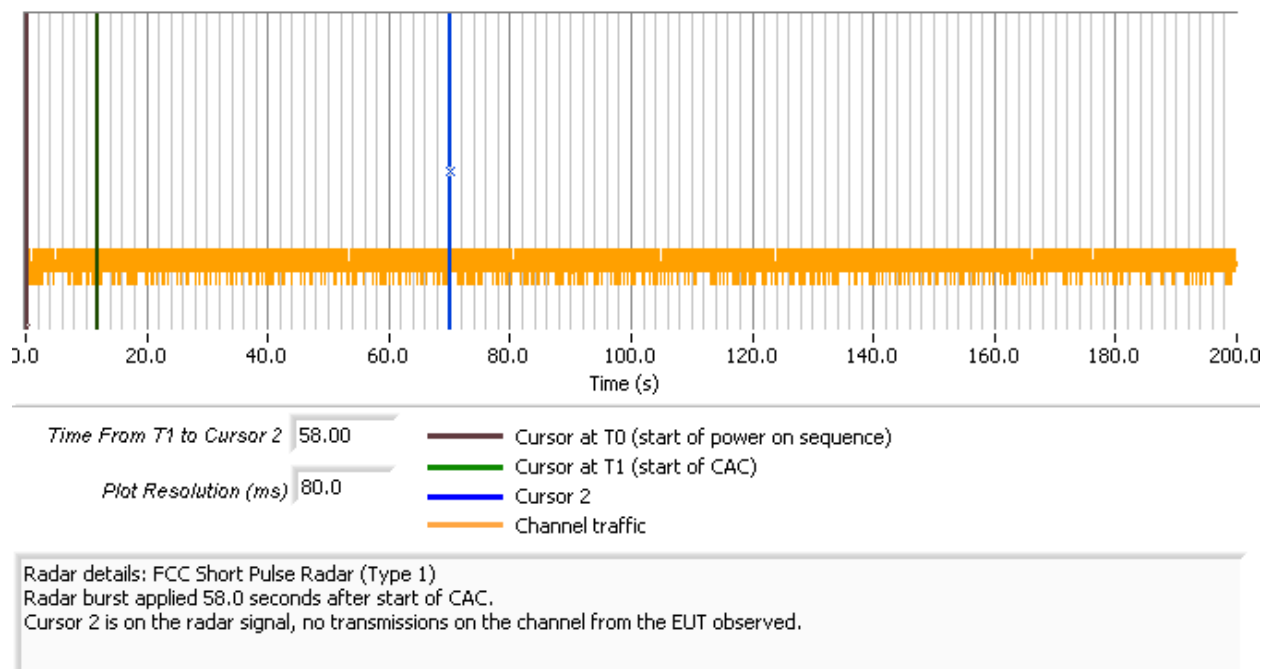


Figure 14 Radar Applied At End of CAC

Appendix E Antenna Specification

Antenna Model	Pattern	AP			Band	Gain	Connector	Env
		Radio1	Radio2	Radio3				
WS-AI-DT05120	Sector	3710e, 3725e	3710e, 3725e	3725e	2.4/ 5GHz	5 dBi/ 5dBi	3xRSMA	Indoor

2.3-2.7 GHz & 4.9-6.1 GHz Dual Band MIMO Applications Sector Antenna, 120°

MAWEN8-3H

MARS Dual Band Sector antenna provides coverage of 2.3 to 2.7 GHz & 4.9 to 6.1 GHz in a single antenna radome.

Additional Features:

- omnidirectional coverage of 802.11n, a/g/n, WIMAX & 4.9 GHz Public Safety Bands
- lightweight and durable construction
- UV protected radome made of plastic

Specifications:

Electrical		
Frequency range	2.3 - 2.7 GHz	4.9 - 6.1 GHz
Gain, typ.	5 dBi x3	5 dBi x3

Antenna Model	Pattern	AP			Band	Gain	Connector	Env
		Radio1	Radio2	Radio3				
WS-AI-DX02360	Omni	3710e	3710e		2.4/ 5GHz	2 dBi/ 2dBi	6xRSMA	Indoor

2.4-2.5 / 5.1-5.9 GHz CEILING MOUNTED OMNI

The S2451DBT is a dual-band 6-element omnidirectional antenna for use in 802.11n MIMO applications. 3 ports are designed to operate at 2.4 GHz and 3 ports are designed to operate at 5 GHz. Housed in a compact, low-profile Radome, each of the six MIMO antenna elements is connected to the WLAN Access Point via a low loss, plenum-rated coax pigtail.

The radiation patterns are uniform and symmetrical, providing high levels signal density into defined coverage zones. This antenna will greatly enhance the performance of 802.11n systems. The dual band frequency coverage means that a single type of antenna can be deployed with any MIMO radio in the 2.4-2.5 GHz and 5.1-5.9 GHz bands. A wide choice of coax lengths and connector types are available.

FEATURES ☒ **RoHS**

- Vertically polarized omnidirectional
- Compact size
- 2.4-2.5 / 5.1-5.9 GHz, full 802.11b/a/g/n wide band performance
- Choice of pigtail length and connector type

MARKETS

- Enterprise WLAN networks
- Campuses, hospitals, airports and other public spaces
- MIMO applications

SPECIFICATIONS

Frequency	2.4-2.5 GHz & 5.15-5.85 GHz
Gain @ 45° from horizon	2 dBi

Antenna Model	Pattern	AP			Band	Gain	Connector	Env
		Radio1	Radio2	Radio3				
WS-AI-DT04160	Omni	3710e, 3725e	3710e, 3725e	3725e	2.4/ 5GHz	3dBi/ 4dBi	3xRSMA	Indoor

Dual-Band MIMO Panel Antenna

The radiation patterns are uniform and symmetrical, providing high levels of signal density into defined coverage zones. This antenna will greatly enhance the performance of 802.11n systems.

Specifications:

Frequency Range (GHz)	2.4-2.5 & 4.9-5.9
Gain (dBi)	3.0 / 4.0
VSWR	2.0:1
Polarization	Linear
Azimuth (3dB beamwidth)	Omnidirectional
Elevation (3dB beamwidth)	60°
Mounting Style	Ceiling grid / Suspension tile
Power (Watts)	2
Dimensions (mm)	12.1" x 8.6" x 3.6" (D08 x 22 x 92)

Part Number 52449315

Antennas in this series: 52449315 Antenna with 3 x 18" pigtail and metal D08.

Appendix F Test Configuration Photograph(s)

