

TEST REPORT

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

**Flextronics
Model(s): WS-AP3710i**

FCC ID: QQD10I
IC CERTIFICATION #: 5248S-10I

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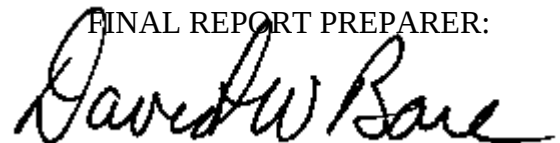
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REVISION HISTORY

Rev #	Date	Comments	Modified By
1.0	March 4, 2013	Initial release	-

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SCOPE

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

- FCC Part 15 Subpart E Unlicensed National Information Infrastructure (U-NII) Devices.
- RSS-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 NTS Silicon Valley test procedures. The test results recorded herein are based on a single type test of the Flextronics model WS-AP3710i and therefore apply only to the tested sample. The sample was selected and prepared by Contact's name of Flextronics.

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 model WS-AP3710i complied with the DFS requirements of FCC Part 15.407(h)(2), 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	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5700 MHz	> 60 seconds	≥ 60seconds	Appendix D	Complies
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	Varies	-63 dBm ²	-63dBm ²	Appendix B	Complies
Bandwidth Detection	Type 1	Varies	19 MHz 39 MHz	80% of the 99% BW	-	Complies
Channel closing transmission time	Type 1 Type 5 Type 1 Type 5	5500 MHz 5540 MHz 5510 MHz 5550 MHz	0 ms 0 ms 0 ms 0 ms	≤ 260ms	Appendix C	Complies
Channel move time	Type 1 Type 5 Type 1 Type 5	5500 MHz 5540 MHz 5510 MHz 5550 MHz	97 ms -7261 ms 97 ms -3754 ms ⁴	≤ 10s	Appendix C	Complies
Non-occupancy period	-	5580 MHz 5550 MHz	>30 minutes	> 30 minutes	Appendix C	Complies
Uniform Loading		-	-	Uniform Loading	Refer to operational description	Complies
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 5500-5700 MHz band. 4) A negative value indicates that the traffic ceased on the channel prior to the end of the applied radar.						

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 model WS-AP3710i is a multiple radio access point, each radio operating in 3x3 MIMO and legacy modes. It incorporates both a 2.4 GHz band 802.11b/g/n and a 5 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 December 1, 2012 and tested on January 31 and February 1, 2013. The EUT consisted of the following product:

Manufacturer	Model	Description	Serial Number
Flextronics	WS-AP3710i	Access Point	124504905945

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

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

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	2	2
Highest Antenna Gain (dBi)	2	2
EIRP Output Power (dBm)	26.6	26.7

- ☒ Power can exceed 200mW eirp

Channel Protocol

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

ENCLOSURE

The EUT enclosure measures approximately 20 by 18.5 by 3.5 centimeters. It is constructed of uncoated plastic and cast metal.

MODIFICATIONS

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

SUPPORT EQUIPMENT

The following equipment was used as support equipment for testing:

Manufacturer	Model	Description	Serial Number	FCC ID
HP	Pavillion dv6000	Laptop Computer	CNF73411TR	-
<i>Dell</i>	<i>Inspiron 8600</i>	<i>Laptop Computer</i>	<i>42707742661</i>	-
PowerDsine	9001G-40/SP	POE adapter	N11456519001846A01	-

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	Remote POE adapter or switch	Cat 5	Unshielded	10
Remote POE Data or switch	Laptop	Cat 5	Unshielded	2

EUT OPERATION

The EUT was operating with the following software. The software is secured as described in the operational description to prevent the user from disabling the DFS function.

Master Device: V8.21.01.0015T

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 approximately 14 seconds after 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.

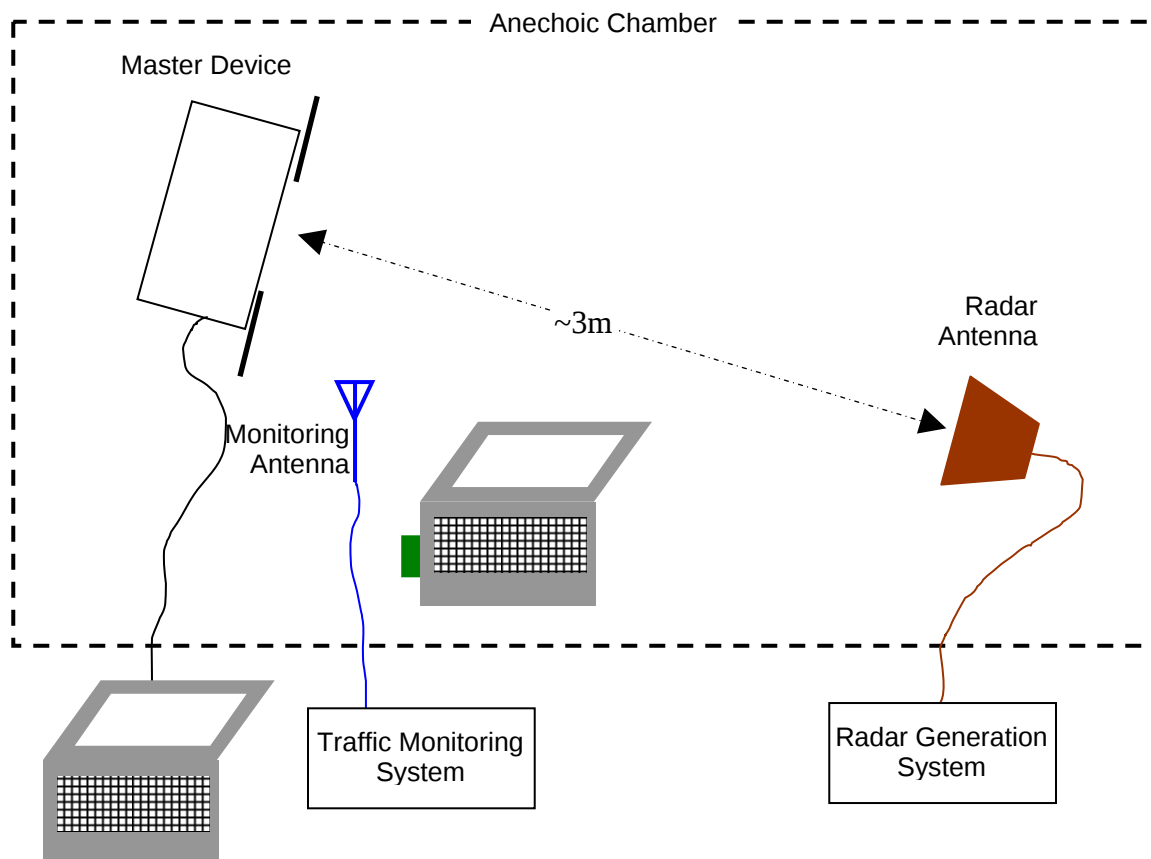


Figure 1 Test Configuration for radiated Measurement Method

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

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

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 - 802.11n 20MHz Detection Bandwidth Measurements (Bandwidth: +9MHz /-9MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5510.00 MHz	2	3	40
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5511.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5512.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5513.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5514.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5515.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5516.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5517.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5518.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5519.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5520.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5521.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5522.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5523.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5524.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5525.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5526.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5527.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5528.00 MHz	10	0	100
5520.00 MHz	FCC Short Pulse Radar (Type 1)	5529.00 MHz	10	0	100
5520.00 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)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	70.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	83.3 %	60.0 %	30	PASSED
Aggregate of above results	86.7 %	80.0 %	120	PASSED
Long Sequence	90.0 %	80.0 %	30	PASSED

Table 7 - FCC Short Pulse Radar (Type 1) Results 802.11n 40MHz						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (01/18/2013 06:12:50 PM)
2	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (01/18/2013 06:13:05 PM)
3	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (01/18/2013 06:13:51 PM)
4	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (01/18/2013 06:14:17 PM)
5	18	1.0	1428.0	Yes	5525.0MHz, -64.0dBm	Single burst (01/18/2013 06:14:28 PM)

Table 7 - FCC Short Pulse Radar (Type 1) Results 802.11n 40MHz

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
6	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (01/18/2013 06:14:38 PM)
7	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (01/18/2013 06:14:48 PM)
8	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (01/18/2013 06:14:58 PM)
9	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (01/18/2013 06:15:12 PM)
10	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (01/18/2013 06:15:26 PM)
11	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (01/18/2013 06:15:39 PM)
12	18	1.0	1428.0	Yes	5525.0MHz, -64.0dBm	Single burst (01/18/2013 06:15:48 PM)
13	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (01/18/2013 06:16:03 PM)
14	18	1.0	1428.0	No	5515.0MHz, -64.0dBm	Single burst (01/18/2013 06:16:12 PM)
15	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (01/18/2013 06:16:53 PM)
16	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (01/18/2013 06:17:09 PM)
17	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (01/18/2013 06:17:21 PM)
18	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (01/18/2013 06:17:39 PM)
19	18	1.0	1428.0	Yes	5525.0MHz, -64.0dBm	Single burst (01/18/2013 06:17:58 PM)
20	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (01/18/2013 06:18:08 PM)
21	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (01/18/2013 06:18:20 PM)
22	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (01/18/2013 06:18:33 PM)
23	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (01/18/2013 06:18:43 PM)
24	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (01/18/2013 06:18:54 PM)
25	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (01/18/2013 06:19:05 PM)
26	18	1.0	1428.0	Yes	5525.0MHz, -64.0dBm	Single burst (01/18/2013 06:19:21 PM)
27	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (01/18/2013 06:19:31 PM)
28	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (01/18/2013 06:19:40 PM)
29	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (01/18/2013 06:19:51 PM)
30	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (01/18/2013 06:20:05 PM)

Table 8 - 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, -63.0dBm	Single burst (01/31/2013 01:28:19 PM)
2	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 01:29:33 PM)
3	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 01:29:49 PM)
4	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 01:30:31 PM)
5	18	1.0	1428.0	Yes	5525.0MHz, -63.0dBm	Single burst (01/31/2013 01:30:59 PM)
6	18	1.0	1428.0	Yes	5520.0MHz, -63.0dBm	Single burst (01/31/2013 01:31:23 PM)
7	18	1.0	1428.0	Yes	5515.0MHz, -63.0dBm	Single burst (01/31/2013 01:31:45 PM)
8	18	1.0	1428.0	Yes	5510.0MHz, -63.0dBm	Single burst (01/31/2013 01:31:57 PM)
9	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 01:32:15 PM)
10	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 01:32:31 PM)
11	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 01:32:43 PM)
12	18	1.0	1428.0	Yes	5525.0MHz, -63.0dBm	Single burst (01/31/2013 01:33:19 PM)
13	18	1.0	1428.0	Yes	5520.0MHz, -63.0dBm	Single burst (01/31/2013 01:33:42 PM)
14	18	1.0	1428.0	Yes	5515.0MHz, -63.0dBm	Single burst (01/31/2013 01:33:56 PM)
15	18	1.0	1428.0	Yes	5510.0MHz, -63.0dBm	Single burst (01/31/2013 01:34:08 PM)
16	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 01:34:23 PM)
17	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 01:34:41 PM)
18	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 01:34:52 PM)
19	18	1.0	1428.0	Yes	5525.0MHz, -63.0dBm	Single burst (01/31/2013 01:35:10 PM)
20	18	1.0	1428.0	Yes	5520.0MHz, -63.0dBm	Single burst (01/31/2013 01:35:33 PM)
21	18	1.0	1428.0	Yes	5515.0MHz, -63.0dBm	Single burst (01/31/2013 01:35:44 PM)
22	18	1.0	1428.0	Yes	5510.0MHz, -63.0dBm	Single burst (01/31/2013 01:35:56 PM)
23	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 01:36:08 PM)
24	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 01:36:20 PM)
25	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 01:36:32 PM)
26	18	1.0	1428.0	Yes	5525.0MHz, -63.0dBm	Single burst (01/31/2013 01:36:42 PM)
27	18	1.0	1428.0	Yes	5520.0MHz,	Single burst (01/31/2013 01:36:57 PM)

Table 8 - FCC Short Pulse Radar (Type 1) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-63.0dBm	PM)
28	18	1.0	1428.0	Yes	5515.0MHz, -63.0dBm	Single burst (01/31/2013 01:37:07 PM)
29	18	1.0	1428.0	Yes	5510.0MHz, -63.0dBm	Single burst (01/31/2013 01:37:21 PM)
30	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 01:37:31 PM)

Table 9 - Long Sequence Waveform Summary HT40

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5510.0MHz, -63.0dBm
Trial #2	Detected	5505.0MHz, -63.0dBm
Trial #3	Detected	5500.0MHz, -63.0dBm
Trial #4	Detected	5495.0MHz, -63.0dBm
Trial #5	Detected	5525.0MHz, -63.0dBm
Trial #6	Detected	5520.0MHz, -63.0dBm
Trial #7	Detected	5515.0MHz, -63.0dBm
Trial #8	Detected	5510.0MHz, -63.0dBm
Trial #9	Detected	5505.0MHz, -63.0dBm
Trial #10	Detected	5500.0MHz, -63.0dBm
Trial #11	Detected	5495.0MHz, -63.0dBm
Trial #12	Detected	5525.0MHz, -63.0dBm
Trial #13	NOT Detected	5520.0MHz, -63.0dBm
Trial #14	Detected	5515.0MHz, -63.0dBm
Trial #15	Detected	5510.0MHz, -63.0dBm
Trial #16	Detected	5505.0MHz, -63.0dBm
Trial #17	Detected	5500.0MHz, -63.0dBm
Trial #18	Detected	5495.0MHz, -63.0dBm
Trial #19	NOT Detected	5525.0MHz, -63.0dBm
Trial #20	Detected	5520.0MHz, -63.0dBm

Table 9 - Long Sequence Waveform Summary HT40

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #21	Detected	5515.0MHz, -63.0dBm
Trial #22	Detected	5510.0MHz, -63.0dBm
Trial #23	Detected	5505.0MHz, -63.0dBm
Trial #24	Detected	5500.0MHz, -63.0dBm
Trial #25	Detected	5495.0MHz, -63.0dBm
Trial #26	NOT Detected	5525.0MHz, -63.0dBm
Trial #27	Detected	5520.0MHz, -63.0dBm
Trial #28	Detected	5515.0MHz, -63.0dBm
Trial #29	Detected	5510.0MHz, -63.0dBm
Trial #30	Detected	5505.0MHz, -63.0dBm

Table 10 - 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	50.1	12	1059.0	-	0.148323
2	3	55.8	10	1214.0	1994.0	0.933131
3	1	53.2	10	-	-	1.540946
4	3	96.0	11	1510.0	1233.0	2.427426
5	3	71.4	5	1872.0	1274.0	3.267999
6	2	78.0	15	1172.0	-	3.873245
7	2	80.4	7	1575.0	-	4.530448
8	2	91.5	8	1977.0	-	5.313281
9	1	81.4	16	-	-	6.228168
10	2	86.3	10	1717.0	-	7.445236
11	3	88.6	8	1695.0	1608.0	8.235419
12	3	98.5	10	1547.0	1885.0	8.456058
13	1	94.0	9	-	-	9.198706
14	3	56.4	18	1784.0	1284.0	10.263557
15	1	84.7	6	-	-	10.808044
16	3	77.5	8	1296.0	1407.0	11.656201

Table 11 - 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	56.8	20	1776.0	-	0.284381
2	1	56.4	16	-	-	1.237032
3	2	91.6	11	1360.0	-	1.866957
4	2	76.0	8	1678.0	-	2.450705
5	1	59.0	11	-	-	3.422816
6	2	62.7	8	1345.0	-	3.912483
7	2	98.7	18	1958.0	-	4.420354
8	2	92.7	19	1307.0	-	5.509881

Table 11 - 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)
9	2	76.0	9	1238.0	-	5.787771
10	1	69.1	14	-	-	6.447154
11	1	56.6	11	-	-	7.547470
12	1	96.9	11	-	-	7.820655
13	1	92.0	9	-	-	8.555383
14	2	78.4	10	1367.0	-	9.876045
15	3	70.5	16	1293.0	1479.0	10.575020
16	1	87.3	17	-	-	11.087604
17	3	73.0	9	1633.0	1827.0	11.944762

Table 12 - 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	53.7	9	1015.0	1092.0	1.389246
2	3	82.0	8	1385.0	1634.0	2.646141
3	2	62.9	17	1930.0	-	3.658530
4	3	84.7	13	1818.0	1258.0	4.756668
5	2	85.6	15	1196.0	-	6.024167
6	1	78.5	14	-	-	7.503245
7	3	75.3	18	1514.0	1060.0	10.213642
8	3	83.7	13	1774.0	1969.0	11.894501

Table 13 - 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	1	91.7	18	-	-	0.659867
2	2	74.2	7	1225.0	-	0.894863
3	2	51.3	14	1442.0	-	1.710270
4	1	73.9	6	-	-	2.429054
5	3	62.2	13	1585.0	1785.0	3.307699
6	3	96.7	10	1918.0	1253.0	3.830365
7	2	51.4	17	1435.0	-	5.191355
8	2	76.9	17	1764.0	-	5.702447
9	3	81.6	19	1970.0	1636.0	6.680374
10	1	65.8	16	-	-	6.837239
11	1	98.1	20	-	-	7.695253
12	3	97.9	5	1595.0	1137.0	8.812944
13	2	61.1	17	1462.0	-	9.234856
14	2	90.4	10	1675.0	-	10.216110
15	2	91.1	7	1168.0	-	10.710987
16	2	65.7	9	1999.0	-	11.731936

Table 14 - 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	61.6	6	1610.0	-	0.848392
2	3	99.6	10	1143.0	1138.0	2.181220
3	1	64.2	10	-	-	3.140909
4	3	81.0	11	1018.0	1194.0	4.490149

Table 14 - 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)
5	2	90.6	16	1774.0	-	5.687881
6	2	88.7	15	1245.0	-	6.615126
7	1	62.5	13	-	-	8.022353
8	1	99.4	7	-	-	8.677317
9	1	95.3	8	-	-	10.246000
10	2	73.2	9	1098.0	-	11.684910

Table 15 - 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	2	52.6	14	1486.0	-	0.190095
2	2	87.6	14	1607.0	-	1.335814
3	2	53.0	5	1052.0	-	1.823416
4	2	85.6	17	1858.0	-	2.326929
5	2	95.1	10	1235.0	-	3.608490
6	1	94.0	10	-	-	4.486654
7	2	96.5	16	1023.0	-	4.561897
8	2	50.1	9	1884.0	-	5.813702
9	2	63.3	9	1333.0	-	6.731062
10	2	80.9	7	1918.0	-	6.935402
11	2	78.7	20	1186.0	-	8.123657
12	2	74.4	16	1015.0	-	8.840249
13	1	85.9	13	-	-	9.275394
14	2	84.5	11	1344.0	-	10.111400
15	2	60.4	18	1837.0	-	10.654579
16	2	65.0	19	1514.0	-	11.655111

Table 16 - 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	1	71.3	13	-	-	0.310381
2	2	81.3	19	1204.0	-	1.452488
3	3	53.1	8	1562.0	1245.0	2.502913
4	2	71.5	9	1822.0	-	3.023273
5	1	79.1	12	-	-	3.743625
6	3	90.6	7	1771.0	1337.0	5.386048
7	2	74.6	5	1572.0	-	5.548899
8	1	67.3	5	-	-	7.208138
9	3	79.0	13	1681.0	1747.0	8.081324
10	2	67.8	6	1653.0	-	8.980148
11	3	65.2	9	1274.0	1438.0	9.578368
12	1	71.3	5	-	-	10.296471
13	2	65.0	9	1148.0	-	11.618753

Table 17 - 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	3	87.5	15	1078.0	1263.0	0.188650
2	2	77.9	12	1434.0	-	1.041806

Table 17 - 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)
3	1	56.0	5	-	-	2.319366
4	2	72.9	12	1629.0	-	3.109493
5	2	55.4	7	1212.0	-	4.326823
6	1	80.4	17	-	-	5.631096
7	3	90.7	13	1646.0	1418.0	6.208328
8	2	81.5	11	1361.0	-	7.548453
9	3	62.2	16	1867.0	1859.0	8.559714
10	2	99.3	11	1265.0	-	9.078590
11	1	98.2	16	-	-	10.114932
12	3	80.6	9	1999.0	1125.0	11.450035

Table 18 - 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	1	68.1	6	-	-	0.864762
2	1	71.5	17	-	-	2.212860
3	2	97.5	7	1422.0	-	2.653213
4	2	76.7	11	1092.0	-	4.156013
5	3	89.1	13	1088.0	1739.0	5.504661
6	2	87.7	10	1847.0	-	6.338808
7	3	72.4	8	1891.0	1472.0	7.281017
8	3	88.9	15	1571.0	1330.0	8.517393
9	2	70.3	11	1095.0	-	9.948888
10	3	86.9	17	1146.0	1063.0	10.917589

Table 19 - 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	56.3	20	1412.0	-	0.997099
2	3	56.7	11	1049.0	1914.0	1.509404
3	1	62.4	9	-	-	2.632468
4	3	72.0	17	1079.0	1655.0	3.208399
5	1	66.5	17	-	-	4.591415
6	2	78.3	16	1365.0	-	5.253338
7	2	57.2	6	1018.0	-	6.669434
8	3	60.0	17	1874.0	1797.0	7.355408
9	3	83.5	8	1164.0	1166.0	8.386169
10	2	88.7	11	1949.0	-	9.242552
11	2	69.3	15	1981.0	-	10.212583
12	2	97.2	18	1123.0	-	11.658870

Table 20 - 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	85.9	20	1035.0	-	0.516012
2	3	91.3	19	1390.0	1896.0	1.171714
3	2	71.2	15	1768.0	-	1.323406
4	1	96.6	19	-	-	2.203784
5	1	62.1	17	-	-	2.687464

Table 20 - 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)
6	3	88.0	14	1285.0	1098.0	3.663238
7	2	95.5	15	1774.0	-	3.857992
8	2	59.4	10	1335.0	-	4.546353
9	1	79.9	8	-	-	5.376565
10	3	68.5	19	2000.0	1960.0	5.837794
11	3	89.0	14	1461.0	1951.0	6.721226
12	1	56.6	9	-	-	7.041184
13	2	99.5	20	1068.0	-	8.034291
14	3	81.5	15	1475.0	1145.0	8.538412
15	3	62.3	9	1737.0	1551.0	9.355206
16	2	76.4	10	1692.0	-	9.894447
17	2	93.4	6	1919.0	-	10.387423
18	2	76.1	14	1947.0	-	11.139048
19	3	100.0	13	1783.0	1485.0	11.730029

Table 21 - 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	3	62.9	19	1985.0	1921.0	1.288783
2	2	98.2	17	1932.0	-	2.649722
3	3	87.6	14	1941.0	1525.0	3.862254
4	1	85.2	17	-	-	4.970086
5	2	89.2	12	1376.0	-	6.301582
6	3	72.5	6	1993.0	1297.0	8.579427
7	2	92.8	14	1260.0	-	9.164914
8	2	68.4	12	1494.0	-	11.927387

Table 22 - HT40 Long Sequence Waveform Trial#13 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	64.5	6	-	-	0.744030
2	3	91.8	20	1753.0	1724.0	1.335156
3	2	87.8	10	1156.0	-	2.505658
4	2	69.5	12	1733.0	-	3.696220
5	3	90.1	11	1963.0	1936.0	4.190575
6	3	66.4	10	1054.0	1125.0	5.277819
7	1	79.7	11	-	-	6.341831
8	3	50.5	9	1213.0	1229.0	7.551461
9	1	96.6	5	-	-	8.520846
10	1	66.8	6	-	-	9.328597
11	2	97.0	19	1289.0	-	10.079151
12	2	53.4	5	1676.0	-	11.973757

Table 23 - 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	3	66.9	18	1187.0	1761.0	0.430086
2	2	74.6	6	1370.0	-	1.534154
3	3	53.4	14	1186.0	1128.0	1.833286

Table 23 - 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)
4	2	74.4	18	1535.0	-	3.147127
5	1	87.1	11	-	-	3.917886
6	1	76.0	18	-	-	4.773280
7	2	65.3	15	1303.0	-	5.142983
8	2	87.2	10	1585.0	-	6.769061
9	1	71.1	13	-	-	7.403157
10	2	72.5	7	1452.0	-	8.271867
11	2	80.1	19	1296.0	-	8.955582
12	2	85.4	17	1949.0	-	9.618364
13	2	51.3	5	1741.0	-	11.100576
14	2	52.7	10	1539.0	-	11.860261

Table 24 - 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	69.7	13	1909.0	-	0.858441
2	1	78.7	13	-	-	1.843532
3	2	51.0	15	1481.0	-	2.067127
4	2	80.9	19	1119.0	-	3.923837
5	3	70.3	9	1219.0	1958.0	4.757931
6	1	90.4	16	-	-	5.220076
7	2	75.7	16	1977.0	-	6.210647
8	2	78.2	16	1917.0	-	7.684462
9	2	90.8	6	1807.0	-	8.310405
10	2	72.1	14	1947.0	-	9.831118
11	2	56.7	8	1153.0	-	10.678395
12	1	92.5	17	-	-	11.554885

Table 25 - 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	70.8	17	1004.0	-	0.474884
2	2	56.8	17	1505.0	-	0.909282
3	1	81.1	11	-	-	2.146936
4	1	58.0	14	-	-	2.625508
5	2	83.9	5	1326.0	-	3.518283
6	1	90.9	19	-	-	3.944620
7	1	84.6	12	-	-	5.224300
8	2	78.7	8	1474.0	-	5.252105
9	3	61.0	7	1543.0	1193.0	6.172079
10	2	67.8	13	1897.0	-	6.774183
11	2	81.8	7	1325.0	-	7.639750
12	2	97.8	13	1097.0	-	8.728191
13	2	61.6	8	1688.0	-	9.004719
14	1	80.9	11	-	-	10.012167
15	3	60.7	7	1869.0	1009.0	10.717952
16	2	64.3	17	1926.0	-	11.714521

Table 26 - 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	3	51.9	14	1617.0	1503.0	0.629379
2	2	99.1	14	1416.0	-	1.752844
3	1	78.8	12	-	-	3.458125
4	3	70.0	8	1058.0	1531.0	4.133577
5	3	80.1	7	1236.0	1860.0	5.846822
6	2	67.9	19	1180.0	-	7.098860
7	1	67.9	5	-	-	7.802105
8	3	51.3	5	1565.0	1863.0	8.902737
9	2	88.5	8	1927.0	-	9.670386
10	1	73.7	18	-	-	10.979304

Table 27 - 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	2	52.3	17	1917.0	-	0.084788
2	1	82.5	15	-	-	1.011911
3	3	86.9	12	1725.0	1375.0	1.643857
4	2	52.2	11	1799.0	-	2.637493
5	2	97.6	18	1622.0	-	3.043627
6	2	81.7	7	1464.0	-	3.466275
7	1	77.1	8	-	-	4.552064
8	3	80.3	11	1946.0	1362.0	4.986671
9	2	74.8	16	1736.0	-	5.430161
10	3	76.3	11	1509.0	1466.0	6.393296
11	3	86.6	12	1399.0	1394.0	7.104461
12	2	67.0	20	1642.0	-	7.532438
13	2	98.4	13	1445.0	-	8.384425
14	3	75.0	11	1411.0	1209.0	9.008848
15	2	70.7	17	1106.0	-	9.801905
16	1	66.8	20	-	-	10.434788
17	1	50.4	10	-	-	11.098917
18	2	98.5	12	1579.0	-	11.724347

Table 28 - HT40 Long Sequence Waveform Trial#19 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	54.6	6	1981.0	-	0.427090
2	3	93.2	10	1358.0	1257.0	1.040220
3	2	55.2	8	1653.0	-	1.617135
4	1	89.0	9	-	-	1.956386
5	2	54.7	5	1784.0	-	2.565408
6	3	79.2	9	1779.0	1140.0	3.513620
7	3	74.1	6	1709.0	1754.0	4.107348
8	3	53.9	13	1018.0	1114.0	4.909649
9	2	70.7	9	1568.0	-	5.262388
10	2	57.5	13	1429.0	-	5.729847
11	3	85.9	9	1857.0	1007.0	6.400252
12	1	62.9	16	-	-	7.482721
13	3	78.3	8	1361.0	1038.0	7.705294
14	3	98.3	19	1009.0	1394.0	8.454369
15	2	52.8	6	1040.0	-	9.196827
16	2	74.4	11	1911.0	-	9.909813

Table 28 - HT40 Long Sequence Waveform Trial#19 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
17	1	60.3	11	-	-	10.450672
18	1	94.8	13	-	-	10.929416
19	3	51.0	13	1894.0	1583.0	11.568981

Table 29 - 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	2	61.9	14	1343.0	-	0.753937
2	2	53.8	12	1601.0	-	1.846396
3	2	64.7	5	1730.0	-	2.856846
4	2	71.3	15	1270.0	-	4.148706
5	2	55.9	18	1760.0	-	5.149126
6	1	77.8	7	-	-	6.444765
7	2	95.8	14	1540.0	-	6.881406
8	2	91.7	7	1635.0	-	7.833813
9	3	98.4	6	1553.0	1107.0	9.429748
10	2	58.5	6	1157.0	-	9.849489
11	3	60.0	19	1389.0	1193.0	11.608972

Table 30 - 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	1	83.5	13	-	-	0.638572
2	3	85.3	15	1131.0	1065.0	1.465428
3	2	65.3	11	1460.0	-	1.650273
4	3	67.8	13	1964.0	1174.0	2.483507
5	3	78.3	14	1286.0	1244.0	3.237861
6	3	95.0	15	1591.0	1453.0	3.861331
7	2	92.0	6	1430.0	-	4.801635
8	2	83.7	6	1243.0	-	5.474197
9	2	61.7	18	1605.0	-	6.689007
10	2	54.9	12	1017.0	-	7.260077
11	3	95.2	5	1575.0	1262.0	7.716414
12	2	98.9	12	1147.0	-	8.957482
13	2	89.5	7	1808.0	-	9.529019
14	3	88.9	17	1199.0	1206.0	9.756721
15	3	50.6	19	1555.0	1662.0	10.967674
16	2	52.4	18	1424.0	-	11.580328

Table 31 - 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	58.4	11	1412.0	-	0.551655
2	2	66.6	13	1781.0	-	1.370249
3	1	99.5	17	-	-	1.653938
4	1	73.1	12	-	-	2.374035
5	2	90.0	7	1432.0	-	2.874563
6	1	76.5	7	-	-	3.833733
7	1	86.2	20	-	-	4.914041

Table 31 - 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)
8	1	62.1	19	-	-	5.089474
9	3	63.6	13	1344.0	1519.0	6.120359
10	2	99.9	8	1567.0	-	6.746655
11	1	90.6	18	-	-	7.565658
12	3	80.9	14	1202.0	1830.0	7.849609
13	2	95.9	17	1720.0	-	9.067743
14	2	64.6	7	1187.0	-	9.474841
15	1	70.8	18	-	-	10.554322
16	3	68.2	9	1753.0	1032.0	10.738258
17	3	87.3	9	1153.0	1652.0	11.374953

Table 32 - 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	2	94.1	10	1117.0	-	0.424501
2	3	70.8	17	1822.0	1280.0	1.133029
3	2	91.8	12	1925.0	-	1.525101
4	3	74.7	16	1248.0	1110.0	2.313008
5	2	63.1	10	1254.0	-	2.881819
6	3	54.8	13	1993.0	1870.0	3.459959
7	2	54.4	9	1315.0	-	3.825946
8	2	72.8	17	1557.0	-	4.401326
9	2	66.5	17	1038.0	-	4.956148
10	3	78.4	13	1194.0	1188.0	5.813997
11	2	64.3	7	1356.0	-	6.033919
12	1	71.6	14	-	-	7.187990
13	3	79.6	9	1857.0	1643.0	7.627419
14	3	87.4	18	1809.0	1250.0	7.943252
15	1	68.1	19	-	-	8.818301
16	2	54.8	8	1049.0	-	9.230441
17	1	65.4	11	-	-	9.844308
18	2	64.5	7	1345.0	-	10.309731
19	1	57.8	8	-	-	10.806010
20	2	69.5	12	1035.0	-	11.752084

Table 33 - 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	61.0	11	1643.0	-	0.857925
2	2	66.6	5	1492.0	-	1.236089
3	1	88.8	7	-	-	3.305220
4	3	99.6	16	1363.0	1785.0	4.747307
5	1	62.7	13	-	-	5.226791
6	2	88.1	15	1320.0	-	6.243366
7	2	60.9	8	1967.0	-	7.759975
8	2	77.5	18	1181.0	-	8.901758
9	2	77.3	8	1312.0	-	10.213721
10	3	64.3	5	1672.0	1408.0	11.606395

Table 34 - 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	81.8	16	1463.0	-	0.145157
2	2	53.9	10	1996.0	-	0.955443
3	1	71.1	14	-	-	1.793662
4	2	81.0	10	1751.0	-	2.854850
5	2	85.8	19	1041.0	-	3.670895
6	2	54.0	14	1190.0	-	4.064162
7	1	62.3	13	-	-	5.026366
8	2	71.6	6	1864.0	-	5.838828
9	2	74.4	7	1156.0	-	6.458486
10	2	78.1	6	1725.0	-	7.478391
11	1	73.4	15	-	-	8.341699
12	3	84.2	10	1527.0	1815.0	9.449108
13	2	77.2	15	1966.0	-	9.667937
14	2	82.3	11	1850.0	-	10.574680
15	3	87.4	12	1211.0	1716.0	11.855501

Table 35 - HT40 Long Sequence Waveform Trial#26 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	69.9	5	1626.0	-	0.475757
2	1	82.7	8	-	-	1.591568
3	2	56.3	5	1972.0	-	1.900958
4	2	73.8	6	1351.0	-	2.415014
5	1	51.4	17	-	-	3.272837
6	3	74.7	8	1135.0	1567.0	4.609928
7	1	60.1	20	-	-	5.583977
8	2	79.4	15	1288.0	-	5.856473
9	3	72.7	17	1951.0	1942.0	6.661935
10	3	98.7	11	1939.0	1074.0	7.533885
11	3	68.2	10	1677.0	1350.0	8.684315
12	3	50.3	15	1083.0	1482.0	9.080306
13	2	80.9	19	1357.0	-	9.878026
14	3	98.7	13	1201.0	1151.0	10.990175
15	1	60.2	7	-	-	11.281463

Table 36 - 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	3	69.2	12	1149.0	1430.0	0.790863
2	2	54.4	17	1838.0	-	0.817988
3	3	85.2	7	1672.0	1383.0	1.948868
4	2	89.2	17	1179.0	-	2.767578
5	3	94.1	19	1312.0	1368.0	3.702303
6	2	70.9	20	1418.0	-	4.652478
7	2	57.8	7	1644.0	-	5.392033
8	2	96.9	18	1688.0	-	6.029272
9	1	61.4	7	-	-	7.033702
10	3	79.5	11	1307.0	1164.0	7.330325
11	2	77.2	10	1855.0	-	8.609266
12	2	63.3	12	1302.0	-	9.311753

Table 36 - 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)
13	2	50.5	12	1816.0	-	10.272460
14	2	63.7	15	1722.0	-	10.975950
15	3	72.8	16	1717.0	1042.0	11.921502

Table 37 - 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	3	88.4	7	1182.0	1374.0	0.797374
2	3	93.9	15	1561.0	1662.0	1.415740
3	2	77.6	9	1246.0	-	2.525455
4	1	56.6	18	-	-	3.181491
5	3	58.3	6	1121.0	1790.0	3.720720
6	2	53.3	7	1564.0	-	4.484008
7	2	82.4	18	1845.0	-	5.831616
8	1	74.9	9	-	-	6.763980
9	1	79.3	12	-	-	7.458649
10	2	82.5	11	1237.0	-	8.412503
11	2	90.0	10	1317.0	-	8.901198
12	2	77.1	10	1128.0	-	10.257536
13	2	77.1	12	1519.0	-	10.702893
14	3	81.5	15	1154.0	1479.0	11.204285

Table 38 - 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	3	79.6	6	1302.0	1045.0	1.068700
2	3	95.2	5	1114.0	1294.0	2.141899
3	2	73.3	7	1048.0	-	3.142142
4	2	69.8	19	1840.0	-	3.910127
5	2	51.5	8	1683.0	-	4.620810
6	2	71.9	5	1167.0	-	5.721578
7	1	98.3	5	-	-	7.086386
8	2	97.4	6	1605.0	-	7.992734
9	1	98.8	16	-	-	8.910034
10	2	98.4	17	1132.0	-	10.821761
11	1	61.3	5	-	-	11.128747

Table 39 - 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	1	83.5	7	-	-	0.156214
2	3	78.0	6	1351.0	1632.0	0.732880
3	2	51.5	10	1148.0	-	2.093650
4	2	86.4	14	1056.0	-	2.254471
5	2	62.8	14	1382.0	-	3.299084
6	3	91.1	7	1952.0	1948.0	3.764053
7	3	79.9	9	1018.0	1307.0	4.341865
8	2	93.2	10	1092.0	-	5.217999
9	2	79.4	13	1587.0	-	6.122547

Table 39 - 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)
10	3	53.6	20	1932.0	1073.0	6.753033
11	1	81.0	11	-	-	7.732548
12	1	86.4	14	-	-	8.351222
13	2	87.9	9	1254.0	-	9.067012
14	2	70.4	19	1570.0	-	9.696693
15	3	86.3	6	1312.0	1340.0	10.364430
16	2	51.6	13	1577.0	-	10.842919
17	3	93.4	6	1530.0	1377.0	11.704957

Table 40 - Summary of All Results - HT40

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	39	PASSED

Table 41 - 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	5528.0MHz, -63.0dBm	Hop sequence: 5278, 5669, 5342, 5359, 5608, 5316, 5501, 5371, 5560, 5397, 5532, 5367, 5395, 5720, 5710, 5390, 5343, 5470, 5602, 5611, 5258, 5688, 5531, 5327, 5626, 5256, 5706, 5444, 5289, 5605, 5539, 5616, 5375, 5344, 5332, 5544, 5401, 5644, 5655, 5325, 5360, 5322, 5580, 5466, 5473, 5718, 5310, 5282, 5392, 5381, 5571, 5593, 5356, 5540, 5645, 5277, 5578, 5530, 5348, 5640, 5668, 5505, 5690, 5313, 5652, 5702, 5454, 5643, 5721, 5591, 5695, 5564, 5573, 5495, 5533, 5565, 5283, 5377, 5446, 5308, 5604, 5474, 5592, 5287, 5552, 5610, 5450, 5525, 5543, 5548, 5541, 5461, 5656, 5423, 5265, 5717, 5323, 5413, 5572, 5550 (4 hits) (01/31/2013 03:11:17 PM)
2	9	1.0	333.0	Yes	5529.0MHz, -63.0dBm	Hop sequence: 5389, 5523, 5271, 5690, 5482, 5720, 5473, 5724, 5391, 5542, 5550, 5311, 5600, 5451, 5269, 5679, 5716, 5404, 5381, 5609, 5417, 5326, 5566, 5527, 5306, 5299, 5488, 5534, 5621, 5396, 5584, 5599, 5708, 5430, 5356, 5402, 5285, 5548, 5431, 5505, 5441, 5688, 5343, 5541, 5469, 5308, 5604, 5707, 5517, 5706, 5419, 5282, 5319, 5275, 5312, 5480, 5668, 5460, 5445, 5547, 5569, 5635, 5551, 5264, 5467, 5574, 5570, 5597, 5656, 5337, 5693, 5645, 5392, 5715, 5455, 5365, 5405, 5307, 5500, 5652, 5665, 5614, 5401, 5410, 5462, 5476, 5374, 5629, 5606, 5512, 5382, 5428, 5618, 5504, 5408, 5657, 5348, 5452, 5251, 5341 (7 hits) (01/31/2013 03:11:34 PM)

Table 41 - 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	5491.0MHz, -63.0dBm	Hop sequence: 5622, 5615, 5434, 5366, 5403, 5485, 5620, 5635, 5632, 5413, 5491, 5370, 5481, 5387, 5345, 5584, 5475, 5672, 5479, 5461, 5390, 5300, 5480, 5716, 5483, 5323, 5706, 5563, 5656, 5519, 5341, 5440, 5368, 5701, 5364, 5581, 5362, 5468, 5586, 5278, 5298, 5621, 5681, 5262, 5294, 5712, 5393, 5606, 5386, 5521, 5281, 5427, 5253, 5301, 5356, 5725, 5304, 5550, 5609, 5667, 5607, 5502, 5324, 5454, 5638, 5552, 5673, 5330, 5408, 5610, 5495, 5429, 5611, 5282, 5358, 5574, 5564, 5383, 5339, 5411, 5608, 5565, 5346, 5402, 5335, 5697, 5613, 5520, 5309, 5303, 5291, 5704, 5283, 5414, 5627, 5636, 5590, 5487, 5666, 5261 (6 hits) (01/31/2013 03:11:51 PM)
4	9	1.0	333.0	Yes	5492.0MHz, -63.0dBm	Hop sequence: 5340, 5550, 5583, 5412, 5371, 5451, 5535, 5254, 5420, 5321, 5548, 5269, 5409, 5404, 5444, 5615, 5301, 5620, 5387, 5520, 5305, 5295, 5658, 5534, 5350, 5441, 5605, 5270, 5513, 5372, 5636, 5313, 5691, 5332, 5524, 5517, 5356, 5458, 5490, 5521, 5373, 5478, 5385, 5677, 5685, 5369, 5459, 5637, 5555, 5519, 5696, 5502, 5255, 5538, 5662, 5299, 5252, 5359, 5382, 5258, 5424, 5704, 5496, 5690, 5565, 5514, 5488, 5357, 5262, 5578, 5509, 5540, 5717, 5587, 5388, 5688, 5682, 5714, 5365, 5569, 5419, 5655, 5554, 5297, 5563, 5510, 5346, 5440, 5283, 5591, 5303, 5431, 5284, 5266, 5619, 5460, 5715, 5423, 5328, 5337 (11 hits) (01/31/2013 03:12:06 PM)
5	9	1.0	333.0	Yes	5493.0MHz, -63.0dBm	Hop sequence: 5628, 5726, 5429, 5304, 5667, 5350, 5710, 5306, 5361, 5723, 5315, 5538, 5289, 5275, 5369, 5423, 5451, 5268, 5513, 5310, 5431, 5607, 5688, 5382, 5564, 5555, 5317, 5323, 5511, 5583, 5645, 5284, 5552, 5342, 5331, 5549, 5720, 5279, 5547, 5561, 5652, 5293, 5573, 5322, 5281, 5359, 5661, 5681, 5553, 5684, 5459, 5587, 5615,

Table 41 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5371, 5278, 5480, 5505, 5314, 5614, 5264, 5671, 5385, 5521, 5336, 5472, 5593, 5330, 5520, 5592, 5703, 5384, 5270, 5294, 5700, 5328, 5668, 5621, 5324, 5642, 5506, 5653, 5318, 5687, 5300, 5325, 5656, 5582, 5257, 5296, 5490, 5253, 5637, 5690, 5255, 5497, 5338, 5518, 5273, 5644, 5283 (8 hits) (01/31/2013 03:12:19 PM)
6	9	1.0	333.0	Yes	5494.0MHz, -63.0dBm	Hop sequence: 5686, 5599, 5573, 5695, 5321, 5476, 5660, 5535, 5515, 5459, 5292, 5389, 5480, 5318, 5429, 5350, 5473, 5586, 5450, 5279, 5725, 5277, 5310, 5395, 5696, 5504, 5467, 5368, 5579, 5679, 5530, 5458, 5650, 5596, 5489, 5398, 5362, 5582, 5347, 5668, 5372, 5632, 5512, 5289, 5348, 5617, 5397, 5306, 5551, 5399, 5394, 5418, 5285, 5317, 5369, 5531, 5600, 5497, 5351, 5623, 5387, 5331, 5718, 5678, 5358, 5565, 5612, 5286, 5475, 5726, 5320, 5404, 5377, 5572, 5374, 5425, 5341, 5325, 5626, 5365, 5524, 5441, 5527, 5454, 5323, 5499, 5436, 5721, 5392, 5340, 5254, 5280, 5502, 5692, 5494, 5435, 5593, 5640, 5293, 5253 (9 hits) (01/31/2013 03:12:34 PM)
7	9	1.0	333.0	Yes	5495.0MHz, -63.0dBm	Hop sequence: 5519, 5696, 5447, 5668, 5398, 5350, 5725, 5415, 5603, 5309, 5568, 5446, 5607, 5718, 5535, 5298, 5360, 5462, 5392, 5586, 5330, 5555, 5410, 5704, 5277, 5310, 5397, 5496, 5610, 5383, 5660, 5664, 5573, 5673, 5295, 5520, 5284, 5685, 5279, 5269, 5347, 5364, 5495, 5481, 5503, 5351, 5275, 5688, 5458, 5425, 5264, 5675, 5592, 5373, 5497, 5560, 5472, 5601, 5655, 5636, 5706, 5433, 5469, 5312, 5257, 5665, 5550, 5357, 5471, 5393, 5460, 5604, 5634, 5349, 5399, 5276, 5694, 5437, 5588, 5487, 5424, 5715, 5354, 5605, 5323, 5667, 5572, 5290, 5417, 5293, 5579, 5692, 5524, 5413, 5299, 5315, 5252, 5362, 5703, 5583 (7 hits) (01/31/2013 03:13:03 PM)

Table 41 - 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	5496.0MHz, -63.0dBm	Hop sequence: 5292, 5524, 5595, 5459, 5604, 5293, 5636, 5363, 5309, 5301, 5305, 5296, 5271, 5352, 5396, 5562, 5683, 5384, 5699, 5353, 5571, 5265, 5434, 5441, 5317, 5613, 5541, 5703, 5448, 5422, 5307, 5535, 5644, 5575, 5620, 5711, 5634, 5521, 5330, 5547, 5608, 5680, 5605, 5424, 5446, 5592, 5339, 5660, 5583, 5457, 5436, 5568, 5531, 5584, 5471, 5252, 5253, 5713, 5419, 5597, 5349, 5376, 5493, 5614, 5428, 5362, 5394, 5720, 5464, 5463, 5704, 5612, 5519, 5391, 5306, 5658, 5671, 5623, 5504, 5469, 5509, 5710, 5295, 5370, 5277, 5669, 5650, 5523, 5319, 5411, 5430, 5549, 5545, 5536, 5465, 5647, 5312, 5450, 5514, 5400 (8 hits) (01/31/2013 03:13:41 PM)
9	9	1.0	333.0	Yes	5497.0MHz, -63.0dBm	Hop sequence: 5313, 5602, 5379, 5296, 5468, 5417, 5617, 5455, 5563, 5501, 5444, 5314, 5302, 5320, 5433, 5466, 5524, 5640, 5441, 5253, 5403, 5707, 5567, 5336, 5295, 5512, 5509, 5527, 5478, 5499, 5481, 5671, 5568, 5696, 5725, 5333, 5387, 5414, 5316, 5661, 5666, 5452, 5560, 5620, 5266, 5436, 5517, 5722, 5401, 5449, 5488, 5437, 5259, 5281, 5277, 5371, 5554, 5431, 5690, 5611, 5703, 5396, 5716, 5589, 5453, 5508, 5331, 5584, 5598, 5260, 5700, 5286, 5275, 5353, 5610, 5586, 5427, 5327, 5680, 5593, 5623, 5652, 5255, 5579, 5329, 5504, 5293, 5717, 5280, 5359, 5614, 5551, 5344, 5270, 5612, 5418, 5613, 5276, 5587, 5424 (9 hits) (01/31/2013 03:14:11 PM)
10	9	1.0	333.0	Yes	5498.0MHz, -63.0dBm	Hop sequence: 5280, 5724, 5295, 5690, 5368, 5551, 5677, 5608, 5490, 5330, 5282, 5544, 5321, 5323, 5710, 5686, 5570, 5627, 5513, 5413, 5466, 5496, 5530, 5707, 5314, 5463, 5313, 5479, 5263, 5520, 5366, 5357, 5634, 5258, 5272, 5623, 5389, 5381, 5617, 5326, 5606, 5378, 5276, 5568, 5454, 5347, 5455, 5546, 5506, 5427, 5360, 5493, 5628,

Table 41 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5492, 5563, 5255, 5259, 5548, 5499, 5709, 5418, 5536, 5370, 5525, 5459, 5626, 5535, 5571, 5611, 5671, 5539, 5433, 5659, 5429, 5444, 5472, 5719, 5412, 5699, 5615, 5464, 5477, 5387, 5288, 5607, 5540, 5644, 5319, 5491, 5545, 5602, 5341, 5436, 5693, 5377, 5578, 5603, 5619, 5674, 5488 (9 hits) (01/31/2013 03:14:34 PM)
11	9	1.0	333.0	Yes	5499.0MHz, -63.0dBm	Hop sequence: 5462, 5435, 5521, 5474, 5500, 5632, 5300, 5527, 5575, 5616, 5402, 5560, 5372, 5489, 5547, 5592, 5528, 5352, 5330, 5321, 5341, 5269, 5635, 5270, 5327, 5702, 5522, 5540, 5504, 5423, 5703, 5484, 5602, 5355, 5615, 5478, 5260, 5618, 5333, 5369, 5331, 5520, 5589, 5712, 5326, 5285, 5556, 5647, 5305, 5337, 5657, 5690, 5721, 5580, 5329, 5298, 5691, 5697, 5470, 5566, 5433, 5652, 5381, 5394, 5279, 5608, 5498, 5453, 5396, 5322, 5384, 5495, 5488, 5640, 5561, 5476, 5696, 5559, 5440, 5544, 5265, 5286, 5701, 5725, 5718, 5301, 5681, 5665, 5426, 5539, 5481, 5332, 5314, 5682, 5684, 5299, 5386, 5514, 5257, 5406 (10 hits) (01/31/2013 03:14:48 PM)
12	9	1.0	333.0	Yes	5500.0MHz, -63.0dBm	Hop sequence: 5465, 5723, 5703, 5676, 5516, 5357, 5721, 5421, 5698, 5294, 5391, 5326, 5509, 5379, 5519, 5622, 5612, 5640, 5257, 5314, 5566, 5705, 5376, 5609, 5645, 5558, 5395, 5521, 5475, 5718, 5459, 5335, 5270, 5480, 5686, 5654, 5301, 5553, 5424, 5527, 5651, 5540, 5517, 5488, 5267, 5347, 5423, 5252, 5494, 5605, 5564, 5697, 5360, 5485, 5598, 5570, 5375, 5358, 5406, 5403, 5268, 5382, 5603, 5706, 5561, 5449, 5280, 5587, 5714, 5283, 5559, 5427, 5378, 5370, 5711, 5638, 5392, 5295, 5369, 5373, 5591, 5254, 5316, 5346, 5492, 5452, 5310, 5336, 5515, 5278, 5671, 5434, 5574, 5582, 5271, 5483, 5684, 5418, 5432, 5497 (10 hits) (01/31/2013 03:15:16 PM)

Table 41 - 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	5501.0MHz, -63.0dBm	Hop sequence: 5539, 5407, 5323, 5289, 5567, 5683, 5633, 5570, 5510, 5607, 5280, 5477, 5370, 5690, 5350, 5266, 5589, 5451, 5693, 5418, 5529, 5425, 5275, 5657, 5283, 5556, 5678, 5309, 5685, 5519, 5489, 5568, 5306, 5623, 5485, 5326, 5582, 5588, 5293, 5430, 5482, 5652, 5495, 5271, 5432, 5483, 5254, 5292, 5316, 5471, 5635, 5274, 5251, 5333, 5601, 5321, 5371, 5655, 5715, 5554, 5585, 5402, 5443, 5336, 5530, 5397, 5516, 5344, 5682, 5391, 5583, 5641, 5578, 5395, 5267, 5595, 5413, 5600, 5303, 5686, 5704, 5695, 5508, 5276, 5305, 5714, 5514, 5547, 5386, 5653, 5681, 5632, 5523, 5409, 5526, 5356, 5291, 5448, 5476, 5562 (9 hits) (01/31/2013 03:15:29 PM)
14	9	1.0	333.0	Yes	5502.0MHz, -63.0dBm	Hop sequence: 5349, 5676, 5360, 5409, 5619, 5400, 5426, 5639, 5331, 5350, 5337, 5654, 5347, 5252, 5279, 5397, 5407, 5321, 5327, 5415, 5491, 5390, 5604, 5299, 5679, 5438, 5649, 5671, 5548, 5276, 5705, 5378, 5460, 5470, 5706, 5370, 5386, 5372, 5295, 5355, 5584, 5339, 5506, 5490, 5484, 5575, 5462, 5384, 5301, 5602, 5644, 5530, 5586, 5286, 5608, 5583, 5324, 5269, 5466, 5273, 5431, 5447, 5710, 5358, 5318, 5711, 5478, 5308, 5487, 5701, 5430, 5456, 5459, 5450, 5655, 5653, 5680, 5637, 5278, 5404, 5340, 5392, 5258, 5365, 5285, 5614, 5546, 5433, 5556, 5527, 5599, 5474, 5496, 5319, 5596, 5631, 5364, 5494, 5561, 5543 (5 hits) (01/31/2013 03:15:54 PM)
15	9	1.0	333.0	Yes	5503.0MHz, -63.0dBm	Hop sequence: 5405, 5360, 5630, 5479, 5457, 5375, 5488, 5430, 5528, 5636, 5458, 5306, 5355, 5436, 5505, 5634, 5538, 5707, 5345, 5299, 5596, 5294, 5415, 5378, 5281, 5263, 5667, 5500, 5475, 5346, 5547, 5265, 5650, 5689, 5280, 5474, 5390, 5697, 5292, 5722, 5606, 5341, 5573, 5522, 5316, 5510, 5665, 5409, 5456, 5656, 5621, 5609, 5314,

Table 41 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5470, 5646, 5546, 5680, 5620, 5253, 5623, 5276, 5657, 5254, 5486, 5434, 5289, 5461, 5399, 5666, 5524, 5706, 5527, 5594, 5602, 5675, 5318, 5453, 5361, 5445, 5518, 5716, 5476, 5599, 5710, 5515, 5517, 5494, 5714, 5595, 5478, 5567, 5671, 5553, 5514, 5393, 5534, 5313, 5681, 5260, 5340 (12 hits) (01/31/2013 03:24:09 PM)
16	9	1.0	333.0	Yes	5504.0MHz, -63.0dBm	Hop sequence: 5252, 5439, 5338, 5500, 5294, 5668, 5467, 5304, 5518, 5476, 5653, 5609, 5311, 5591, 5285, 5512, 5687, 5649, 5293, 5658, 5350, 5633, 5621, 5582, 5643, 5589, 5631, 5685, 5583, 5340, 5603, 5677, 5341, 5602, 5559, 5716, 5354, 5655, 5339, 5419, 5680, 5477, 5425, 5251, 5696, 5706, 5490, 5623, 5401, 5365, 5362, 5454, 5291, 5273, 5468, 5430, 5542, 5389, 5528, 5720, 5324, 5660, 5300, 5530, 5719, 5673, 5679, 5525, 5676, 5358, 5565, 5503, 5529, 5391, 5599, 5424, 5329, 5637, 5448, 5535, 5335, 5371, 5567, 5693, 5632, 5538, 5684, 5674, 5359, 5569, 5472, 5413, 5480, 5301, 5704, 5595, 5347, 5634, 5451, 5351 (7 hits) (01/31/2013 03:24:38 PM)
17	9	1.0	333.0	Yes	5505.0MHz, -63.0dBm	Hop sequence: 5406, 5316, 5452, 5580, 5696, 5559, 5666, 5487, 5501, 5277, 5573, 5317, 5544, 5276, 5710, 5675, 5537, 5269, 5481, 5479, 5386, 5457, 5464, 5496, 5584, 5305, 5291, 5597, 5419, 5296, 5391, 5349, 5456, 5483, 5455, 5392, 5526, 5567, 5621, 5325, 5620, 5357, 5518, 5404, 5331, 5377, 5525, 5598, 5468, 5475, 5519, 5310, 5678, 5722, 5363, 5674, 5571, 5657, 5533, 5261, 5448, 5383, 5557, 5549, 5288, 5437, 5394, 5371, 5497, 5446, 5677, 5582, 5570, 5380, 5320, 5609, 5435, 5459, 5337, 5422, 5614, 5443, 5647, 5285, 5528, 5374, 5520, 5389, 5365, 5662, 5411, 5607, 5360, 5346, 5273, 5405, 5632, 5508, 5703, 5477 (10 hits) (01/31/2013 03:25:09 PM)

Table 41 - 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	5506.0MHz, -63.0dBm	Hop sequence: 5485, 5469, 5362, 5694, 5250, 5287, 5443, 5518, 5370, 5726, 5328, 5520, 5407, 5616, 5318, 5480, 5553, 5687, 5351, 5507, 5563, 5516, 5498, 5581, 5312, 5350, 5630, 5356, 5417, 5352, 5592, 5335, 5253, 5704, 5505, 5399, 5714, 5324, 5396, 5585, 5611, 5559, 5372, 5504, 5271, 5624, 5481, 5298, 5537, 5508, 5578, 5623, 5276, 5453, 5313, 5336, 5326, 5590, 5701, 5707, 5519, 5665, 5649, 5621, 5462, 5309, 5405, 5511, 5263, 5579, 5608, 5658, 5344, 5495, 5636, 5554, 5488, 5552, 5690, 5599, 5606, 5378, 5571, 5306, 5722, 5327, 5329, 5439, 5526, 5550, 5262, 5302, 5551, 5681, 5695, 5525, 5375, 5424, 5429, 5388 (13 hits) (01/31/2013 03:25:29 PM)
19	9	1.0	333.0	Yes	5507.0MHz, -63.0dBm	Hop sequence: 5464, 5697, 5550, 5269, 5283, 5569, 5669, 5253, 5455, 5471, 5366, 5254, 5555, 5387, 5632, 5287, 5525, 5535, 5490, 5561, 5584, 5300, 5615, 5714, 5675, 5720, 5560, 5325, 5477, 5529, 5318, 5658, 5650, 5500, 5415, 5399, 5447, 5361, 5307, 5657, 5703, 5337, 5531, 5328, 5261, 5600, 5505, 5679, 5341, 5423, 5511, 5537, 5559, 5624, 5398, 5678, 5523, 5420, 5648, 5327, 5478, 5396, 5654, 5452, 5502, 5459, 5610, 5304, 5565, 5554, 5497, 5425, 5716, 5705, 5309, 5372, 5553, 5419, 5278, 5414, 5660, 5533, 5403, 5545, 5470, 5547, 5589, 5344, 5568, 5713, 5655, 5664, 5530, 5388, 5694, 5357, 5668, 5374, 5382, 5491 (9 hits) (01/31/2013 03:25:44 PM)
20	9	1.0	333.0	Yes	5508.0MHz, -63.0dBm	Hop sequence: 5613, 5516, 5619, 5384, 5674, 5264, 5332, 5428, 5320, 5615, 5714, 5693, 5701, 5713, 5586, 5265, 5635, 5650, 5340, 5527, 5319, 5551, 5649, 5552, 5316, 5409, 5652, 5721, 5460, 5620, 5362, 5314, 5338, 5364, 5403, 5377, 5630, 5703, 5299, 5546, 5463, 5689, 5328, 5363, 5676, 5658, 5361, 5334, 5592, 5448, 5662, 5372, 5297,

Table 41 - FCC frequency hopping radar (Type 6) Results HT40

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5491, 5512, 5275, 5634, 5440, 5451, 5306, 5472, 5347, 5416, 5715, 5427, 5683, 5539, 5294, 5678, 5663, 5498, 5401, 5426, 5669, 5579, 5545, 5456, 5587, 5327, 5666, 5706, 5330, 5667, 5505, 5702, 5432, 5383, 5321, 5413, 5365, 5305, 5461, 5352, 5301, 5400, 5621, 5455, 5595, 5506, 5541 (7 hits) (01/31/2013 03:26:00 PM)
21	9	1.0	333.0	Yes	5509.0MHz, -63.0dBm	Hop sequence: 5315, 5474, 5298, 5448, 5571, 5272, 5335, 5671, 5389, 5391, 5598, 5596, 5295, 5641, 5701, 5356, 5311, 5273, 5625, 5453, 5624, 5425, 5520, 5597, 5576, 5640, 5706, 5502, 5424, 5437, 5486, 5414, 5480, 5418, 5681, 5636, 5600, 5617, 5316, 5431, 5330, 5334, 5358, 5642, 5478, 5266, 5360, 5345, 5329, 5370, 5661, 5542, 5252, 5376, 5611, 5513, 5259, 5282, 5469, 5303, 5491, 5694, 5482, 5410, 5412, 5324, 5363, 5534, 5411, 5470, 5489, 5338, 5508, 5715, 5380, 5573, 5458, 5638, 5277, 5359, 5707, 5443, 5523, 5440, 5464, 5550, 5433, 5257, 5556, 5403, 5377, 5369, 5293, 5519, 5588, 5320, 5325, 5583, 5332, 5327 (7 hits) (01/31/2013 03:26:15 PM)
22	9	1.0	333.0	Yes	5510.0MHz, -63.0dBm	Hop sequence: 5259, 5296, 5362, 5514, 5394, 5305, 5459, 5625, 5691, 5368, 5334, 5667, 5343, 5454, 5504, 5524, 5587, 5501, 5375, 5480, 5357, 5254, 5602, 5595, 5687, 5359, 5618, 5260, 5685, 5258, 5388, 5688, 5556, 5299, 5599, 5269, 5274, 5533, 5297, 5257, 5420, 5275, 5562, 5306, 5428, 5446, 5461, 5396, 5419, 5283, 5309, 5692, 5725, 5292, 5654, 5655, 5323, 5389, 5608, 5656, 5561, 5681, 5325, 5574, 5261, 5473, 5255, 5398, 5528, 5345, 5626, 5710, 5647, 5409, 5444, 5280, 5416, 5287, 5441, 5329, 5312, 5666, 5405, 5649, 5712, 5505, 5380, 5458, 5341, 5308, 5684, 5406, 5719, 5376, 5551, 5577, 5707, 5627, 5558, 5499 (7 hits) (01/31/2013 03:26:28 PM)

Table 41 - 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	5511.0MHz, -63.0dBm	Hop sequence: 5428, 5703, 5418, 5299, 5512, 5454, 5259, 5256, 5349, 5575, 5710, 5397, 5395, 5536, 5393, 5319, 5315, 5474, 5522, 5516, 5506, 5305, 5705, 5254, 5626, 5642, 5344, 5292, 5693, 5476, 5493, 5295, 5364, 5611, 5303, 5702, 5533, 5445, 5595, 5583, 5286, 5699, 5354, 5477, 5620, 5314, 5396, 5687, 5281, 5673, 5582, 5659, 5602, 5263, 5681, 5514, 5470, 5277, 5265, 5312, 5420, 5464, 5499, 5251, 5633, 5479, 5340, 5700, 5310, 5690, 5347, 5519, 5253, 5342, 5622, 5264, 5414, 5427, 5404, 5497, 5513, 5657, 5387, 5423, 5465, 5632, 5713, 5662, 5473, 5607, 5341, 5266, 5390, 5339, 5376, 5350, 5328, 5289, 5691, 5449 (10 hits) (01/31/2013 03:26:56 PM)
24	9	1.0	333.0	Yes	5512.0MHz, -63.0dBm	Hop sequence: 5501, 5486, 5427, 5530, 5321, 5655, 5359, 5357, 5383, 5673, 5672, 5646, 5675, 5715, 5634, 5334, 5330, 5483, 5611, 5516, 5337, 5290, 5278, 5643, 5327, 5637, 5406, 5587, 5490, 5661, 5536, 5542, 5710, 5479, 5524, 5422, 5578, 5600, 5469, 5557, 5303, 5700, 5342, 5506, 5362, 5616, 5428, 5591, 5572, 5453, 5355, 5520, 5693, 5348, 5405, 5602, 5305, 5461, 5628, 5265, 5556, 5665, 5492, 5679, 5441, 5409, 5597, 5656, 5519, 5322, 5588, 5630, 5537, 5523, 5331, 5346, 5582, 5301, 5527, 5289, 5391, 5561, 5676, 5384, 5431, 5612, 5318, 5328, 5622, 5447, 5677, 5645, 5475, 5255, 5311, 5329, 5713, 5678, 5671, 5350 (9 hits) (01/31/2013 03:27:22 PM)
25	9	1.0	333.0	Yes	5513.0MHz, -63.0dBm	Hop sequence: 5516, 5408, 5504, 5380, 5478, 5434, 5357, 5440, 5570, 5623, 5600, 5351, 5672, 5707, 5457, 5443, 5289, 5423, 5343, 5527, 5692, 5608, 5460, 5375, 5548, 5686, 5656, 5515, 5525, 5497, 5275, 5428, 5252, 5296, 5565, 5301, 5383, 5616, 5652, 5657, 5262, 5593, 5422, 5554, 5556, 5531, 5410, 5653, 5409, 5676, 5372, 5473, 5540,

Table 41 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5267, 5476, 5379, 5425, 5618, 5535, 5266, 5654, 5283, 5549, 5350, 5393, 5302, 5287, 5726, 5353, 5604, 5320, 5306, 5647, 5510, 5429, 5361, 5631, 5297, 5367, 5458, 5553, 5577, 5706, 5294, 5298, 5628, 5704, 5662, 5354, 5649, 5585, 5400, 5578, 5543, 5667, 5340, 5538, 5388, 5689, 5487 (7 hits) (01/31/2013 03:27:48 PM)
26	9	1.0	333.0	Yes	5514.0MHz, -63.0dBm	Hop sequence: 5492, 5378, 5399, 5443, 5304, 5671, 5442, 5262, 5365, 5273, 5677, 5603, 5429, 5348, 5558, 5408, 5555, 5526, 5379, 5439, 5672, 5297, 5616, 5385, 5699, 5576, 5350, 5683, 5697, 5582, 5594, 5713, 5368, 5587, 5615, 5438, 5598, 5498, 5259, 5562, 5445, 5495, 5517, 5635, 5299, 5319, 5252, 5465, 5499, 5547, 5658, 5501, 5463, 5318, 5602, 5434, 5369, 5315, 5709, 5701, 5632, 5402, 5706, 5515, 5653, 5539, 5425, 5707, 5723, 5484, 5416, 5553, 5267, 5312, 5377, 5522, 5410, 5542, 5546, 5655, 5469, 5551, 5352, 5646, 5290, 5274, 5331, 5351, 5363, 5606, 5714, 5528, 5310, 5260, 5451, 5660, 5702, 5307, 5342, 5717 (10 hits) (01/31/2013 03:28:04 PM)
27	9	1.0	333.0	Yes	5515.0MHz, -63.0dBm	Hop sequence: 5645, 5391, 5685, 5537, 5678, 5483, 5387, 5711, 5406, 5528, 5286, 5482, 5432, 5326, 5630, 5641, 5634, 5669, 5724, 5356, 5562, 5668, 5349, 5607, 5383, 5575, 5623, 5515, 5388, 5308, 5514, 5364, 5720, 5666, 5398, 5638, 5667, 5495, 5591, 5276, 5296, 5343, 5662, 5470, 5581, 5430, 5293, 5716, 5657, 5332, 5648, 5694, 5677, 5475, 5618, 5390, 5635, 5465, 5347, 5366, 5305, 5344, 5487, 5352, 5622, 5705, 5252, 5642, 5601, 5316, 5469, 5263, 5714, 5477, 5555, 5369, 5558, 5418, 5498, 5719, 5403, 5502, 5478, 5598, 5486, 5670, 5481, 5327, 5407, 5530, 5278, 5505, 5587, 5500, 5269, 5275, 5625, 5271, 5279, 5560 (8 hits) (01/31/2013 03:29:00 PM)

Table 41 - 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	5516.0MHz, -63.0dBm	Hop sequence: 5681, 5675, 5644, 5341, 5396, 5302, 5286, 5459, 5421, 5377, 5357, 5438, 5366, 5307, 5295, 5465, 5259, 5592, 5721, 5558, 5337, 5533, 5716, 5621, 5502, 5701, 5631, 5454, 5349, 5463, 5586, 5628, 5651, 5403, 5706, 5479, 5593, 5581, 5512, 5515, 5604, 5616, 5282, 5361, 5265, 5419, 5725, 5600, 5629, 5568, 5288, 5614, 5503, 5578, 5267, 5537, 5637, 5409, 5430, 5500, 5345, 5311, 5287, 5316, 5255, 5549, 5488, 5271, 5293, 5497, 5635, 5507, 5348, 5391, 5601, 5546, 5358, 5298, 5331, 5482, 5407, 5516, 5351, 5655, 5371, 5446, 5353, 5591, 5283, 5529, 5584, 5723, 5599, 5320, 5517, 5428, 5650, 5613, 5710, 5521 (11 hits) (01/31/2013 03:29:36 PM)
29	9	1.0	333.0	Yes	5517.0MHz, -63.0dBm	Hop sequence: 5486, 5254, 5324, 5724, 5308, 5372, 5387, 5493, 5272, 5436, 5339, 5532, 5514, 5413, 5378, 5391, 5332, 5338, 5665, 5702, 5256, 5409, 5298, 5635, 5290, 5310, 5683, 5696, 5429, 5293, 5509, 5302, 5385, 5672, 5481, 5654, 5377, 5548, 5542, 5312, 5725, 5447, 5627, 5510, 5346, 5694, 5392, 5606, 5619, 5253, 5618, 5636, 5543, 5719, 5419, 5320, 5573, 5721, 5348, 5647, 5370, 5268, 5691, 5305, 5426, 5575, 5457, 5527, 5642, 5427, 5263, 5347, 5336, 5317, 5637, 5534, 5557, 5625, 5411, 5341, 5661, 5701, 5563, 5656, 5494, 5663, 5705, 5367, 5340, 5459, 5371, 5723, 5479, 5594, 5357, 5505, 5425, 5567, 5659, 5282 (7 hits) (01/31/2013 03:30:12 PM)
30	9	1.0	333.0	Yes	5518.0MHz, -63.0dBm	Hop sequence: 5387, 5294, 5445, 5362, 5660, 5325, 5393, 5673, 5548, 5378, 5330, 5320, 5566, 5611, 5431, 5269, 5720, 5321, 5458, 5494, 5599, 5496, 5347, 5583, 5672, 5438, 5681, 5329, 5296, 5392, 5571, 5678, 5480, 5355, 5595, 5700, 5610, 5524, 5608, 5372, 5635, 5313, 5501, 5645, 5623, 5342, 5358, 5717, 5424, 5345, 5497, 5619, 5643,

Table 41 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5332, 5344, 5290, 5406, 5353, 5356, 5704, 5476, 5592, 5453, 5292, 5316, 5435, 5559, 5444, 5512, 5299, 5671, 5394, 5318, 5703, 5702, 5478, 5314, 5402, 5459, 5481, 5569, 5692, 5528, 5687, 5399, 5439, 5679, 5322, 5603, 5632, 5361, 5381, 5682, 5656, 5303, 5650, 5711, 5560, 5419, 5351 (7 hits) (01/31/2013 03:30:43 PM)
31	9	1.0	333.0	Yes	5519.0MHz, -63.0dBm	Hop sequence: 5545, 5664, 5303, 5362, 5341, 5263, 5331, 5349, 5725, 5653, 5672, 5567, 5558, 5510, 5587, 5618, 5442, 5591, 5722, 5484, 5459, 5574, 5670, 5697, 5320, 5377, 5521, 5707, 5534, 5641, 5703, 5606, 5485, 5552, 5570, 5481, 5708, 5577, 5411, 5544, 5412, 5538, 5589, 5408, 5465, 5656, 5340, 5652, 5335, 5414, 5425, 5384, 5585, 5560, 5376, 5648, 5520, 5623, 5336, 5328, 5726, 5382, 5533, 5401, 5658, 5687, 5389, 5409, 5608, 5367, 5450, 5573, 5541, 5519, 5394, 5413, 5524, 5517, 5603, 5379, 5488, 5422, 5310, 5595, 5332, 5551, 5531, 5471, 5499, 5598, 5298, 5549, 5352, 5371, 5312, 5569, 5693, 5720, 5455, 5419 (7 hits) (01/31/2013 03:31:04 PM)
32	9	1.0	333.0	Yes	5520.0MHz, -63.0dBm	Hop sequence: 5279, 5621, 5690, 5493, 5356, 5302, 5507, 5611, 5666, 5498, 5420, 5716, 5612, 5600, 5565, 5353, 5564, 5441, 5362, 5409, 5476, 5251, 5588, 5538, 5373, 5477, 5445, 5339, 5704, 5717, 5462, 5266, 5696, 5700, 5305, 5316, 5416, 5424, 5570, 5417, 5389, 5307, 5638, 5656, 5557, 5308, 5614, 5519, 5478, 5289, 5676, 5697, 5583, 5485, 5435, 5549, 5610, 5680, 5669, 5620, 5479, 5431, 5283, 5605, 5442, 5566, 5504, 5270, 5713, 5641, 5623, 5679, 5433, 5256, 5723, 5721, 5336, 5547, 5542, 5460, 5616, 5545, 5467, 5625, 5298, 5663, 5340, 5345, 5637, 5591, 5342, 5350, 5548, 5369, 5255, 5410, 5411, 5667, 5606, 5575 (5 hits) (01/31/2013 03:31:28 PM)

Table 41 - 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	5521.0MHz, -63.0dBm	Hop sequence: 5412, 5301, 5718, 5343, 5593, 5458, 5394, 5465, 5651, 5535, 5683, 5649, 5645, 5577, 5375, 5377, 5529, 5267, 5507, 5712, 5414, 5634, 5359, 5378, 5399, 5721, 5575, 5673, 5523, 5502, 5489, 5259, 5518, 5355, 5652, 5679, 5385, 5630, 5429, 5323, 5562, 5309, 5580, 5357, 5266, 5250, 5632, 5552, 5282, 5686, 5397, 5579, 5590, 5334, 5337, 5363, 5306, 5439, 5691, 5356, 5374, 5427, 5609, 5272, 5466, 5558, 5566, 5287, 5455, 5302, 5398, 5687, 5256, 5678, 5565, 5557, 5539, 5653, 5697, 5288, 5638, 5596, 5588, 5327, 5648, 5470, 5666, 5405, 5446, 5286, 5581, 5478, 5615, 5548, 5313, 5271, 5698, 5600, 5436, 5714 (5 hits) (01/31/2013 03:31:39 PM)
34	9	1.0	333.0	Yes	5522.0MHz, -63.0dBm	Hop sequence: 5433, 5610, 5622, 5254, 5619, 5317, 5394, 5321, 5299, 5549, 5411, 5303, 5708, 5651, 5676, 5489, 5689, 5291, 5257, 5668, 5718, 5385, 5675, 5589, 5673, 5287, 5362, 5562, 5712, 5505, 5347, 5500, 5699, 5680, 5374, 5478, 5623, 5402, 5491, 5606, 5390, 5281, 5584, 5527, 5607, 5338, 5488, 5495, 5648, 5536, 5636, 5688, 5439, 5255, 5474, 5510, 5443, 5578, 5654, 5703, 5566, 5387, 5563, 5382, 5334, 5711, 5516, 5725, 5446, 5464, 5605, 5315, 5627, 5539, 5515, 5634, 5558, 5551, 5609, 5664, 5357, 5591, 5635, 5418, 5613, 5508, 5620, 5311, 5285, 5555, 5479, 5471, 5696, 5441, 5583, 5543, 5511, 5470, 5266, 5398 (10 hits) (01/31/2013 03:31:53 PM)
35	9	1.0	333.0	Yes	5523.0MHz, -63.0dBm	Hop sequence: 5561, 5639, 5385, 5331, 5654, 5387, 5422, 5604, 5352, 5664, 5706, 5569, 5565, 5493, 5473, 5414, 5327, 5709, 5662, 5309, 5680, 5285, 5524, 5646, 5534, 5703, 5452, 5689, 5411, 5435, 5455, 5542, 5325, 5275, 5475, 5456, 5278, 5421, 5694, 5293, 5641, 5608, 5507, 5647, 5522, 5372, 5281, 5276, 5567, 5380, 5497, 5268, 5441,

Table 41 - FCC frequency hopping radar (Type 6) Results HT40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5316, 5261, 5342, 5295, 5583, 5690, 5345, 5547, 5532, 5653, 5280, 5356, 5402, 5378, 5720, 5512, 5400, 5572, 5383, 5321, 5566, 5700, 5649, 5451, 5611, 5347, 5290, 5540, 5558, 5595, 5503, 5659, 5553, 5714, 5416, 5447, 5288, 5621, 5287, 5613, 5424, 5394, 5483, 5705, 5568, 5338, 5255 (7 hits) (01/31/2013 03:32:14 PM)
36	9	1.0	333.0	Yes	5524.0MHz, -63.0dBm	Hop sequence: 5697, 5594, 5604, 5420, 5402, 5299, 5446, 5460, 5322, 5251, 5438, 5385, 5581, 5366, 5479, 5427, 5494, 5565, 5275, 5381, 5671, 5423, 5273, 5345, 5561, 5717, 5262, 5351, 5323, 5371, 5493, 5557, 5636, 5516, 5334, 5471, 5539, 5491, 5495, 5462, 5261, 5415, 5456, 5558, 5324, 5603, 5560, 5343, 5633, 5586, 5500, 5664, 5308, 5575, 5346, 5257, 5368, 5312, 5640, 5513, 5597, 5668, 5593, 5378, 5482, 5411, 5709, 5357, 5569, 5607, 5676, 5373, 5465, 5699, 5644, 5408, 5474, 5635, 5536, 5711, 5630, 5656, 5547, 5693, 5473, 5452, 5703, 5410, 5502, 5571, 5670, 5298, 5683, 5394, 5566, 5487, 5492, 5317, 5304, 5531 (9 hits) (01/31/2013 03:32:28 PM)
37	9	1.0	333.0	Yes	5525.0MHz, -63.0dBm	Hop sequence: 5673, 5490, 5273, 5568, 5627, 5320, 5491, 5552, 5356, 5545, 5699, 5253, 5683, 5364, 5382, 5555, 5651, 5596, 5667, 5595, 5534, 5541, 5584, 5548, 5538, 5477, 5309, 5312, 5264, 5669, 5492, 5404, 5716, 5441, 5554, 5717, 5280, 5598, 5572, 5694, 5276, 5474, 5290, 5586, 5461, 5588, 5688, 5480, 5365, 5411, 5676, 5616, 5604, 5260, 5634, 5403, 5456, 5417, 5559, 5547, 5295, 5429, 5323, 5439, 5451, 5718, 5636, 5542, 5633, 5601, 5319, 5624, 5370, 5300, 5454, 5314, 5349, 5268, 5488, 5698, 5714, 5619, 5579, 5533, 5296, 5250, 5703, 5254, 5297, 5689, 5700, 5398, 5519, 5720, 5632, 5251, 5425, 5387, 5647, 5473 (3 hits) (01/31/2013 03:32:39 PM)

Table 41 - 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	5526.0MHz, -63.0dBm	Hop sequence: 5660, 5508, 5600, 5314, 5304, 5440, 5334, 5328, 5533, 5505, 5564, 5460, 5426, 5545, 5436, 5601, 5691, 5529, 5270, 5465, 5390, 5488, 5568, 5685, 5534, 5492, 5342, 5582, 5530, 5720, 5684, 5351, 5474, 5450, 5357, 5614, 5715, 5632, 5507, 5563, 5635, 5722, 5261, 5572, 5718, 5422, 5653, 5292, 5472, 5274, 5523, 5665, 5253, 5349, 5679, 5723, 5696, 5551, 5384, 5444, 5559, 5263, 5664, 5293, 5363, 5391, 5514, 5321, 5581, 5380, 5644, 5683, 5670, 5597, 5377, 5528, 5557, 5358, 5589, 5603, 5613, 5383, 5319, 5540, 5724, 5721, 5562, 5657, 5636, 5477, 5610, 5699, 5279, 5433, 5695, 5397, 5646, 5710, 5656, 5648 (8 hits) (01/31/2013 03:33:03 PM)
39	9	1.0	333.0	Yes	5527.0MHz, -63.0dBm	Hop sequence: 5411, 5692, 5354, 5696, 5504, 5572, 5475, 5319, 5331, 5500, 5683, 5613, 5600, 5385, 5474, 5396, 5650, 5491, 5353, 5404, 5581, 5264, 5620, 5532, 5616, 5637, 5278, 5273, 5566, 5495, 5691, 5296, 5429, 5467, 5440, 5589, 5360, 5394, 5258, 5318, 5423, 5261, 5634, 5431, 5608, 5448, 5719, 5560, 5286, 5263, 5329, 5559, 5430, 5446, 5271, 5629, 5283, 5348, 5667, 5302, 5413, 5277, 5520, 5299, 5454, 5308, 5457, 5568, 5432, 5461, 5673, 5478, 5531, 5499, 5703, 5550, 5676, 5393, 5508, 5259, 5451, 5497, 5694, 5656, 5426, 5595, 5523, 5337, 5355, 5472, 5584, 5365, 5687, 5351, 5368, 5416, 5626, 5468, 5280, 5668 (9 hits) (01/31/2013 03:33:16 PM)

Table 42 - Summary of All Results - HT20

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	86.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	93.3 %	60.0 %	30	PASSED
Aggregate of above results	93.3 %	80.0 %	120	PASSED
Long Sequence	96.7 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	38	PASSED

Table 43 - 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	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:14:28 PM)
2	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:15:21 PM)
3	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:15:42 PM)
4	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:16:29 PM)
5	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:16:44 PM)
6	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:17:22 PM)
7	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:17:44 PM)
8	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:18:10 PM)
9	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:18:28 PM)
10	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:18:40 PM)
11	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:18:51 PM)
12	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:19:03 PM)
13	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:19:18 PM)
14	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:19:31 PM)
15	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:19:56 PM)
16	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:20:31 PM)
17	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:20:50 PM)
18	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:21:01 PM)
19	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:21:13 PM)
20	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:22:49 PM)

Table 43 - FCC Short Pulse Radar (Type 1) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
21	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:22:59 PM)
22	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:23:08 PM)
23	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:23:16 PM)
24	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:23:26 PM)
25	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:23:35 PM)
26	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:23:47 PM)
27	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:23:58 PM)
28	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:24:11 PM)
29	18	1.0	1428.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:24:21 PM)
30	18	1.0	1428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:24:36 PM)

Table 44 - 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	16	6.9	211.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:28:43 PM)
2	16	6.4	470.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:29:33 PM)
3	17	8.0	273.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:30:25 PM)
4	17	7.9	296.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:30:34 PM)
5	17	6.2	428.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:31:34 PM)
6	17	7.4	303.0	No	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:31:47 PM)
7	18	9.9	479.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:36:14 PM)
8	16	9.3	244.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:36:24 PM)
9	17	7.5	443.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:36:33 PM)
10	16	9.6	500.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:36:43 PM)
11	18	7.4	466.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:36:51 PM)
12	17	8.5	231.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:36:59 PM)
13	18	6.5	478.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:37:07 PM)
14	16	6.7	352.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:37:15 PM)
15	18	7.5	287.0	Yes	5505.0MHz,	Single burst (01/31/2013 04:37:23 PM)

Table 44 - FCC Short Pulse Radar (Type 3) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-63.0dBm	PM)
16	17	7.7	409.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:37:35 PM)
17	17	9.8	470.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:37:43 PM)
18	16	9.9	203.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:38:03 PM)
19	16	7.7	362.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:38:32 PM)
20	17	8.7	298.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:38:42 PM)
21	16	6.7	320.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:38:52 PM)
22	16	8.7	364.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:39:06 PM)
23	17	8.5	422.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:39:14 PM)
24	17	8.0	340.0	No	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:39:36 PM)
25	18	6.1	354.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:39:47 PM)
26	17	9.7	476.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:40:02 PM)
27	16	8.8	424.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:40:11 PM)
28	18	8.6	334.0	Yes	5500.0MHz, -63.0dBm	Single burst (01/31/2013 04:40:33 PM)
29	16	6.2	419.0	Yes	5495.0MHz, -63.0dBm	Single burst (01/31/2013 04:40:44 PM)
30	17	8.4	202.0	Yes	5505.0MHz, -63.0dBm	Single burst (01/31/2013 04:40:56 PM)

Table 45 - 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	3.1	210.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:09:48 AM)
2	23	3.0	176.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:09:58 AM)
3	26	2.5	156.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:10:11 AM)
4	25	1.5	179.0	No	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:10:25 AM)
5	27	3.6	181.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:10:37 AM)
6	24	2.2	221.0	No	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:11:12 AM)
7	27	4.0	215.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:11:23 AM)
8	25	4.0	158.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:11:31 AM)
9	23	3.6	153.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:11:40 AM)

Table 45 - FCC Short Pulse Radar (Type 2) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
10	28	4.0	163.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:11:52 AM)
11	29	1.9	154.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:12:00 AM)
12	24	3.0	212.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:12:11 AM)
13	24	1.5	186.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:12:22 AM)
14	27	2.6	198.0	No	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:12:30 AM)
15	27	1.1	224.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:12:43 AM)
16	27	4.4	150.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:12:57 AM)
17	26	4.7	176.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:13:05 AM)
18	26	1.6	175.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:13:15 AM)
19	27	4.2	153.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:13:27 AM)
20	27	1.1	163.0	No	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:13:35 AM)
21	23	2.9	158.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:13:52 AM)
22	26	1.1	197.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:14:02 AM)
23	26	1.8	178.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:14:10 AM)
24	23	3.2	196.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:14:20 AM)
25	23	1.1	191.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:14:27 AM)
26	25	4.0	191.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:14:35 AM)
27	26	2.2	220.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:14:45 AM)
28	24	4.9	166.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:14:53 AM)
29	26	3.3	219.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:15:03 AM)
30	28	3.2	201.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:15:13 AM)

Table 46 - 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	19.9	234.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:17:00 AM)
2	14	11.2	227.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:17:09 AM)
3	13	19.9	430.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:17:18 AM)

Table 46 - FCC Short Pulse Radar (Type 4) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
4	16	17.0	274.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:17:25 AM)
5	12	18.9	252.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:17:34 AM)
6	12	16.3	364.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:17:43 AM)
7	16	18.3	440.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:17:52 AM)
8	14	11.0	405.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:17:59 AM)
9	12	11.9	385.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:18:08 AM)
10	13	17.1	398.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:18:16 AM)
11	12	17.1	413.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:18:26 AM)
12	13	16.8	465.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:18:48 AM)
13	13	15.8	384.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:18:57 AM)
14	14	15.3	298.0	No	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:19:05 AM)
15	15	12.7	232.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:19:16 AM)
16	14	13.2	336.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:19:24 AM)
17	13	16.0	485.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:19:34 AM)
18	13	16.8	322.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:19:43 AM)
19	15	16.0	334.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:19:52 AM)
20	14	11.2	456.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:19:59 AM)
21	16	13.3	442.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:20:08 AM)
22	14	19.5	369.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:20:19 AM)
23	13	18.1	307.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:20:27 AM)
24	13	14.8	264.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:20:35 AM)
25	12	16.0	461.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:20:43 AM)
26	12	13.6	463.0	Yes	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:20:51 AM)
27	14	17.9	277.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:20:59 AM)
28	15	14.8	382.0	Yes	5500.0MHz, -63.0dBm	Single burst (02/01/2013 08:21:07 AM)
29	12	12.9	223.0	No	5495.0MHz, -63.0dBm	Single burst (02/01/2013 08:21:15 AM)
30	14	14.7	294.0	Yes	5505.0MHz, -63.0dBm	Single burst (02/01/2013 08:21:27 AM)

Table 47 - Long Sequence Waveform Summary HT20		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5500.0MHz, -63.0dBm
Trial #2	Detected	5495.0MHz, -63.0dBm
Trial #3	Detected	5505.0MHz, -63.0dBm
Trial #4	Detected	5500.0MHz, -63.0dBm
Trial #5	Detected	5495.0MHz, -63.0dBm
Trial #6	Detected	5505.0MHz, -63.0dBm
Trial #7	Detected	5500.0MHz, -63.0dBm
Trial #8	Detected	5495.0MHz, -63.0dBm
Trial #9	Detected	5505.0MHz, -63.0dBm
Trial #10	Detected	5500.0MHz, -63.0dBm
Trial #11	Detected	5495.0MHz, -63.0dBm
Trial #12	Detected	5505.0MHz, -63.0dBm
Trial #13	Detected	5500.0MHz, -63.0dBm
Trial #14	Detected	5495.0MHz, -63.0dBm
Trial #15	Detected	5505.0MHz, -63.0dBm
Trial #16	Detected	5500.0MHz, -63.0dBm
Trial #17	Detected	5495.0MHz, -63.0dBm
Trial #18	Detected	5505.0MHz, -63.0dBm
Trial #19	Detected	5500.0MHz, -63.0dBm
Trial #20	NOT Detected	5495.0MHz, -63.0dBm
Trial #21	Detected	5505.0MHz, -63.0dBm
Trial #22	Detected	5500.0MHz, -63.0dBm
Trial #23	Detected	5495.0MHz, -63.0dBm
Trial #24	Detected	5505.0MHz, -63.0dBm
Trial #25	Detected	5500.0MHz, -63.0dBm
Trial #26	Detected	5495.0MHz, -63.0dBm
Trial #27	Detected	5505.0MHz, -63.0dBm

Table 47 - Long Sequence Waveform Summary HT20

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #28	Detected	5500.0MHz, -63.0dBm
Trial #29	Detected	5495.0MHz, -63.0dBm
Trial #30	Detected	5505.0MHz, -63.0dBm

Table 48 - 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	2	79.8	13	1762.0	-	0.403123
2	2	85.2	19	1021.0	-	0.743492
3	2	70.2	7	1418.0	-	2.016434
4	3	75.6	7	1523.0	1240.0	2.765529
5	2	85.1	15	1881.0	-	3.311059
6	2	99.7	13	1260.0	-	3.642818
7	2	60.3	14	1554.0	-	4.888024
8	2	80.6	11	1042.0	-	5.416123
9	1	83.7	12	-	-	5.698784
10	2	67.6	15	1310.0	-	6.441274
11	3	83.2	14	1052.0	1143.0	7.228092
12	1	60.6	12	-	-	7.897431
13	2	52.0	9	1429.0	-	8.493614
14	2	87.1	8	1284.0	-	9.314131
15	3	91.1	15	1613.0	1585.0	10.021988
16	3	67.6	13	1672.0	1207.0	10.819487
17	1	69.2	11	-	-	11.727005

Table 49 - 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	2	99.8	15	1840.0	-	0.626865
2	2	82.8	16	1544.0	-	1.148467
3	2	64.5	10	1459.0	-	1.990878
4	2	84.8	9	1229.0	-	3.089520
5	2	99.6	13	1404.0	-	3.230195
6	2	72.9	9	1393.0	-	4.243268
7	1	75.2	6	-	-	4.988646
8	2	58.9	8	1832.0	-	5.740176
9	2	59.6	13	1213.0	-	7.017311
10	2	99.5	16	1457.0	-	7.653141
11	3	53.1	19	1772.0	1331.0	8.052156
12	2	93.2	15	1535.0	-	9.488555
13	2	57.2	16	1094.0	-	9.773987
14	2	67.3	11	1209.0	-	10.784824
15	2	62.1	19	1989.0	-	11.657636

Table 50 - 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)
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Table 50 - 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	2	85.1	12	1108.0	-	0.431255
2	2	72.0	12	1695.0	-	1.069601
3	2	90.1	15	1571.0	-	1.492907
4	2	67.3	10	1452.0	-	2.065675
5	3	50.1	16	1540.0	1231.0	2.770171
6	3	68.0	19	1461.0	1750.0	3.556367
7	1	97.0	8	-	-	4.592024
8	3	91.7	14	1302.0	1633.0	5.109742
9	2	92.9	17	1676.0	-	5.869039
10	3	63.9	8	1208.0	1923.0	6.027686
11	2	73.9	19	1687.0	-	6.985544
12	3	86.4	10	1158.0	1247.0	7.637730
13	2	85.7	20	1852.0	-	8.304588
14	2	80.8	12	1484.0	-	9.316430
15	2	83.5	13	1703.0	-	9.918825
16	2	95.6	17	1143.0	-	10.541888
17	1	67.5	19	-	-	10.696568
18	2	80.7	17	1165.0	-	11.394683

Table 51 - 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	2	93.2	14	1181.0	-	0.408551
2	3	53.6	9	1027.0	1887.0	1.124667
3	2	65.9	12	1230.0	-	2.245254
4	1	72.8	14	-	-	2.568772
5	1	84.8	16	-	-	3.307309
6	2	80.7	8	1637.0	-	4.175038
7	2	88.7	6	1302.0	-	5.112239
8	1	58.6	7	-	-	6.361201
9	3	64.5	10	1614.0	1504.0	6.632413
10	2	92.9	12	1961.0	-	7.372223
11	2	80.6	19	1530.0	-	8.552602
12	2	92.8	15	1769.0	-	9.430850
13	1	67.3	5	-	-	10.241056
14	2	68.5	17	1905.0	-	11.046103
15	3	85.4	11	1347.0	1568.0	11.440453

Table 52 - 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	74.0	17	1371.0	-	0.897543
2	2	70.4	11	1517.0	-	1.760893
3	3	89.9	19	1677.0	1249.0	2.234963
4	3	97.4	15	1824.0	1459.0	3.751695
5	2	58.7	8	1475.0	-	5.387118
6	2	86.6	14	1714.0	-	5.825071
7	2	82.5	14	1238.0	-	6.879781
8	2	82.8	14	1110.0	-	8.382524
9	1	65.3	18	-	-	8.867099

Table 52 - 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	1	95.4	14	-	-	10.147163
11	3	58.2	12	1346.0	1426.0	11.306856

Table 53 - 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	75.6	19	-	-	0.485708
2	3	93.4	8	1640.0	1957.0	1.172776
3	2	87.4	11	1091.0	-	1.418215
4	1	95.1	8	-	-	2.403641
5	3	70.5	16	1096.0	1935.0	2.885259
6	3	51.3	11	1225.0	1022.0	4.004488
7	2	91.8	8	1745.0	-	4.437045
8	3	70.1	12	1973.0	1818.0	5.008614
9	2	53.9	12	1922.0	-	6.255311
10	2	50.9	18	1937.0	-	6.802985
11	1	55.2	14	-	-	7.533285
12	2	79.4	12	1749.0	-	8.235027
13	1	83.0	11	-	-	8.718192
14	3	80.7	7	1911.0	1069.0	9.358947
15	2	55.8	19	1679.0	-	10.218812
16	2	87.3	6	1204.0	-	10.647116
17	2	56.6	7	1555.0	-	11.824884

Table 54 - 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	2	50.3	16	1782.0	-	0.042585
2	3	70.0	18	1976.0	1478.0	2.180768
3	1	83.9	14	-	-	3.281678
4	3	55.5	15	1148.0	1412.0	4.627990
5	2	87.6	15	1512.0	-	5.507385
6	3	97.3	7	1804.0	1970.0	6.736299
7	2	70.2	11	1065.0	-	7.866168
8	2	94.4	8	1071.0	-	8.999286
9	2	58.2	18	1639.0	-	9.917875
10	3	64.4	12	1449.0	1964.0	11.279073

Table 55 - 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	1	52.9	6	-	-	0.101725
2	3	73.9	6	1787.0	1887.0	0.986170
3	3	76.0	13	1146.0	1434.0	2.024815
4	1	88.2	15	-	-	3.005334
5	3	76.0	17	1832.0	1237.0	3.964003
6	2	73.1	15	1650.0	-	4.230692
7	1	77.6	6	-	-	5.465297
8	1	68.0	19	-	-	5.964655

Table 55 - 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)
9	1	93.0	10	-	-	6.479576
10	1	92.0	7	-	-	7.953987
11	2	66.8	18	1340.0	-	8.201449
12	3	56.1	18	1584.0	1668.0	9.003902
13	3	63.1	14	1918.0	1135.0	10.024361
14	2	73.9	9	1989.0	-	11.042189
15	2	62.1	15	1944.0	-	11.208076

Table 56 - 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	93.8	7	1999.0	-	0.611339
2	2	73.3	7	1427.0	-	0.822819
3	2	53.8	8	1746.0	-	1.930294
4	2	68.6	18	1990.0	-	2.431804
5	1	93.5	8	-	-	3.679394
6	2	71.2	11	1005.0	-	4.119907
7	1	86.9	6	-	-	5.139861
8	3	76.9	9	1737.0	1340.0	5.808666
9	1	98.9	9	-	-	6.364492
10	3	54.7	8	1369.0	1287.0	6.754249
11	2	79.2	10	1181.0	-	7.936914
12	2	93.3	17	1009.0	-	8.458612
13	3	87.9	20	1841.0	1543.0	9.046176
14	2	66.5	17	1797.0	-	10.482044
15	2	77.8	20	1521.0	-	10.532600
16	1	64.1	6	-	-	11.877230

Table 57 - 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	3	52.3	18	1622.0	1029.0	0.497738
2	2	66.6	13	1558.0	-	1.523560
3	2	99.9	19	1356.0	-	3.094618
4	1	65.8	17	-	-	5.265018
5	2	57.6	11	1514.0	-	5.446338
6	1	63.0	11	-	-	7.397313
7	1	76.3	14	-	-	9.035297
8	3	52.5	19	1060.0	1310.0	10.337986
9	2	72.2	11	1621.0	-	10.808257

Table 58 - 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	97.4	18	1057.0	-	0.677797
2	3	64.6	15	1849.0	1543.0	1.316510
3	1	63.9	14	-	-	2.251863
4	1	51.2	17	-	-	2.733953
5	2	76.1	6	1888.0	-	3.527157

Table 58 - 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)
6	2	93.3	15	1176.0	-	5.133865
7	2	98.0	18	1886.0	-	5.651398
8	3	62.8	11	1089.0	1568.0	6.589279
9	2	86.8	10	1061.0	-	7.255102
10	1	60.4	7	-	-	8.315268
11	3	59.6	7	1547.0	1661.0	8.733772
12	2	93.3	17	1036.0	-	10.215988
13	1	63.0	17	-	-	10.974989
14	2	92.8	10	1364.0	-	11.589547

Table 59 - 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	89.7	19	1571.0	-	0.470257
2	1	89.5	18	-	-	1.584754
3	3	99.5	7	1258.0	1830.0	1.929319
4	3	58.5	19	1651.0	1693.0	3.193163
5	2	95.0	14	1718.0	-	3.864130
6	2	70.6	6	1744.0	-	4.549304
7	2	94.9	12	1407.0	-	5.238476
8	3	77.6	18	1561.0	1653.0	6.225949
9	3	58.2	14	1411.0	1278.0	7.548607
10	2	78.0	8	1989.0	-	7.723199
11	1	80.7	20	-	-	9.145916
12	1	75.0	18	-	-	10.000267
13	2	62.6	6	1324.0	-	10.338415
14	2	83.6	13	1470.0	-	11.975977

Table 60 - 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	2	89.3	17	1943.0	-	0.270884
2	2	78.4	13	1478.0	-	1.362157
3	3	67.4	5	1708.0	1099.0	2.185235
4	3	61.3	15	1893.0	1124.0	3.418528
5	3	85.1	8	1238.0	1334.0	3.535501
6	3	64.0	19	1973.0	1987.0	4.290585
7	3	82.9	17	1518.0	1146.0	5.262014
8	3	69.4	18	1811.0	1878.0	6.238418
9	1	96.4	13	-	-	7.590414
10	3	63.1	19	1803.0	1428.0	7.924077
11	1	93.1	13	-	-	8.687512
12	3	61.4	9	1719.0	1034.0	10.087512
13	3	76.6	18	1857.0	1251.0	11.037675
14	2	54.5	7	1410.0	-	11.248720

Table 61 - 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)
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Table 61 - 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	2	89.6	6	1386.0	-	0.542844
2	1	82.3	6	-	-	0.877351
3	1	76.0	19	-	-	1.820422
4	1	89.1	7	-	-	2.410953
5	3	63.3	12	1431.0	1198.0	3.027489
6	2	64.3	6	1817.0	-	3.658383
7	2	60.5	13	1900.0	-	4.848517
8	2	54.4	10	1434.0	-	5.547719
9	2	83.8	10	1191.0	-	6.027946
10	2	54.2	6	1672.0	-	6.588935
11	1	63.9	18	-	-	7.239037
12	1	82.3	7	-	-	8.019791
13	2	76.1	16	1583.0	-	8.946098
14	3	66.8	15	1156.0	1299.0	9.452241
15	3	65.5	9	1213.0	1725.0	10.063326
16	3	67.6	14	1288.0	1319.0	11.258951
17	1	78.0	12	-	-	11.355803

Table 62 - 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	1	99.0	11	-	-	0.471581
2	3	55.1	15	1993.0	1290.0	0.980183
3	2	60.2	19	1798.0	-	1.653368
4	1	78.2	14	-	-	2.686778
5	1	74.1	12	-	-	3.438674
6	3	51.3	14	1737.0	1528.0	4.646146
7	3	81.6	15	1319.0	1486.0	5.458704
8	3	73.9	8	1500.0	1802.0	5.663730
9	3	88.3	7	1034.0	1345.0	6.997243
10	3	93.8	7	1120.0	1067.0	7.487591
11	1	55.4	10	-	-	8.659807
12	3	65.5	10	1466.0	1789.0	8.955724
13	1	56.4	6	-	-	10.397492
14	1	81.4	9	-	-	11.038714
15	2	95.6	9	1722.0	-	11.225935

Table 63 - 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	71.3	17	1884.0	-	0.693322
2	2	56.5	6	1984.0	-	0.864271
3	1	75.9	8	-	-	1.846472
4	1	90.7	12	-	-	2.613369
5	1	59.1	10	-	-	3.268964
6	3	58.8	17	1587.0	1329.0	4.353129
7	2	92.0	9	1847.0	-	4.826482
8	2	63.9	11	1422.0	-	6.254727
9	2	83.9	13	1992.0	-	7.061704
10	2	80.4	14	1908.0	-	7.545220

Table 63 - 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)
11	2	94.7	9	1773.0	-	8.606472
12	2	74.3	9	1062.0	-	9.597885
13	2	65.4	10	1522.0	-	9.992980
14	2	82.3	15	1508.0	-	11.056615
15	2	68.4	6	1689.0	-	11.702561

Table 64 - 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	96.1	7	1571.0	-	0.019994
2	3	84.6	15	1874.0	1631.0	1.983278
3	2	85.4	6	1726.0	-	2.706729
4	2	81.1	6	1166.0	-	4.287872
5	1	80.6	18	-	-	5.295011
6	2	92.5	13	1819.0	-	6.421176
7	1	90.1	15	-	-	7.300087
8	2	67.2	12	1446.0	-	8.598225
9	1	81.7	6	-	-	9.103529
10	3	80.4	16	1351.0	1430.0	10.594121
11	2	54.1	13	1361.0	-	11.363176

Table 65 - 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	3	98.9	8	1113.0	1703.0	0.602181
2	2	68.4	15	1203.0	-	0.933036
3	3	69.3	6	1122.0	1010.0	1.935843
4	3	53.8	16	1441.0	1819.0	2.344279
5	1	95.9	14	-	-	2.916971
6	3	69.6	12	1907.0	1449.0	3.457397
7	1	71.0	16	-	-	4.190059
8	2	55.2	13	1906.0	-	5.248862
9	3	64.8	17	1407.0	1369.0	5.805351
10	3	78.8	12	1837.0	1115.0	6.212532
11	2	96.0	5	1444.0	-	7.106752
12	1	70.8	14	-	-	7.994488
13	2	60.6	8	1797.0	-	8.367543
14	2	82.6	16	1463.0	-	8.927162
15	2	63.3	15	1351.0	-	9.847611
16	2	96.9	11	1339.0	-	10.091625
17	1	99.4	10	-	-	11.172453
18	2	62.6	13	1956.0	-	11.424491

Table 66 - 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	64.9	8	-	-	0.452672
2	1	71.1	18	-	-	0.909973
3	2	79.8	11	1651.0	-	1.591073

Table 66 - 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)
4	2	80.5	7	1257.0	-	1.935913
5	1	59.3	10	-	-	2.632267
6	1	81.1	8	-	-	3.556538
7	1	59.5	15	-	-	3.982791
8	2	53.9	15	1301.0	-	4.531749
9	3	75.4	14	1197.0	1448.0	5.233848
10	2	69.4	18	1926.0	-	5.677176
11	2	76.0	14	1662.0	-	6.007327
12	3	60.0	11	1209.0	1035.0	7.196535
13	1	65.6	18	-	-	7.311571
14	2	65.9	12	1708.0	-	7.825558
15	3	86.4	15	1272.0	1044.0	8.473699
16	3	77.1	13	1013.0	1140.0	9.512076
17	2	97.6	9	1352.0	-	10.196916
18	1	98.5	20	-	-	10.275672
19	2	82.0	9	1395.0	-	11.293128
20	2	59.5	13	1868.0	-	11.714930

Table 67 - HT20 Long Sequence Waveform Trial#20 (NOT Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	72.4	18	1216.0	-	0.723918
2	3	83.8	9	1459.0	1720.0	1.212503
3	1	65.6	6	-	-	2.370800
4	3	69.5	17	1795.0	1355.0	3.202500
5	3	92.3	19	1737.0	1475.0	3.784225
6	3	67.7	14	1643.0	1573.0	4.762474
7	1	67.0	14	-	-	5.449592
8	2	50.3	18	1358.0	-	6.259375
9	3	51.7	12	1335.0	1591.0	7.546869
10	3	95.8	12	1326.0	1964.0	8.270573
11	3	77.7	6	1138.0	1818.0	9.059039
12	2	80.9	9	1969.0	-	10.059443
13	3	98.5	12	1646.0	1254.0	10.475211
14	3	95.5	11	1842.0	1296.0	11.634546

Table 68 - 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	1	64.2	15	-	-	0.197075
2	2	53.0	13	1946.0	-	1.537984
3	2	95.0	8	1680.0	-	2.841138
4	2	60.6	8	1538.0	-	5.271340
5	3	86.5	14	1757.0	1107.0	6.170000
6	2	60.8	14	1563.0	-	7.687105
7	1	72.6	13	-	-	8.335939
8	1	59.0	12	-	-	9.652485
9	2	95.4	5	1546.0	-	11.031578

Table 69 - 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	1	68.7	18	-	-	0.606937
2	2	93.8	15	1993.0	-	1.248047
3	2	53.3	12	1809.0	-	1.434553
4	3	58.5	7	1910.0	1954.0	2.469175
5	2	58.9	9	1808.0	-	2.745876
6	3	66.0	7	1578.0	1678.0	3.457385
7	2	76.7	18	1985.0	-	4.366890
8	1	68.8	7	-	-	4.951711
9	2	90.8	6	1462.0	-	5.343220
10	2	51.2	13	1907.0	-	5.772317
11	2	60.5	18	1699.0	-	6.397234
12	1	50.8	19	-	-	6.995653
13	3	85.7	16	1060.0	1339.0	7.747579
14	2	86.6	15	1278.0	-	8.703181
15	2	62.3	16	1402.0	-	9.415254
16	3	57.8	18	1191.0	1916.0	9.972798
17	3	87.5	19	1880.0	1173.0	10.239754
18	2	76.2	20	1993.0	-	10.833737
19	2	77.0	17	1851.0	-	11.673795

Table 70 - 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	3	58.2	7	1008.0	1648.0	0.084156
2	2	59.0	12	1434.0	-	1.063454
3	1	95.4	9	-	-	2.094633
4	3	51.3	15	1803.0	1102.0	2.810947
5	2	87.5	8	1414.0	-	3.060901
6	2	85.9	7	1074.0	-	3.788790
7	1	85.4	7	-	-	4.571462
8	2	92.2	5	1573.0	-	5.068398
9	2	59.6	9	1957.0	-	5.733825
10	3	74.7	8	1138.0	1833.0	6.819756
11	1	93.5	19	-	-	7.222061
12	2	90.1	17	1371.0	-	7.874568
13	2	75.8	19	1461.0	-	8.556918
14	2	73.2	15	1582.0	-	9.588831
15	1	91.1	17	-	-	10.136660
16	3	81.5	20	1769.0	1220.0	11.083829
17	1	53.6	9	-	-	11.518795

Table 71 - 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	98.7	16	1419.0	-	0.848693
2	1	54.8	16	-	-	1.402673
3	2	71.0	6	1711.0	-	2.045490
4	2	81.1	11	1707.0	-	3.415511
5	1	83.1	17	-	-	3.568698
6	3	94.3	19	1134.0	1682.0	5.040728

Table 71 - 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)
7	2	87.2	15	1010.0	-	5.157405
8	1	78.5	16	-	-	6.649109
9	3	81.2	11	1761.0	1034.0	7.408476
10	2	82.8	15	1380.0	-	8.229167
11	2	96.2	18	1487.0	-	9.083754
12	3	53.1	5	1379.0	1385.0	9.595336
13	2	63.4	6	1610.0	-	10.782153
14	1	76.4	11	-	-	11.913040

Table 72 - 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	2	58.3	16	1582.0	-	0.357348
2	1	69.6	18	-	-	1.281770
3	3	71.4	8	1685.0	1827.0	2.523533
4	2	81.3	6	1986.0	-	3.891673
5	3	50.6	15	1024.0	1009.0	5.229654
6	3	63.7	10	1418.0	1823.0	6.267562
7	1	75.5	19	-	-	6.916062
8	2	51.9	8	1268.0	-	7.879767
9	2	60.2	15	1424.0	-	9.667673
10	2	58.7	18	1303.0	-	10.117964
11	2	88.1	7	1712.0	-	11.905963

Table 73 - 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	54.1	11	1055.0	-	0.084389
2	2	94.1	10	1759.0	-	1.300005
3	2	69.9	16	1389.0	-	1.703654
4	2	92.2	15	1987.0	-	2.119195
5	2	67.8	12	1499.0	-	3.187728
6	2	94.8	7	1172.0	-	3.837175
7	3	77.4	10	1897.0	1302.0	4.663031
8	3	56.4	18	1085.0	1971.0	5.245452
9	2	61.2	8	1128.0	-	5.723284
10	3	65.5	14	1227.0	1810.0	6.157034
11	3	75.0	8	1768.0	1095.0	6.855520
12	3	61.1	14	1827.0	1930.0	7.863424
13	3	87.1	7	1198.0	1475.0	8.034446
14	2	62.1	15	1629.0	-	9.266139
15	2	91.3	13	1016.0	-	9.862427
16	2	53.5	8	1228.0	-	10.067389
17	2	56.0	12	1336.0	-	11.310315
18	1	55.6	9	-	-	11.619032

Table 74 - 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)
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Table 74 - 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	75.9	17	1368.0	-	0.374417
2	1	59.4	12	-	-	0.807443
3	1	68.7	11	-	-	1.656181
4	3	63.4	10	1491.0	1869.0	2.587563
5	2	53.5	16	1918.0	-	3.560429
6	2	98.8	6	1865.0	-	4.115836
7	3	69.1	6	1703.0	1920.0	5.197821
8	2	83.6	15	1624.0	-	6.301684
9	1	71.8	19	-	-	6.806631
10	1	63.0	7	-	-	7.270946
11	2	98.8	15	1068.0	-	8.754957
12	1	74.8	18	-	-	9.460614
13	3	94.8	13	1042.0	1618.0	10.178239
14	1	84.2	13	-	-	10.743208
15	3	55.8	16	1385.0	1212.0	11.769926

Table 75 - 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	1	65.1	14	-	-	0.541109
2	2	89.4	9	1913.0	-	1.516970
3	1	65.6	13	-	-	1.956296
4	3	81.4	13	1502.0	1352.0	2.928593
5	2	55.0	17	1924.0	-	3.471694
6	2	71.0	13	1279.0	-	4.887362
7	2	94.9	19	1814.0	-	5.702582
8	2	78.3	20	1291.0	-	6.525581
9	1	81.0	7	-	-	7.064159
10	3	82.5	18	1204.0	1869.0	7.767505
11	2	84.8	14	1054.0	-	9.073019
12	2	85.5	18	1449.0	-	9.462504
13	2	54.2	17	1542.0	-	10.649420
14	2	94.0	14	1919.0	-	11.386993

Table 76 - 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	62.3	10	1208.0	-	0.602878
2	2	86.6	8	1516.0	-	0.680545
3	2	58.7	14	1664.0	-	1.764527
4	3	87.2	9	1055.0	1177.0	2.278202
5	3	73.1	16	1836.0	1007.0	3.212816
6	1	82.2	10	-	-	3.940660
7	1	50.4	19	-	-	4.022644
8	2	74.4	11	1250.0	-	5.132990
9	3	84.3	15	1085.0	1326.0	5.366908
10	3	79.7	6	1207.0	1652.0	6.378728
11	3	65.4	18	1127.0	1651.0	7.043322
12	3	59.5	19	1234.0	1017.0	7.596850
13	2	67.7	15	1572.0	-	8.463024

Table 76 - 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)
14	2	78.0	12	1478.0	-	8.908130
15	3	85.8	8	1678.0	1498.0	9.930077
16	2	76.3	13	1184.0	-	10.109758
17	2	66.7	9	1024.0	-	10.682819
18	2	97.1	17	1796.0	-	11.573376

Table 77 - 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	2	61.0	5	1221.0	-	1.227310
2	1	56.3	17	-	-	1.789226
3	3	63.9	15	1005.0	1907.0	3.580798
4	3	96.1	15	1440.0	1158.0	4.785147
5	1	57.2	9	-	-	6.550774
6	2	66.0	5	1820.0	-	7.758997
7	2	53.3	14	1470.0	-	8.645486
8	3	57.8	16	1438.0	1230.0	9.652106
9	2	77.5	16	1153.0	-	11.729775

Table 78 - 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	5508.0MHz, -63.0dBm	Hop sequence: 5535, 5346, 5453, 5608, 5385, 5428, 5254, 5460, 5282, 5402, 5479, 5436, 5299, 5257, 5395, 5376, 5349, 5369, 5495, 5671, 5494, 5643, 5696, 5297, 5504, 5506, 5459, 5433, 5389, 5549, 5440, 5662, 5541, 5723, 5443, 5345, 5380, 5422, 5645, 5382, 5284, 5703, 5657, 5546, 5517, 5452, 5654, 5429, 5412, 5673, 5253, 5285, 5491, 5481, 5328, 5503, 5454, 5580, 5617, 5639, 5526, 5656, 5530, 5533, 5397, 5651, 5357, 5697, 5366, 5683, 5647, 5273, 5421, 5448, 5314, 5416, 5570, 5513, 5340, 5444, 5593, 5379, 5573, 5450, 5574, 5449, 5509, 5672, 5581, 5407, 5425, 5529, 5403, 5427, 5724, 5604, 5293, 5693, 5689, 5675 (7 hits) (02/01/2013 08:35:37 AM)

Table 78 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
2	9	1.0	333.0	Yes	5509.0MHz, -63.0dBm	Hop sequence: 5289, 5707, 5364, 5564, 5276, 5489, 5391, 5660, 5468, 5539, 5475, 5442, 5699, 5682, 5624, 5392, 5577, 5723, 5691, 5584, 5518, 5561, 5382, 5430, 5520, 5278, 5641, 5443, 5347, 5572, 5562, 5618, 5429, 5507, 5603, 5658, 5629, 5567, 5669, 5622, 5400, 5321, 5330, 5632, 5613, 5491, 5605, 5633, 5389, 5590, 5705, 5472, 5521, 5345, 5533, 5381, 5374, 5700, 5610, 5645, 5339, 5511, 5383, 5406, 5698, 5697, 5419, 5663, 5566, 5557, 5528, 5421, 5250, 5458, 5616, 5524, 5598, 5261, 5659, 5479, 5483, 5670, 5466, 5526, 5606, 5529, 5265, 5286, 5514, 5640, 5493, 5623, 5470, 5581, 5464, 5323, 5422, 5534, 5644, 5724 (3 hits) (02/01/2013 08:35:46 AM)
3	9	1.0	333.0	Yes	5491.0MHz, -63.0dBm	Hop sequence: 5527, 5310, 5513, 5603, 5463, 5297, 5300, 5537, 5518, 5514, 5655, 5524, 5696, 5317, 5692, 5559, 5382, 5438, 5359, 5467, 5473, 5689, 5376, 5562, 5533, 5293, 5614, 5678, 5684, 5313, 5399, 5289, 5506, 5279, 5305, 5260, 5570, 5400, 5507, 5427, 5413, 5552, 5609, 5697, 5326, 5315, 5677, 5676, 5525, 5723, 5693, 5512, 5405, 5490, 5619, 5414, 5291, 5602, 5356, 5644, 5699, 5263, 5612, 5515, 5675, 5312, 5571, 5659, 5657, 5640, 5673, 5720, 5460, 5435, 5328, 5695, 5298, 5598, 5340, 5393, 5597, 5253, 5343, 5608, 5254, 5418, 5314, 5502, 5639, 5378, 5590, 5443, 5354, 5666, 5481, 5593, 5522, 5607, 5304, 5450 (3 hits) (02/01/2013 08:35:55 AM)
4	9	1.0	333.0	Yes	5492.0MHz, -63.0dBm	Hop sequence: 5568, 5347, 5561, 5353, 5709, 5439, 5682, 5626, 5403, 5564, 5685, 5668, 5328, 5424, 5425, 5263, 5628, 5595, 5349, 5256, 5337, 5638, 5494, 5688, 5555, 5384, 5372, 5299, 5498, 5461, 5264, 5643, 5419, 5571, 5525, 5614, 5261, 5534, 5409, 5268, 5413, 5512, 5648, 5412, 5630, 5326, 5358, 5485, 5378, 5563, 5583, 5473, 5471,

Table 78 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5468, 5705, 5652, 5641, 5616, 5265, 5302, 5649, 5319, 5521, 5343, 5338, 5469, 5374, 5581, 5297, 5560, 5369, 5431, 5509, 5607, 5496, 5345, 5284, 5716, 5366, 5426, 5576, 5283, 5674, 5432, 5474, 5666, 5713, 5635, 5340, 5393, 5637, 5269, 5420, 5500, 5548, 5631, 5597, 5591, 5423, 5334 (5 hits) (02/01/2013 08:36:05 AM)
5	9	1.0	333.0	Yes	5493.0MHz, -63.0dBm	Hop sequence: 5598, 5568, 5653, 5445, 5671, 5496, 5424, 5308, 5349, 5706, 5263, 5493, 5579, 5273, 5315, 5347, 5646, 5684, 5602, 5282, 5413, 5607, 5436, 5707, 5339, 5686, 5474, 5470, 5521, 5462, 5714, 5272, 5543, 5290, 5705, 5651, 5361, 5264, 5527, 5690, 5717, 5511, 5251, 5586, 5548, 5478, 5403, 5258, 5702, 5722, 5497, 5590, 5509, 5723, 5373, 5674, 5614, 5352, 5528, 5331, 5482, 5535, 5628, 5461, 5271, 5718, 5316, 5449, 5599, 5515, 5309, 5404, 5274, 5488, 5553, 5499, 5611, 5254, 5549, 5427, 5513, 5627, 5560, 5438, 5295, 5287, 5678, 5575, 5715, 5512, 5440, 5409, 5620, 5523, 5667, 5647, 5484, 5425, 5345, 5305 (5 hits) (02/01/2013 08:36:14 AM)
6	9	1.0	333.0	Yes	5494.0MHz, -63.0dBm	Hop sequence: 5458, 5686, 5519, 5540, 5673, 5696, 5635, 5314, 5279, 5499, 5701, 5689, 5692, 5614, 5527, 5704, 5634, 5711, 5548, 5549, 5535, 5489, 5449, 5620, 5672, 5546, 5566, 5536, 5583, 5598, 5381, 5557, 5463, 5501, 5426, 5641, 5310, 5425, 5323, 5401, 5725, 5720, 5389, 5272, 5261, 5585, 5414, 5256, 5378, 5723, 5684, 5722, 5380, 5702, 5252, 5561, 5318, 5312, 5714, 5399, 5436, 5571, 5639, 5337, 5555, 5604, 5421, 5591, 5479, 5718, 5528, 5267, 5530, 5688, 5590, 5558, 5455, 5329, 5721, 5475, 5485, 5339, 5302, 5308, 5707, 5340, 5269, 5695, 5676, 5268, 5705, 5264, 5468, 5593, 5360, 5660, 5687, 5675, 5456, 5406 (2 hits) (02/01/2013 08:36:22 AM)

Table 78 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
7	9	1.0	333.0	Yes	5495.0MHz, -63.0dBm	Hop sequence: 5539, 5629, 5481, 5592, 5356, 5639, 5328, 5381, 5320, 5668, 5498, 5554, 5429, 5588, 5555, 5389, 5698, 5468, 5499, 5659, 5532, 5694, 5327, 5606, 5484, 5702, 5360, 5434, 5309, 5402, 5549, 5371, 5421, 5585, 5576, 5542, 5638, 5374, 5427, 5657, 5709, 5644, 5301, 5633, 5707, 5721, 5411, 5552, 5682, 5412, 5706, 5433, 5646, 5456, 5366, 5401, 5635, 5577, 5589, 5531, 5618, 5609, 5298, 5285, 5430, 5565, 5467, 5405, 5675, 5681, 5524, 5446, 5437, 5544, 5364, 5579, 5355, 5329, 5529, 5713, 5283, 5720, 5439, 5517, 5596, 5692, 5667, 5289, 5461, 5302, 5303, 5322, 5723, 5631, 5640, 5567, 5279, 5257, 5330, 5495 (3 hits) (02/01/2013 08:36:30 AM)
8	9	1.0	333.0	Yes	5496.0MHz, -63.0dBm	Hop sequence: 5698, 5271, 5652, 5544, 5610, 5629, 5285, 5304, 5298, 5622, 5470, 5602, 5334, 5581, 5351, 5614, 5501, 5718, 5716, 5310, 5571, 5350, 5619, 5434, 5272, 5314, 5382, 5634, 5708, 5702, 5343, 5601, 5555, 5445, 5538, 5277, 5535, 5635, 5253, 5473, 5675, 5664, 5668, 5516, 5251, 5333, 5643, 5597, 5365, 5303, 5676, 5572, 5671, 5584, 5370, 5481, 5523, 5440, 5376, 5583, 5657, 5401, 5345, 5617, 5548, 5700, 5552, 5430, 5490, 5726, 5381, 5720, 5255, 5517, 5460, 5377, 5379, 5557, 5699, 5386, 5397, 5299, 5477, 5269, 5258, 5469, 5714, 5254, 5620, 5599, 5573, 5596, 5630, 5498, 5346, 5354, 5322, 5688, 5353, 5713 (2 hits) (02/01/2013 08:36:38 AM)
9	9	1.0	333.0	Yes	5497.0MHz, -63.0dBm	Hop sequence: 5593, 5501, 5283, 5647, 5667, 5253, 5328, 5625, 5607, 5387, 5725, 5391, 5699, 5634, 5467, 5341, 5665, 5641, 5610, 5556, 5429, 5438, 5638, 5477, 5527, 5621, 5436, 5598, 5569, 5442, 5663, 5517, 5557, 5573, 5323, 5284, 5412, 5312, 5652, 5488, 5654, 5502, 5655, 5645, 5656, 5574, 5716, 5494, 5577, 5461, 5643, 5273, 5296,

Table 78 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5547, 5493, 5666, 5372, 5542, 5584, 5692, 5426, 5381, 5352, 5322, 5650, 5465, 5262, 5553, 5313, 5301, 5503, 5252, 5433, 5376, 5455, 5464, 5360, 5343, 5512, 5555, 5712, 5260, 5680, 5554, 5535, 5560, 5506, 5528, 5558, 5572, 5611, 5681, 5523, 5317, 5675, 5413, 5277, 5565, 5463, 5583 (6 hits) (02/01/2013 08:36:46 AM)
10	9	1.0	333.0	Yes	5498.0MHz, -63.0dBm	Hop sequence: 5318, 5449, 5668, 5622, 5255, 5478, 5342, 5594, 5551, 5373, 5253, 5498, 5557, 5510, 5344, 5256, 5671, 5643, 5515, 5588, 5407, 5341, 5682, 5480, 5361, 5258, 5273, 5650, 5612, 5592, 5368, 5513, 5558, 5512, 5429, 5471, 5698, 5420, 5564, 5638, 5374, 5489, 5383, 5460, 5587, 5621, 5482, 5690, 5254, 5715, 5431, 5527, 5561, 5397, 5466, 5599, 5435, 5312, 5371, 5597, 5533, 5700, 5288, 5378, 5724, 5663, 5536, 5718, 5338, 5654, 5393, 5538, 5332, 5310, 5372, 5595, 5300, 5304, 5596, 5680, 5707, 5517, 5257, 5688, 5355, 5563, 5684, 5327, 5486, 5583, 5409, 5576, 5655, 5657, 5646, 5267, 5388, 5380, 5635, 5721 (1 hits) (02/01/2013 08:36:54 AM)
11	9	1.0	333.0	Yes	5499.0MHz, -63.0dBm	Hop sequence: 5485, 5362, 5318, 5671, 5261, 5371, 5422, 5585, 5719, 5311, 5429, 5512, 5306, 5339, 5298, 5332, 5338, 5442, 5508, 5477, 5494, 5571, 5646, 5483, 5680, 5290, 5406, 5403, 5446, 5493, 5701, 5300, 5589, 5399, 5479, 5335, 5363, 5613, 5367, 5334, 5372, 5425, 5668, 5285, 5381, 5702, 5270, 5263, 5711, 5309, 5430, 5413, 5288, 5724, 5632, 5625, 5506, 5322, 5495, 5656, 5608, 5638, 5423, 5593, 5692, 5681, 5439, 5538, 5337, 5387, 5268, 5250, 5323, 5531, 5710, 5643, 5450, 5308, 5501, 5414, 5441, 5641, 5562, 5390, 5535, 5684, 5402, 5262, 5343, 5567, 5412, 5482, 5326, 5341, 5545, 5500, 5253, 5676, 5370, 5497 (8 hits) (02/01/2013 08:37:03 AM)

Table 78 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
12	9	1.0	333.0	Yes	5500.0MHz, -63.0dBm	Hop sequence: 5683, 5660, 5361, 5390, 5623, 5254, 5428, 5691, 5586, 5380, 5725, 5354, 5585, 5321, 5632, 5373, 5393, 5664, 5704, 5343, 5661, 5696, 5364, 5602, 5492, 5458, 5720, 5394, 5388, 5614, 5309, 5272, 5407, 5521, 5544, 5481, 5401, 5289, 5447, 5488, 5611, 5385, 5277, 5498, 5639, 5286, 5409, 5294, 5667, 5374, 5642, 5547, 5690, 5474, 5387, 5366, 5422, 5414, 5468, 5624, 5490, 5699, 5659, 5437, 5688, 5278, 5423, 5287, 5592, 5516, 5644, 5536, 5276, 5274, 5293, 5630, 5434, 5310, 5279, 5501, 5300, 5589, 5275, 5651, 5465, 5512, 5332, 5670, 5334, 5378, 5436, 5420, 5295, 5527, 5519, 5386, 5398, 5529, 5383, 5267 (3 hits) (02/01/2013 08:37:12 AM)
13	9	1.0	333.0	Yes	5501.0MHz, -63.0dBm	Hop sequence: 5709, 5493, 5523, 5348, 5565, 5319, 5269, 5481, 5394, 5456, 5266, 5297, 5607, 5562, 5549, 5496, 5710, 5462, 5414, 5691, 5448, 5664, 5447, 5318, 5630, 5359, 5635, 5346, 5613, 5708, 5685, 5412, 5561, 5513, 5410, 5490, 5261, 5485, 5495, 5300, 5278, 5541, 5483, 5381, 5470, 5583, 5701, 5434, 5451, 5333, 5275, 5623, 5568, 5469, 5717, 5342, 5363, 5427, 5584, 5558, 5339, 5316, 5287, 5317, 5705, 5332, 5505, 5509, 5464, 5649, 5259, 5715, 5302, 5575, 5291, 5527, 5465, 5604, 5591, 5636, 5517, 5254, 5595, 5406, 5569, 5609, 5544, 5403, 5521, 5446, 5668, 5299, 5647, 5398, 5550, 5457, 5422, 5653, 5498, 5679 (6 hits) (02/01/2013 08:37:24 AM)
14	9	1.0	333.0	Yes	5502.0MHz, -63.0dBm	Hop sequence: 5375, 5581, 5710, 5259, 5346, 5504, 5639, 5447, 5406, 5299, 5712, 5318, 5643, 5564, 5630, 5393, 5483, 5618, 5704, 5405, 5675, 5671, 5498, 5513, 5604, 5396, 5422, 5478, 5492, 5628, 5561, 5601, 5693, 5610, 5438, 5529, 5715, 5616, 5705, 5446, 5495, 5557, 5482, 5325, 5377, 5460, 5635, 5535, 5722, 5456, 5341, 5547, 5586,

Table 78 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5382, 5723, 5718, 5641, 5476, 5663, 5583, 5267, 5412, 5317, 5463, 5578, 5525, 5465, 5548, 5277, 5574, 5431, 5677, 5348, 5286, 5721, 5509, 5539, 5479, 5662, 5466, 5368, 5254, 5653, 5501, 5429, 5694, 5343, 5441, 5516, 5471, 5554, 5562, 5474, 5262, 5680, 5380, 5338, 5462, 5609, 5629 (6 hits) (02/01/2013 08:37:46 AM)
15	9	1.0	333.0	Yes	5503.0MHz, -63.0dBm	Hop sequence: 5548, 5725, 5294, 5599, 5490, 5520, 5686, 5721, 5692, 5627, 5443, 5455, 5276, 5716, 5681, 5325, 5377, 5528, 5560, 5718, 5307, 5418, 5633, 5278, 5468, 5506, 5563, 5423, 5570, 5398, 5543, 5385, 5673, 5392, 5402, 5688, 5545, 5493, 5552, 5622, 5670, 5707, 5585, 5434, 5442, 5428, 5645, 5339, 5578, 5487, 5427, 5334, 5690, 5272, 5406, 5415, 5685, 5697, 5562, 5702, 5469, 5416, 5489, 5422, 5534, 5317, 5598, 5309, 5362, 5444, 5457, 5629, 5655, 5299, 5488, 5256, 5266, 5450, 5264, 5649, 5544, 5342, 5617, 5579, 5411, 5723, 5568, 5699, 5437, 5448, 5432, 5663, 5496, 5454, 5701, 5316, 5300, 5331, 5647, 5458 (3 hits) (02/01/2013 08:38:12 AM)
16	9	1.0	333.0	Yes	5504.0MHz, -63.0dBm	Hop sequence: 5536, 5686, 5423, 5385, 5310, 5411, 5542, 5488, 5256, 5387, 5479, 5530, 5680, 5481, 5286, 5538, 5608, 5301, 5670, 5461, 5687, 5475, 5615, 5552, 5616, 5522, 5309, 5712, 5557, 5319, 5553, 5473, 5693, 5537, 5400, 5580, 5386, 5476, 5594, 5295, 5563, 5480, 5564, 5431, 5418, 5535, 5343, 5519, 5527, 5331, 5342, 5567, 5501, 5428, 5435, 5316, 5597, 5277, 5350, 5558, 5656, 5352, 5340, 5664, 5593, 5412, 5262, 5566, 5362, 5449, 5328, 5333, 5647, 5436, 5639, 5529, 5258, 5572, 5539, 5621, 5677, 5574, 5717, 5358, 5454, 5643, 5638, 5351, 5673, 5409, 5607, 5338, 5376, 5499, 5689, 5345, 5634, 5361, 5401, 5565 (2 hits) (02/01/2013 08:38:25 AM)

Table 78 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
17	9	1.0	333.0	Yes	5505.0MHz, -63.0dBm	Hop sequence: 5522, 5692, 5355, 5535, 5350, 5258, 5723, 5550, 5276, 5374, 5595, 5390, 5509, 5499, 5452, 5498, 5495, 5504, 5591, 5439, 5282, 5353, 5589, 5511, 5537, 5383, 5622, 5483, 5357, 5437, 5486, 5316, 5611, 5698, 5702, 5424, 5430, 5672, 5696, 5590, 5387, 5686, 5665, 5290, 5392, 5588, 5513, 5674, 5423, 5291, 5681, 5604, 5505, 5632, 5255, 5722, 5582, 5476, 5375, 5600, 5662, 5264, 5381, 5451, 5562, 5605, 5306, 5474, 5419, 5683, 5457, 5525, 5391, 5557, 5527, 5718, 5648, 5561, 5455, 5593, 5251, 5602, 5281, 5656, 5340, 5425, 5544, 5705, 5289, 5661, 5356, 5617, 5507, 5300, 5542, 5710, 5382, 5657, 5420, 5315 (7 hits) (02/01/2013 08:38:42 AM)
18	9	1.0	333.0	Yes	5506.0MHz, -63.0dBm	Hop sequence: 5292, 5341, 5702, 5286, 5636, 5648, 5687, 5690, 5272, 5495, 5397, 5490, 5413, 5353, 5358, 5291, 5473, 5312, 5615, 5587, 5511, 5605, 5651, 5340, 5662, 5693, 5703, 5567, 5377, 5454, 5425, 5553, 5483, 5667, 5375, 5541, 5262, 5414, 5368, 5506, 5546, 5296, 5688, 5585, 5566, 5328, 5598, 5536, 5654, 5602, 5349, 5535, 5595, 5661, 5381, 5538, 5544, 5293, 5593, 5468, 5396, 5655, 5257, 5622, 5713, 5596, 5668, 5603, 5504, 5371, 5500, 5304, 5343, 5285, 5265, 5674, 5501, 5617, 5557, 5516, 5334, 5439, 5543, 5417, 5424, 5432, 5550, 5362, 5630, 5407, 5580, 5675, 5677, 5563, 5337, 5515, 5351, 5320, 5720, 5680 (5 hits) (02/01/2013 08:38:49 AM)
19	9	1.0	333.0	Yes	5507.0MHz, -63.0dBm	Hop sequence: 5451, 5337, 5484, 5588, 5435, 5582, 5431, 5480, 5407, 5419, 5470, 5378, 5558, 5687, 5403, 5673, 5379, 5442, 5604, 5430, 5257, 5670, 5626, 5380, 5398, 5534, 5482, 5661, 5589, 5606, 5318, 5642, 5292, 5486, 5418, 5630, 5574, 5465, 5385, 5390, 5612, 5722, 5549, 5365, 5395, 5481, 5368, 5384, 5278, 5652, 5454, 5473, 5392,

Table 78 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5568, 5409, 5701, 5386, 5616, 5432, 5343, 5284, 5529, 5627, 5472, 5487, 5718, 5685, 5272, 5391, 5399, 5683, 5724, 5576, 5688, 5389, 5410, 5437, 5412, 5584, 5503, 5563, 5720, 5260, 5476, 5686, 5598, 5449, 5605, 5258, 5514, 5575, 5669, 5697, 5564, 5330, 5638, 5462, 5347, 5401, 5436 (1 hits) (02/01/2013 08:38:57 AM)
20	9	1.0	333.0	Yes	5508.0MHz, -63.0dBm	Hop sequence: 5483, 5529, 5434, 5470, 5569, 5647, 5374, 5414, 5285, 5646, 5619, 5362, 5586, 5602, 5442, 5360, 5601, 5440, 5684, 5480, 5357, 5629, 5669, 5488, 5428, 5398, 5386, 5726, 5611, 5623, 5452, 5598, 5350, 5343, 5326, 5561, 5724, 5526, 5407, 5441, 5293, 5257, 5618, 5376, 5489, 5482, 5385, 5651, 5410, 5540, 5479, 5368, 5664, 5271, 5711, 5276, 5273, 5367, 5501, 5632, 5262, 5351, 5608, 5433, 5373, 5527, 5305, 5705, 5592, 5517, 5355, 5677, 5644, 5596, 5516, 5439, 5282, 5493, 5302, 5405, 5700, 5715, 5606, 5314, 5476, 5599, 5280, 5256, 5595, 5699, 5638, 5359, 5508, 5634, 5437, 5272, 5571, 5348, 5264, 5413 (3 hits) (02/01/2013 08:39:18 AM)
21	9	1.0	333.0	Yes	5509.0MHz, -63.0dBm	Hop sequence: 5628, 5326, 5488, 5254, 5578, 5526, 5257, 5316, 5648, 5617, 5718, 5342, 5338, 5569, 5492, 5340, 5466, 5387, 5673, 5309, 5281, 5523, 5261, 5297, 5542, 5682, 5469, 5724, 5726, 5508, 5607, 5353, 5519, 5662, 5437, 5701, 5661, 5344, 5564, 5287, 5668, 5359, 5421, 5356, 5396, 5312, 5563, 5715, 5655, 5618, 5527, 5399, 5485, 5318, 5559, 5384, 5343, 5507, 5414, 5705, 5697, 5546, 5712, 5432, 5642, 5376, 5269, 5470, 5709, 5487, 5301, 5327, 5265, 5464, 5560, 5529, 5650, 5305, 5409, 5441, 5426, 5413, 5723, 5537, 5388, 5632, 5566, 5577, 5444, 5260, 5478, 5357, 5552, 5401, 5438, 5394, 5611, 5657, 5685, 5696 (3 hits) (02/01/2013 08:39:26 AM)

Table 78 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
22	9	1.0	333.0	Yes	5491.0MHz, -63.0dBm	Hop sequence: 5556, 5551, 5358, 5480, 5572, 5685, 5452, 5283, 5623, 5638, 5277, 5385, 5398, 5267, 5701, 5642, 5652, 5689, 5502, 5546, 5698, 5576, 5328, 5341, 5409, 5690, 5503, 5386, 5597, 5419, 5511, 5679, 5578, 5332, 5593, 5371, 5276, 5321, 5408, 5355, 5263, 5579, 5699, 5563, 5443, 5637, 5414, 5253, 5418, 5259, 5559, 5632, 5580, 5287, 5342, 5494, 5504, 5260, 5673, 5644, 5352, 5663, 5417, 5700, 5356, 5258, 5570, 5670, 5329, 5323, 5475, 5720, 5292, 5315, 5406, 5594, 5426, 5431, 5449, 5675, 5513, 5543, 5272, 5557, 5708, 5376, 5687, 5724, 5613, 5601, 5387, 5492, 5643, 5442, 5257, 5343, 5293, 5726, 5397, 5489 (5 hits) (02/01/2013 08:39:38 AM)
23	9	1.0	333.0	Yes	5492.0MHz, -63.0dBm	Hop sequence: 5642, 5495, 5500, 5277, 5552, 5669, 5706, 5717, 5461, 5448, 5361, 5694, 5267, 5571, 5691, 5330, 5665, 5402, 5712, 5619, 5396, 5581, 5701, 5469, 5370, 5257, 5383, 5526, 5294, 5607, 5589, 5639, 5647, 5459, 5297, 5591, 5529, 5324, 5586, 5386, 5724, 5363, 5296, 5518, 5653, 5424, 5389, 5374, 5388, 5515, 5680, 5465, 5468, 5444, 5252, 5632, 5658, 5549, 5295, 5372, 5564, 5471, 5575, 5258, 5286, 5511, 5568, 5274, 5650, 5368, 5466, 5392, 5300, 5560, 5641, 5281, 5676, 5634, 5523, 5429, 5601, 5524, 5625, 5603, 5551, 5310, 5670, 5652, 5507, 5376, 5585, 5255, 5664, 5264, 5306, 5716, 5322, 5490, 5279, 5708 (3 hits) (02/01/2013 08:39:48 AM)
24	9	1.0	333.0	Yes	5493.0MHz, -63.0dBm	Hop sequence: 5279, 5592, 5322, 5490, 5494, 5555, 5323, 5517, 5680, 5260, 5600, 5498, 5466, 5267, 5552, 5568, 5363, 5361, 5258, 5474, 5628, 5520, 5711, 5252, 5575, 5503, 5378, 5347, 5396, 5397, 5513, 5535, 5574, 5330, 5564, 5666, 5549, 5699, 5617, 5515, 5253, 5570, 5429, 5349, 5268, 5477, 5561, 5624, 5544, 5691, 5514, 5354, 5255,

Table 78 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5462, 5701, 5398, 5442, 5404, 5543, 5567, 5505, 5674, 5367, 5654, 5457, 5669, 5664, 5542, 5605, 5603, 5386, 5287, 5557, 5644, 5523, 5607, 5463, 5448, 5720, 5692, 5719, 5497, 5357, 5482, 5597, 5383, 5577, 5439, 5496, 5276, 5289, 5426, 5548, 5643, 5283, 5257, 5587, 5545, 5502, 5445 (7 hits) (02/01/2013 08:39:57 AM)
25	9	1.0	333.0	Yes	5494.0MHz, -63.0dBm	Hop sequence: 5573, 5685, 5272, 5425, 5471, 5534, 5282, 5505, 5457, 5324, 5554, 5723, 5321, 5415, 5616, 5329, 5435, 5255, 5488, 5297, 5705, 5620, 5346, 5305, 5569, 5422, 5460, 5467, 5401, 5466, 5674, 5551, 5497, 5472, 5365, 5447, 5380, 5398, 5288, 5633, 5453, 5712, 5680, 5651, 5501, 5560, 5617, 5552, 5333, 5284, 5355, 5325, 5458, 5296, 5485, 5642, 5600, 5274, 5330, 5638, 5265, 5412, 5550, 5482, 5389, 5461, 5397, 5719, 5267, 5629, 5374, 5498, 5572, 5570, 5500, 5270, 5671, 5367, 5308, 5623, 5254, 5487, 5413, 5294, 5589, 5322, 5676, 5495, 5690, 5259, 5250, 5664, 5632, 5275, 5478, 5343, 5526, 5459, 5400, 5455 (6 hits) (02/01/2013 08:40:07 AM)
26	9	1.0	333.0	Yes	5495.0MHz, -63.0dBm	Hop sequence: 5612, 5495, 5355, 5417, 5428, 5639, 5264, 5352, 5610, 5631, 5434, 5406, 5539, 5303, 5370, 5516, 5377, 5369, 5521, 5592, 5714, 5350, 5527, 5662, 5663, 5462, 5636, 5501, 5534, 5522, 5409, 5486, 5720, 5660, 5376, 5447, 5722, 5646, 5379, 5378, 5497, 5641, 5288, 5294, 5364, 5500, 5674, 5374, 5358, 5591, 5566, 5585, 5367, 5630, 5382, 5390, 5416, 5309, 5594, 5263, 5682, 5618, 5423, 5690, 5571, 5267, 5331, 5606, 5463, 5337, 5261, 5668, 5511, 5383, 5330, 5342, 5332, 5459, 5321, 5719, 5260, 5292, 5564, 5622, 5676, 5553, 5316, 5278, 5492, 5283, 5439, 5412, 5488, 5499, 5470, 5706, 5502, 5394, 5515, 5561 (7 hits) (02/01/2013 08:40:16 AM)

Table 78 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
27	9	1.0	333.0	Yes	5496.0MHz, -63.0dBm	Hop sequence: 5529, 5294, 5554, 5549, 5433, 5351, 5259, 5300, 5591, 5344, 5460, 5269, 5556, 5499, 5299, 5386, 5348, 5452, 5413, 5708, 5405, 5400, 5480, 5426, 5298, 5444, 5510, 5370, 5628, 5580, 5521, 5489, 5409, 5694, 5675, 5490, 5514, 5252, 5678, 5464, 5623, 5373, 5287, 5457, 5725, 5266, 5329, 5324, 5366, 5634, 5558, 5620, 5495, 5508, 5686, 5562, 5273, 5721, 5723, 5340, 5626, 5251, 5342, 5425, 5278, 5604, 5585, 5406, 5262, 5517, 5534, 5596, 5380, 5402, 5606, 5493, 5441, 5635, 5644, 5353, 5640, 5375, 5617, 5414, 5543, 5568, 5323, 5257, 5714, 5336, 5509, 5437, 5388, 5712, 5699, 5330, 5530, 5636, 5682, 5320 (5 hits) (02/01/2013 08:40:43 AM)
28	9	1.0	333.0	Yes	5497.0MHz, -63.0dBm	Hop sequence: 5434, 5428, 5496, 5500, 5438, 5555, 5700, 5526, 5421, 5383, 5608, 5521, 5569, 5693, 5380, 5342, 5305, 5297, 5314, 5567, 5512, 5284, 5420, 5441, 5631, 5460, 5255, 5554, 5570, 5684, 5263, 5384, 5285, 5601, 5706, 5642, 5430, 5564, 5626, 5682, 5364, 5538, 5522, 5647, 5354, 5571, 5656, 5695, 5724, 5261, 5509, 5360, 5432, 5451, 5418, 5287, 5619, 5719, 5523, 5374, 5499, 5636, 5311, 5479, 5516, 5671, 5623, 5584, 5530, 5478, 5602, 5566, 5625, 5615, 5319, 5275, 5401, 5318, 5613, 5717, 5409, 5688, 5272, 5575, 5270, 5348, 5403, 5437, 5665, 5326, 5483, 5580, 5323, 5599, 5629, 5617, 5279, 5336, 5427, 5312 (4 hits) (02/01/2013 08:40:55 AM)
29	9	1.0	333.0	Yes	5498.0MHz, -63.0dBm	Hop sequence: 5341, 5313, 5591, 5518, 5686, 5677, 5340, 5416, 5477, 5326, 5705, 5509, 5716, 5609, 5281, 5602, 5293, 5695, 5647, 5452, 5617, 5703, 5674, 5303, 5432, 5273, 5488, 5691, 5666, 5433, 5337, 5550, 5554, 5260, 5499, 5378, 5515, 5318, 5492, 5263, 5377, 5537, 5652, 5344, 5415, 5683, 5323, 5690, 5532, 5479, 5573, 5523, 5288,

Table 78 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5623, 5306, 5289, 5359, 5486, 5696, 5402, 5423, 5629, 5653, 5634, 5565, 5538, 5322, 5316, 5490, 5468, 5702, 5542, 5253, 5274, 5718, 5336, 5298, 5354, 5295, 5475, 5531, 5411, 5592, 5618, 5384, 5430, 5440, 5701, 5425, 5367, 5549, 5276, 5606, 5496, 5553, 5685, 5391, 5529, 5644, 5527 (4 hits) (02/01/2013 08:41:05 AM)
30	9	1.0	333.0	Yes	5499.0MHz, -63.0dBm	Hop sequence: 5509, 5363, 5585, 5254, 5405, 5704, 5579, 5453, 5321, 5488, 5386, 5522, 5656, 5645, 5624, 5549, 5398, 5495, 5369, 5561, 5630, 5533, 5470, 5328, 5680, 5471, 5323, 5312, 5431, 5723, 5455, 5411, 5427, 5375, 5677, 5515, 5347, 5601, 5352, 5673, 5589, 5302, 5367, 5433, 5361, 5391, 5307, 5325, 5694, 5614, 5349, 5297, 5718, 5330, 5491, 5573, 5686, 5396, 5578, 5708, 5519, 5502, 5334, 5661, 5557, 5600, 5493, 5281, 5316, 5253, 5569, 5668, 5597, 5664, 5514, 5258, 5510, 5726, 5340, 5669, 5682, 5688, 5467, 5468, 5345, 5458, 5384, 5394, 5461, 5587, 5531, 5459, 5296, 5553, 5430, 5548, 5516, 5272, 5304, 5692 (5 hits) (02/01/2013 08:41:16 AM)
31	9	1.0	333.0	Yes	5500.0MHz, -63.0dBm	Hop sequence: 5310, 5576, 5628, 5343, 5577, 5571, 5610, 5649, 5499, 5679, 5321, 5430, 5461, 5338, 5584, 5309, 5409, 5349, 5600, 5420, 5444, 5426, 5562, 5464, 5446, 5358, 5634, 5540, 5347, 5252, 5387, 5484, 5670, 5346, 5676, 5582, 5286, 5660, 5403, 5546, 5524, 5400, 5531, 5287, 5687, 5277, 5597, 5325, 5306, 5621, 5468, 5452, 5311, 5642, 5289, 5611, 5308, 5666, 5438, 5462, 5509, 5317, 5543, 5356, 5588, 5578, 5709, 5662, 5680, 5675, 5604, 5663, 5415, 5519, 5633, 5443, 5593, 5664, 5396, 5388, 5554, 5596, 5341, 5315, 5357, 5691, 5699, 5595, 5312, 5292, 5320, 5439, 5422, 5268, 5435, 5612, 5367, 5585, 5598, 5701 (2 hits) (02/01/2013 08:41:24 AM)

Table 78 - FCC frequency hopping radar (Type 6) Results HT20

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
32	9	1.0	333.0	Yes	5501.0MHz, -63.0dBm	Hop sequence: 5424, 5533, 5491, 5482, 5359, 5306, 5335, 5345, 5357, 5577, 5641, 5523, 5644, 5721, 5675, 5674, 5527, 5591, 5446, 5375, 5549, 5601, 5524, 5311, 5687, 5421, 5417, 5587, 5693, 5282, 5492, 5274, 5536, 5336, 5522, 5459, 5268, 5539, 5519, 5706, 5669, 5286, 5595, 5365, 5691, 5259, 5480, 5546, 5395, 5392, 5467, 5425, 5664, 5262, 5407, 5397, 5500, 5632, 5653, 5273, 5256, 5356, 5525, 5346, 5697, 5612, 5718, 5408, 5481, 5383, 5323, 5510, 5386, 5486, 5719, 5331, 5672, 5634, 5590, 5503, 5264, 5581, 5369, 5712, 5288, 5621, 5485, 5362, 5554, 5281, 5301, 5291, 5439, 5355, 5547, 5580, 5434, 5458, 5449, 5630 (4 hits) (02/01/2013 08:41:39 AM)
33	9	1.0	333.0	Yes	5502.0MHz, -63.0dBm	Hop sequence: 5709, 5532, 5698, 5343, 5701, 5581, 5403, 5662, 5250, 5544, 5480, 5293, 5497, 5495, 5702, 5668, 5661, 5321, 5280, 5641, 5463, 5646, 5419, 5540, 5557, 5437, 5449, 5328, 5481, 5452, 5682, 5484, 5454, 5304, 5647, 5346, 5559, 5667, 5644, 5619, 5703, 5338, 5590, 5483, 5413, 5376, 5706, 5664, 5475, 5611, 5680, 5334, 5426, 5725, 5330, 5326, 5251, 5566, 5516, 5705, 5567, 5470, 5441, 5582, 5719, 5435, 5269, 5514, 5278, 5621, 5487, 5349, 5383, 5408, 5469, 5549, 5595, 5315, 5508, 5585, 5652, 5723, 5385, 5395, 5643, 5712, 5642, 5716, 5571, 5562, 5372, 5707, 5279, 5453, 5394, 5541, 5387, 5552, 5531, 5569 (3 hits) (02/01/2013 08:41:57 AM)
34	9	1.0	333.0	Yes	5503.0MHz, -63.0dBm	Hop sequence: 5388, 5324, 5675, 5598, 5425, 5469, 5696, 5609, 5257, 5626, 5297, 5383, 5319, 5660, 5500, 5644, 5298, 5687, 5565, 5677, 5553, 5574, 5571, 5461, 5478, 5616, 5444, 5314, 5568, 5612, 5401, 5719, 5479, 5648, 5495, 5480, 5543, 5460, 5504, 5518, 5389, 5508, 5672, 5613, 5711, 5532, 5555, 5330, 5283, 5477, 5251, 5446, 5310,

Table 78 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5360, 5547, 5402, 5688, 5551, 5434, 5689, 5658, 5700, 5363, 5451, 5329, 5366, 5384, 5705, 5631, 5315, 5271, 5431, 5253, 5630, 5447, 5470, 5579, 5305, 5399, 5473, 5410, 5318, 5663, 5270, 5499, 5582, 5589, 5514, 5524, 5387, 5570, 5339, 5634, 5645, 5488, 5686, 5357, 5340, 5650, 5443 (5 hits) (02/01/2013 08:42:06 AM)
35	9	1.0	333.0	Yes	5504.0MHz, -63.0dBm	Hop sequence: 5405, 5513, 5584, 5333, 5559, 5677, 5362, 5344, 5452, 5529, 5312, 5453, 5419, 5631, 5539, 5709, 5687, 5403, 5278, 5301, 5610, 5398, 5504, 5492, 5437, 5507, 5625, 5250, 5720, 5343, 5662, 5412, 5417, 5285, 5693, 5334, 5620, 5578, 5365, 5411, 5374, 5550, 5639, 5447, 5380, 5338, 5608, 5723, 5565, 5289, 5621, 5366, 5287, 5494, 5588, 5619, 5514, 5428, 5609, 5404, 5682, 5605, 5675, 5346, 5414, 5468, 5660, 5524, 5320, 5401, 5714, 5310, 5614, 5686, 5431, 5577, 5715, 5515, 5473, 5251, 5400, 5459, 5618, 5613, 5435, 5300, 5668, 5641, 5603, 5663, 5461, 5279, 5368, 5340, 5327, 5555, 5288, 5678, 5335, 5305 (4 hits) (02/01/2013 08:42:20 AM)
36	9	1.0	333.0	Yes	5505.0MHz, -63.0dBm	Hop sequence: 5676, 5373, 5674, 5467, 5613, 5608, 5571, 5516, 5359, 5522, 5291, 5665, 5269, 5586, 5559, 5584, 5599, 5462, 5690, 5279, 5472, 5299, 5585, 5663, 5701, 5545, 5496, 5267, 5484, 5544, 5430, 5405, 5495, 5333, 5439, 5376, 5253, 5717, 5385, 5656, 5666, 5337, 5327, 5721, 5566, 5555, 5409, 5622, 5549, 5634, 5432, 5417, 5575, 5334, 5502, 5411, 5723, 5349, 5453, 5517, 5514, 5590, 5494, 5538, 5652, 5318, 5576, 5290, 5475, 5314, 5365, 5568, 5611, 5311, 5670, 5712, 5667, 5428, 5649, 5345, 5520, 5710, 5725, 5366, 5464, 5531, 5367, 5513, 5506, 5427, 5564, 5519, 5465, 5714, 5707, 5598, 5552, 5448, 5596, 5493 (6 hits) (02/01/2013 08:42:29 AM)

Table 78 - FCC frequency hopping radar (Type 6) Results HT20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
37	9	1.0	333.0	Yes	5506.0MHz, -63.0dBm	Hop sequence: 5625, 5260, 5307, 5598, 5487, 5722, 5619, 5608, 5632, 5313, 5635, 5420, 5338, 5695, 5383, 5362, 5620, 5668, 5411, 5530, 5350, 5437, 5395, 5341, 5442, 5588, 5369, 5277, 5582, 5579, 5402, 5268, 5377, 5495, 5552, 5360, 5662, 5626, 5406, 5441, 5612, 5311, 5595, 5349, 5575, 5374, 5654, 5666, 5697, 5306, 5266, 5342, 5443, 5258, 5329, 5336, 5408, 5398, 5600, 5679, 5330, 5527, 5557, 5358, 5451, 5630, 5438, 5685, 5274, 5419, 5325, 5589, 5372, 5618, 5543, 5658, 5262, 5281, 5361, 5284, 5494, 5636, 5538, 5646, 5539, 5692, 5403, 5391, 5331, 5641, 5593, 5501, 5483, 5255, 5587, 5381, 5709, 5343, 5459, 5498 (4 hits) (02/01/2013 08:42:41 AM)
38	9	1.0	333.0	Yes	5507.0MHz, -63.0dBm	Hop sequence: 5486, 5453, 5265, 5368, 5305, 5684, 5587, 5411, 5562, 5720, 5504, 5642, 5291, 5491, 5396, 5577, 5455, 5596, 5412, 5289, 5634, 5257, 5429, 5598, 5576, 5721, 5269, 5433, 5664, 5526, 5637, 5426, 5623, 5301, 5456, 5663, 5401, 5277, 5672, 5498, 5316, 5466, 5609, 5723, 5618, 5423, 5482, 5558, 5338, 5410, 5510, 5432, 5376, 5387, 5641, 5512, 5430, 5290, 5714, 5407, 5352, 5698, 5651, 5400, 5280, 5561, 5399, 5459, 5527, 5715, 5251, 5670, 5285, 5654, 5391, 5588, 5605, 5650, 5601, 5713, 5283, 5693, 5585, 5687, 5481, 5675, 5711, 5531, 5712, 5683, 5528, 5570, 5397, 5564, 5358, 5347, 5276, 5569, 5424, 5665 (3 hits) (02/01/2013 08:42:51 AM)

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

Table 79 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 (20MHz BW)	0 ms	60 ms	0.097 s	10 s	Pass
Radar Type 5 (20 MHz BW)	0 ms	60 ms	-7.261 s	10 s	
Radar Type 1 (40MHz BW)	0 ms	60 ms	0.097 s	10 s	
Radar Type 5 (40 MHz BW)	0 ms	60 ms	-3.754 s	10 s	

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.

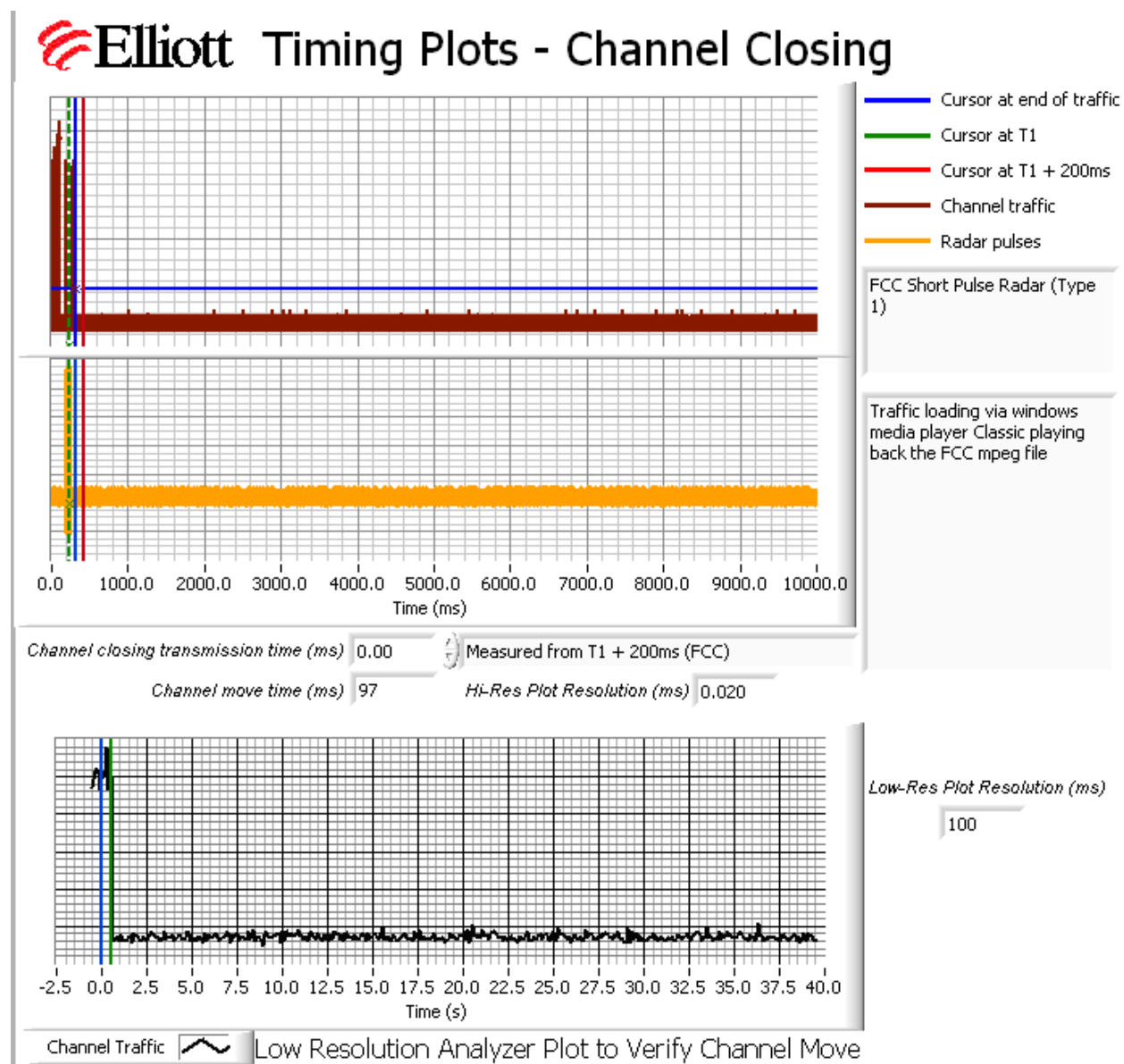
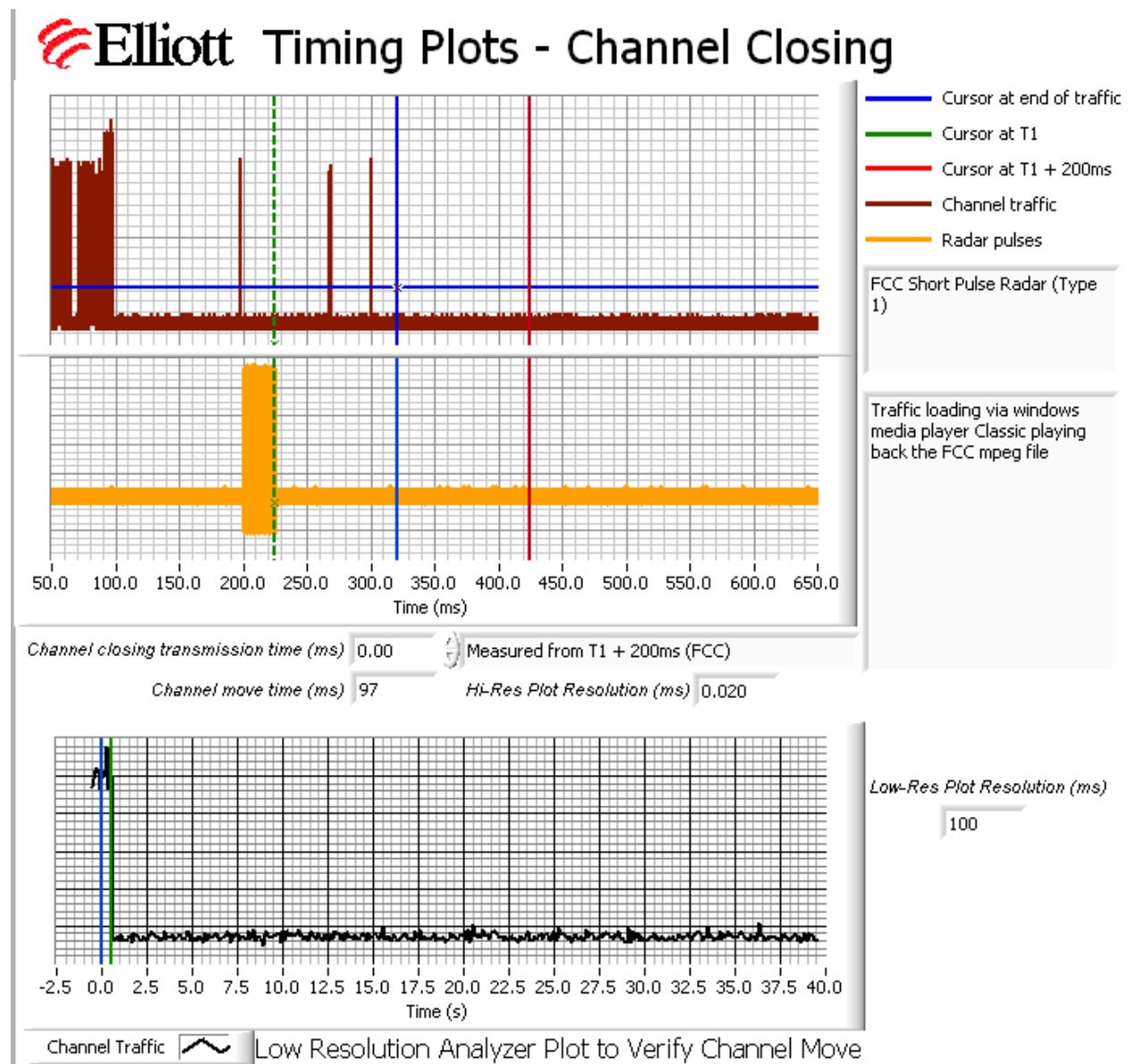
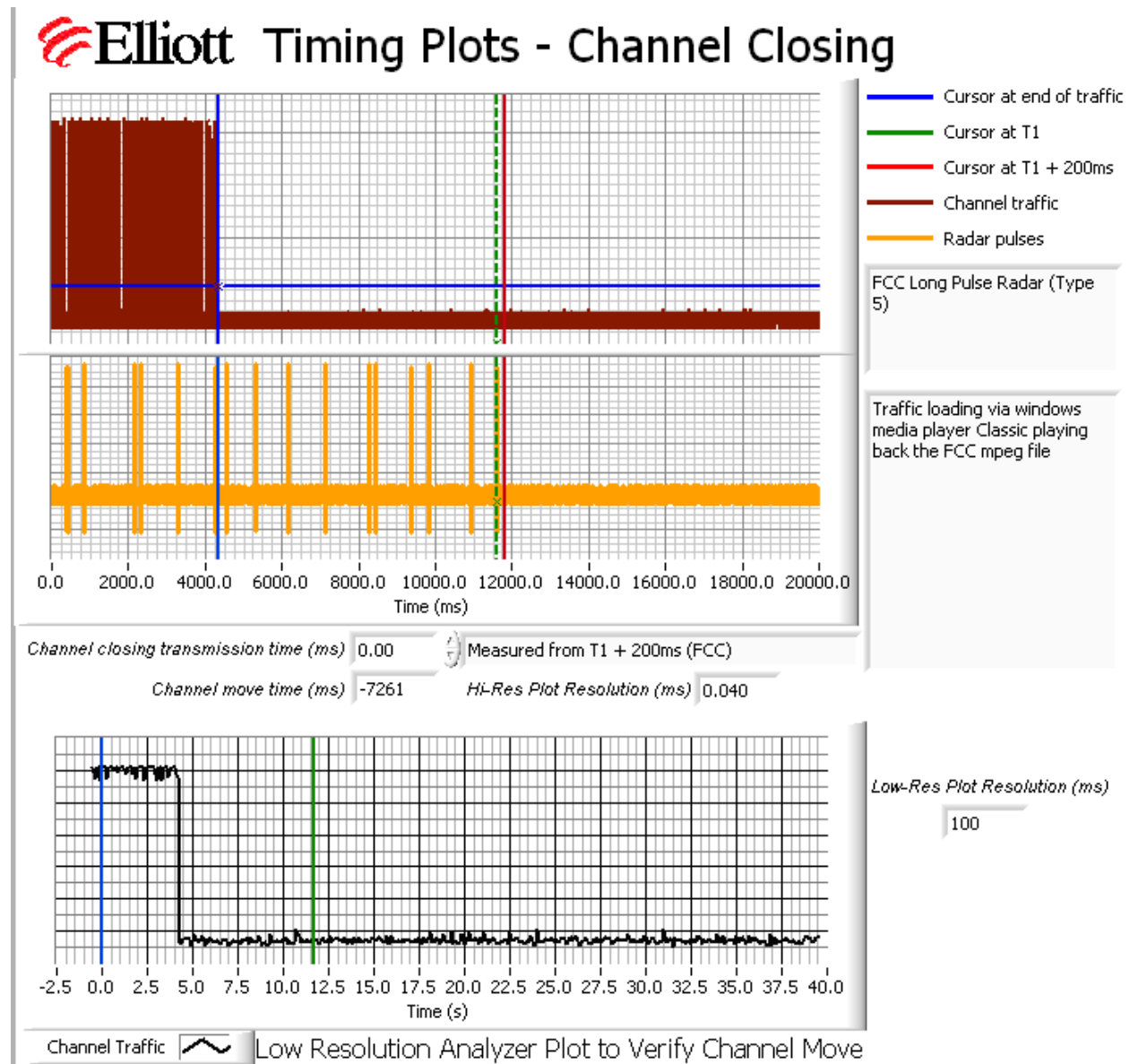


Figure 2 Channel Closing Time and Channel Move Time – 40 second plot, 20MHz BW

**Figure 3 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, 20MHz BW**

**Figure 4 Channel Closing Time and Channel Move Time – 40 second plot, 20MHz BW**

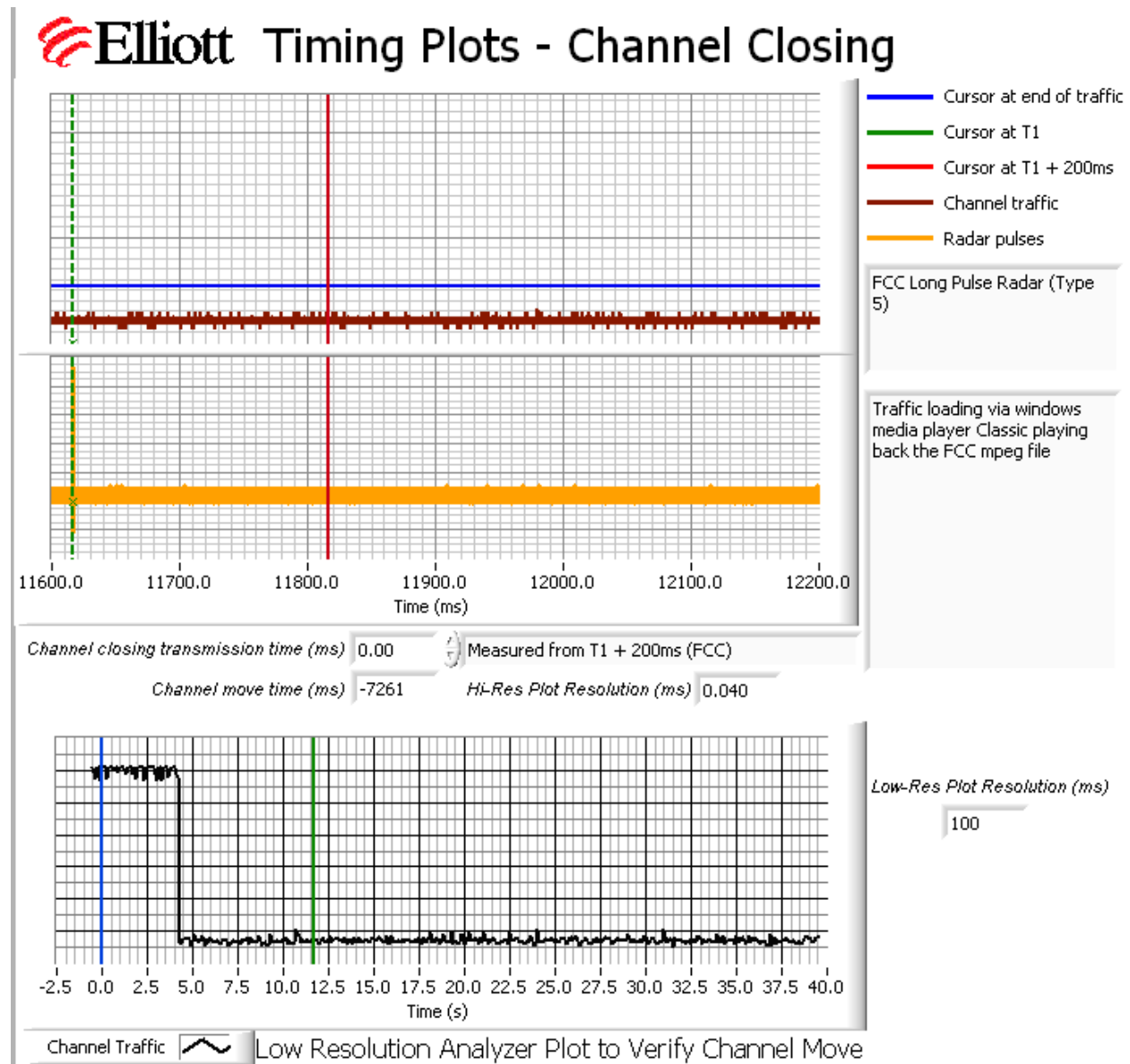
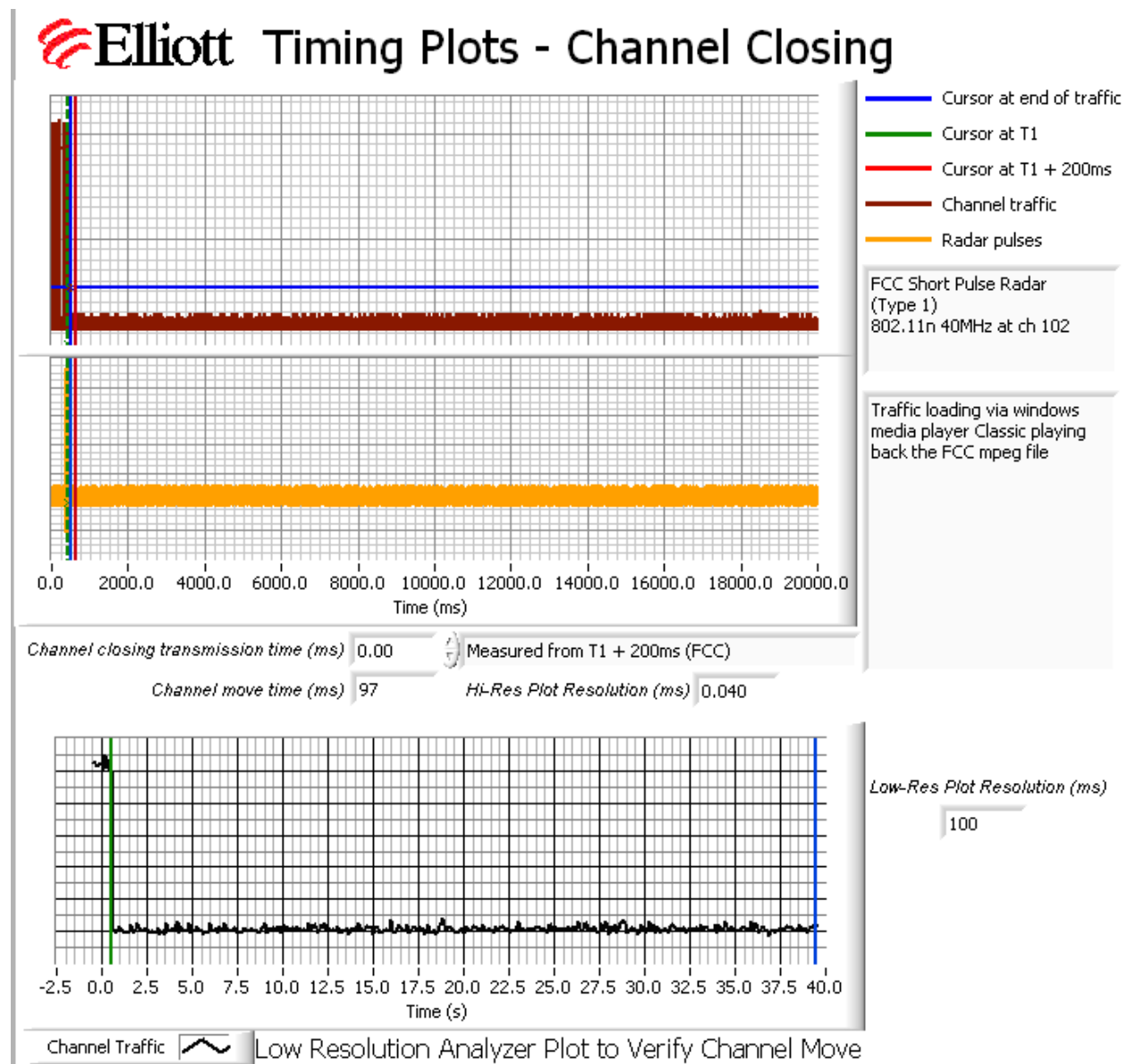
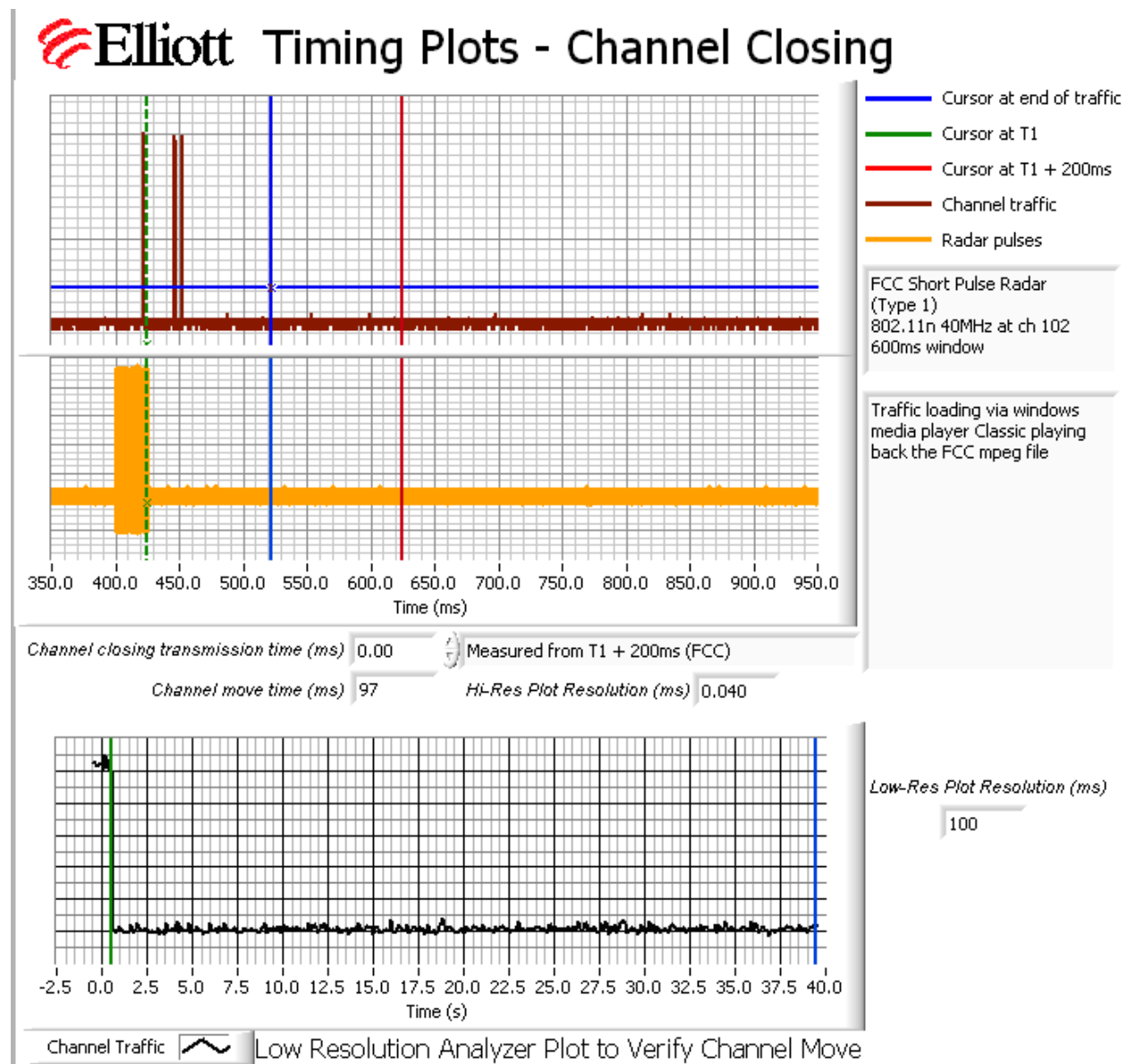


Figure 5 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, 20MHz BW

**Figure 6 Channel Closing Time and Channel Move Time – 40 second plot, 40MHz BW**

**Figure 7 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, 40MHz BW**

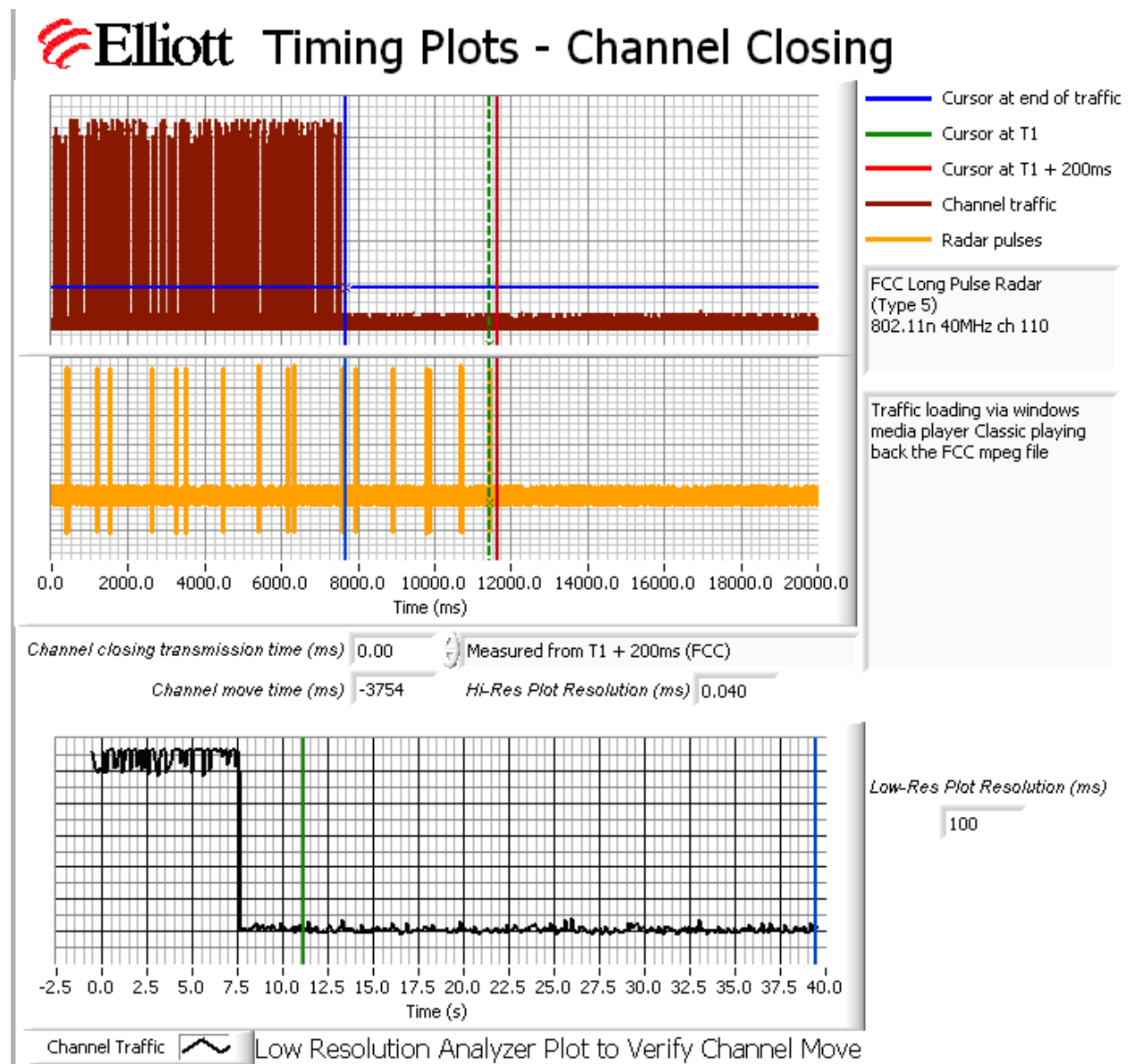
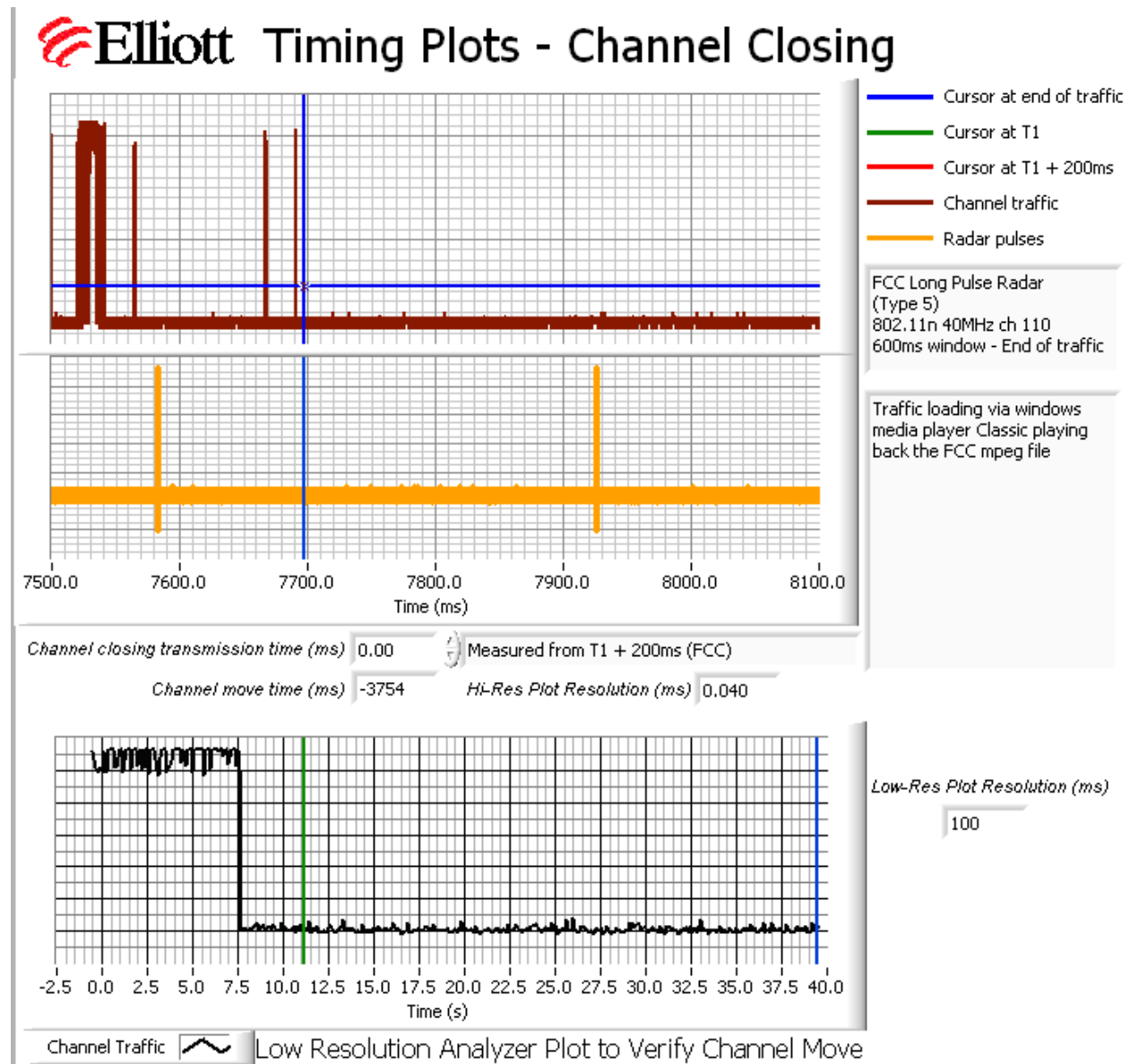


Figure 8 Channel Closing Time and Channel Move Time – 40 second plot, 40MHz BW

**Figure 9 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar, 40MHz BW**

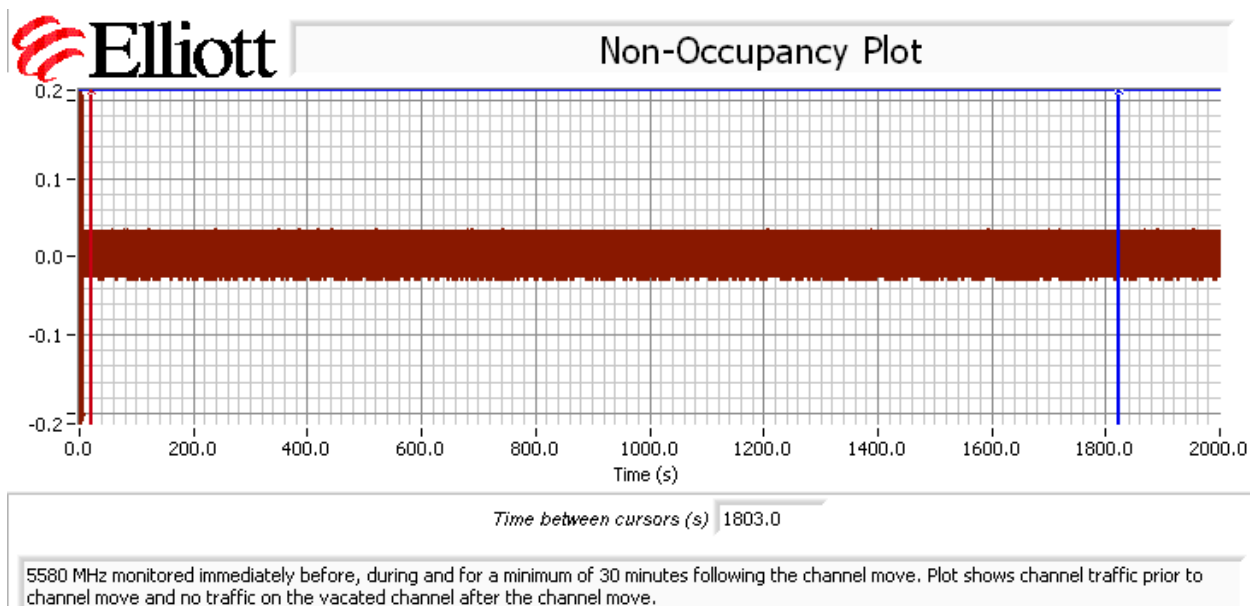


Figure 10 Radar Channel Non-Occupancy Plot, 20 MHz BW

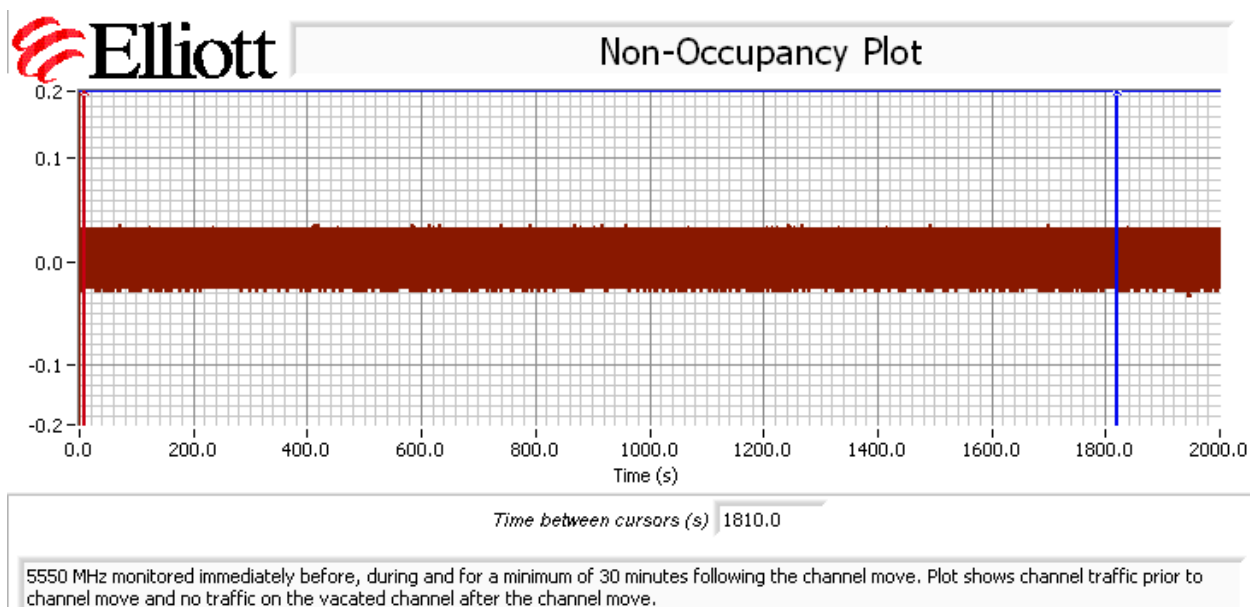


Figure 11 Radar Channel Non-Occupancy Plot, 40 MHz BW

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 forcing a channel change for 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.

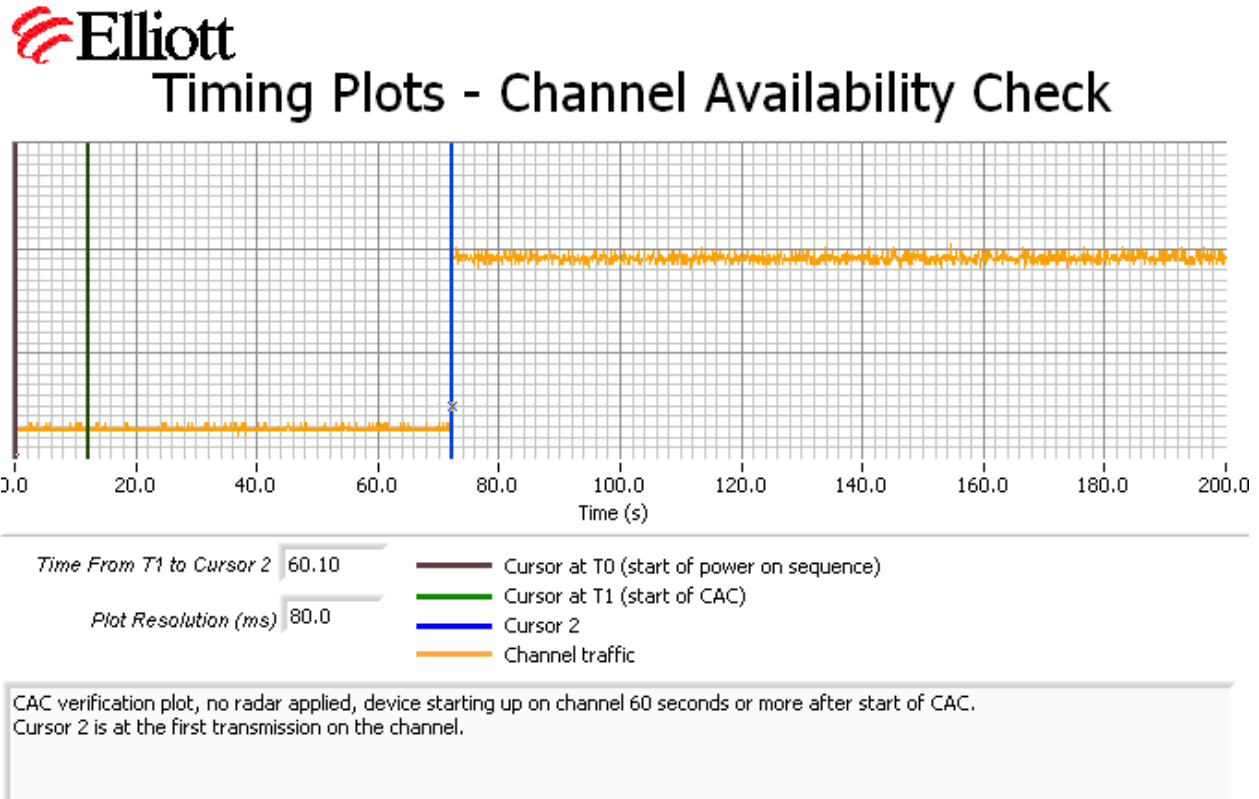


Figure 12 Plot of EUT Start-Up After CAC

The channel availability check (CAC) was made by applying type 1 radar during either the first 3 seconds or last 3 seconds of the CAC period.

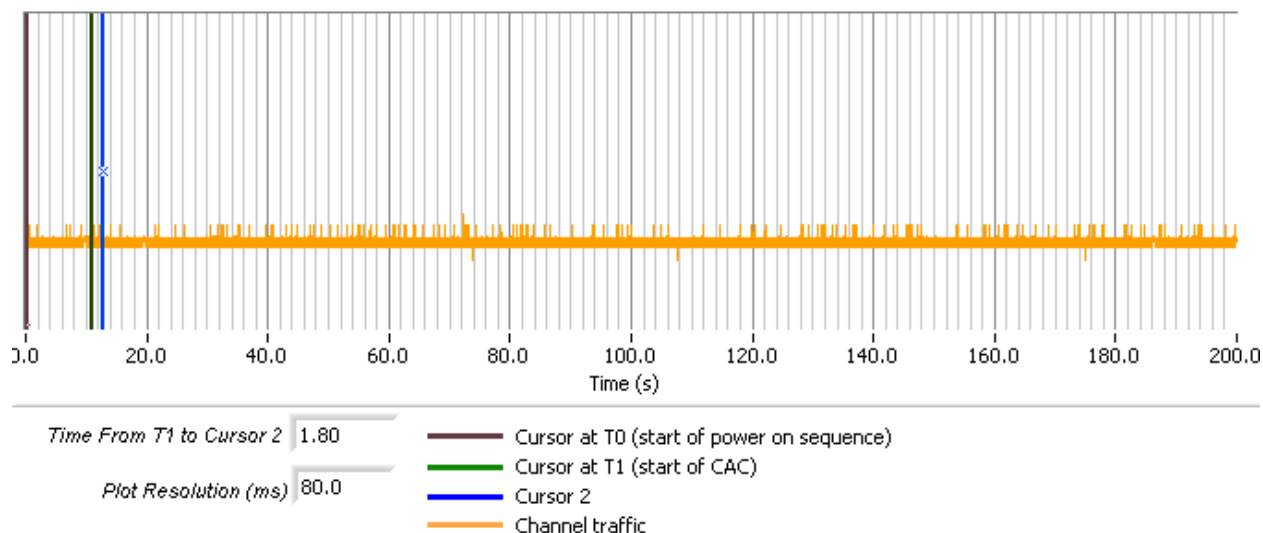
The level of the radar signal applied was -63dBm. Measurements were made on channel 140 (5700 MHz).

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

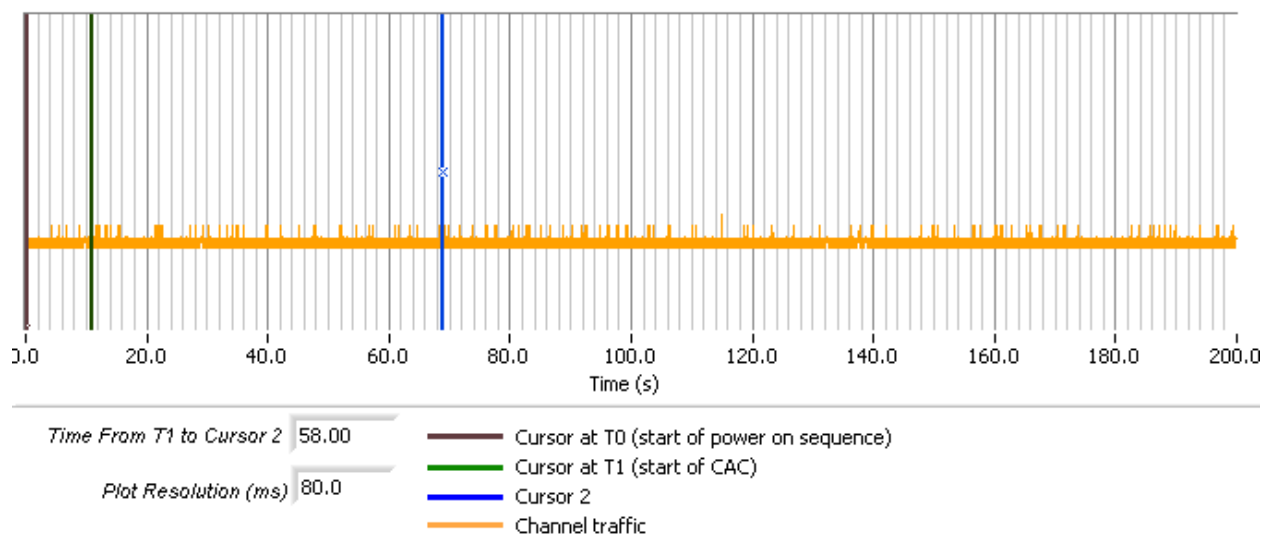


Radar details: FCC Short Pulse Radar (Type 1)
Radar burst applied 1.8 seconds after start of CAC.
Cursor 2 is on the radar signal, no transmissions on the channel from the EUT observed.

Figure 13 Radar Applied At Start of CAC



Timing Plots - Channel Availability Check



Radar details: FCC Short Pulse Radar (Type 1)
Radar burst applied 58.0 seconds after start of CAC.
Cursor 2 is on the radar signal, no transmissions on the channel from the EUT observed.

Figure 14 Radar Applied At End of CAC

Appendix E Antenna Specification

The 5GHz antennas are triangular stamped metal with 2dBi gain mounted on the printed circuit board.

Appendix F Test Configuration Photograph(s)

