

# WIRELESS SERVICES

TEST REPORT R82930 Rev. 3

Covering the DYNAMIC FREQUENCY SELECTION (DFS) REQUIREMENTS OF

FCC Part 15 Subpart E (UNII)

Motorola Solutions, Inc. Model(s): AP-7131N

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Industry Canada Certification Number: 109AN-AP7131N

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Testing Cert #2016.01

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Report Date: May 6, 2011

# **REVISION HISTORY**

| Rev# | Date             | Comments   | Modified By    |
|------|------------------|--|----------------|
| 1    | May 6, 2011      | Initial release  | =              |
| 2    | June 7, 2011     | Revised report to include a 2dBi antenna as the lowest gain antenna (previously 5dBi was reported as the lowest gain antenna). No new test data was added. | Mark Briggs    |
| 3    | February 4, 2013 | ,  | David Guidotti |
|      |                  | model number   |                |

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### **SCOPE**

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

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

#### **OBJECTIVE**

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

### STATEMENT OF COMPLIANCE

The tested sample of the Motorola Solutions, Inc. model AP-7131N complied with the DFS requirements of FCC Part 15.407(h)(2).

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

#### DEVIATIONS FROM THE STANDARD

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

# EQUIPMENT UNDER TEST (EUT) DETAILS

#### **GENERAL**

The Motorola Solutions, Inc. model AP-7131N is a wireless access point.

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

| Manufacturer             | Model   | Description  | Serial Number |
|--------------------------|---------|--------------|---------------|
| Motorola Solutions, Inc. | AP7131N | Access Point |               |

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

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

Master Device 5250-5350 MHz

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

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

|  | 5250 – 5350 MHz | 5470 – 5725 MHz |  |  |  |  |
|--|-----------------|-----------------|--|--|--|--|
| Lowest Antenna Gain (dBi)                                    | 2               | 2               |  |  |  |  |
| Highest Antenna Gain (dBi)                                   | 13.9            | 13.9            |  |  |  |  |
| EIRP Output Power (dBm)                                      | 23.5            | 23.5            |  |  |  |  |
| Refer also to Appendix E Antenna Gain, Output Power and EIRP |                 |                 |  |  |  |  |

Power can exceed 200mW eirp

### **Channel Protocol**

IP Based

#### **ENCLOSURE**

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

### **MODIFICATIONS**

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

#### SUPPORT EQUIPMENT

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

| Manufacturer Model |                | Description       | Serial Number | FCC ID |
|--------------------|----------------|-------------------|---------------|--------|
| Hewlett Packard    | Elitebook      | Computer CND03802 |               | DoC    |
|                    | 8440w          |                   |               |        |
| Dell               | Latitude E5500 | Computer          | DPDGXG1       | DoC    |

The italicized device was the client device.

#### **EUT INTERFACE PORTS**

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

|          |               | Cable(s)        |                        |            |  |
|----------|---------------|-----------------|------------------------|------------|--|
| Port     | Connected To  | Description     | Shielded or Unshielded | Length (m) |  |
| Ethernet | Dell Computer | CAT5-UTP        | Unshielded             | 3.0        |  |
| Serial   | Dell Computer | RJ45 to 9p Dsub | Unshielded             | 1.5        |  |

#### **EUT OPERATION**

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

Master Device: 4.1.3.0-004R

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

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

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

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

# RADAR WAVEFORMS

|               | Table 1 FCC Short Pulse Radar Test Waveforms |               |                   |                                    |                                |  |  |  |
|---------------|--|---------------|-------------------|------------------------------------|--------------------------------|--|--|--|
| Radar Type    | Pulse Width (µsec)                           | PRI<br>(µsec) | Pulses /<br>burst | Minimum<br>Detection<br>Percentage | Minimum<br>Number of<br>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 (Ra | adar Types 1-4)                              | 80%           | 120               |                                    |                                |  |  |  |

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

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

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#### TEST RESULTS SUMMARY - FCC Part 15, MASTER DEVICE

| Table  | Table 4 FCC Part 15 Subpart E Master Device Test Result Summary (20MHz) |                    |   |  |            |                |  |  |  |
|--|---|--------------------|---|--|------------|----------------|--|--|--|
| Description  | Radar<br>Type   | Radar<br>Frequency | Requirement   |  | Test Data  | Status         |  |  |  |
| Channel<br>Availability Check<br>(CAC) Time        | Type 1  | 5500 MHz           | 67 s  | ≥ 60s  | Appendix D | Pass           |  |  |  |
| CAC Detection<br>Threshold                         | Type 1  | Note 4             | -   | -64dBm   | Appendix D | Pass           |  |  |  |
| In-Service<br>Monitoring<br>Detection<br>Threshold | Type 1 Type 2 Type 3 Type 4 Type 5 Type 6                               | 5500 MHz           | -61 dBm at<br>the receiver<br>input<br>Note 2             | (-57.5dBm at<br>the receiver<br>input)<br>Note 2 | Appendix B | Pass<br>Note 5 |  |  |  |
| Bandwidth<br>Detection                             | Type 1  | -                  | 20 MHz  | 80% of the<br>99% BW                             | Table 6    | Pass           |  |  |  |
| Channel closing transmission time                  | Type 1<br>Type 5  | 5500<br>5540       | 25.02ms<br>0.0ms  | ≤ 260ms  | Appendix C | Pass           |  |  |  |
| Channel move time                                  | Type 1<br>Type 5  | 5500<br>5540       | 6.306s<br>0.0s  | ≤ 10s  | Appendix C | Pass           |  |  |  |
| Non-occupancy period                               | -   | 5500               | 1800s   | > 30 minutes                                     | Appendix C | Pass           |  |  |  |
| Uniform Loading                                    |   | Manufacture        | Manufacturer will address via an operational description. |  |            |                |  |  |  |

#### Notes:

- 1) Tests were performed using the conducted test method.
- 2) The measured detection threshold is based on the output power, e.i.r.p. and antenna gain information detailed in Appendix E with a minimum threshold at the antenna of -64dBm. Given the antennas gains in the Appendix, the lowest required detection threshold level at the receiver input is -61.0dBm. Types 1-4 and Frequency Hopping radar were performed at a level of -69dBm and the Long Pulse radar was performed at -61dBm (all levels measured at the receiver input). All levels were at or below the minimum required threshold level.
- 3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.
- 4) As the device uses the same algorithms for in-service monitoring and CAC the CAC detection probability and thresholds were not evaluated.
- 5) Correlation measurement(s) were made using the radiated method to evaluate detection probability for radar type 1 in 20MHz mode using a 5dBi dipole antenna at a radar threshold of -66dBm (signal level of -61dBm at the receiver input). This measurement was done to confirm that both radiated and conducted methods gave similar results (conducted success rate was 100% for type 1 and the radiated method gave a success rate of 100%). Refer to Table 8 and Table 9.

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**Pass** 

Table 46

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

#### Notes:

Detection

1) Tests were performed using the conducted test method.

Type 1

2) The measured detection threshold is based on the output power, e.i.r.p. and antenna gain information detailed in Appendix E with a minimum threshold at the antenna of -64dBm. Given the antennas gains in the Appendix, the lowest required detection threshold level at the receiver input is -61.0dBm. All probability tests were performed at a level of -69dBm at the receiver input, below the minimum required threshold level.

40 MHz

99% BW

- 3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.
- 4) As the device uses the same algorithms for in-service monitoring and CAC the CAC detection probability and thresholds were not evaluated.
- 5) Correlation measurement(s) were made using the radiated method to evaluate detection probability for radar type 1 in 40MHz mode using the 5dBi dipole antenna at a radar thresholds of -64dBm. This measurement was done to confirm that both radiated and conducted methods gave similar results (conducted success rate was 100% for type 1 and the radiated method gave a success rate of 100%). Refer to Table 47 and Table 48.

# **MEASUREMENT UNCERTAINTIES**

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

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

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#### RADIATED TEST METHOD

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

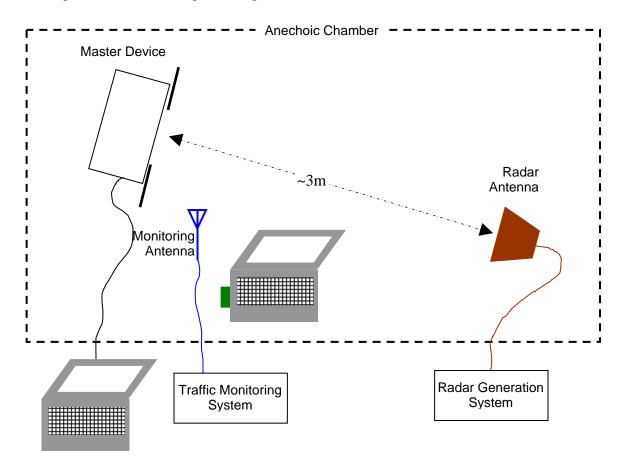


Figure 1 Test Configuration for radiated Measurement Method

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

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

Applied level 
$$(dBm) = R - GREF + L$$

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

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

# CONDUCTED TEST METHOD

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

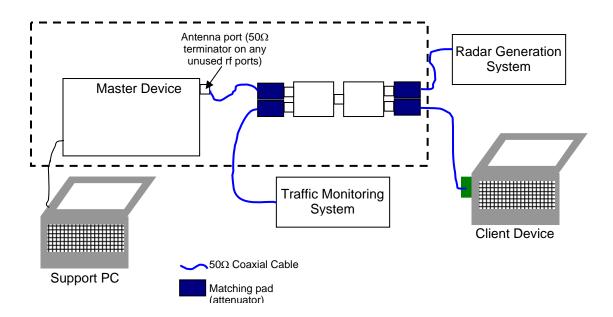


Figure 2 Test Configuration for Conducted Measurement Method

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

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

Applied level 
$$(dBm) = R - GRDD$$

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

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

### DFS MEASUREMENT INSTRUMENTATION

#### RADAR GENERATION SYSTEM

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

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

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

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

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

#### CHANNEL MONITORING SYSTEM

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

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

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

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

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

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### 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<sup>1</sup> – the total time of all individual transmissions from the EUT that are observed from the end of the last radar pulse in the waveform. This value is required to be less than 260ms.

#### DFS - CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING

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

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

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<sup>&</sup>lt;sup>1</sup> This measurement method is used for MIC Table No. 45.

#### DFS CHANNEL AVAILABILITY CHECK TIME

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

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

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

#### UNIFORM I OADING

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

| <b>Manufacturer</b> | <u>Description</u>                           | Model #  | Asset # | Cal Due   |
|---------------------|--|----------|---------|-----------|
| Hewlett Packard     | EMC Spectrum Analyzer, 9 kHz - 6.5 GHz       | 8595EM   | 780     | 28-Dec-11 |
| Agilent             | PSG Vector Signal Generator (250kHz - 20GHz) | E8267C   | 1877    | 30-Mar-12 |
| Tektronix           | 500MHz, 2CH, 5GS/s Scope                     | TDS5052B | 2118    | 29-Sep-11 |
| Hewlett Packard     | EMC Spectrum Analyzer, 9 kHz - 6.5 GHz       | 8595EM   | 780     | 28-Dec-11 |

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# Appendix B Test Data Tables for Radar Detection Probability

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

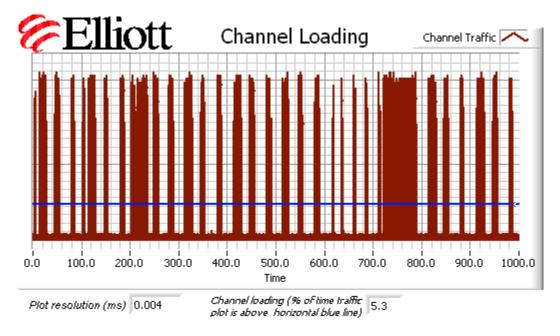


Figure 3 Channel Utilization During In-Service Detection Measurements (20MHz channel)

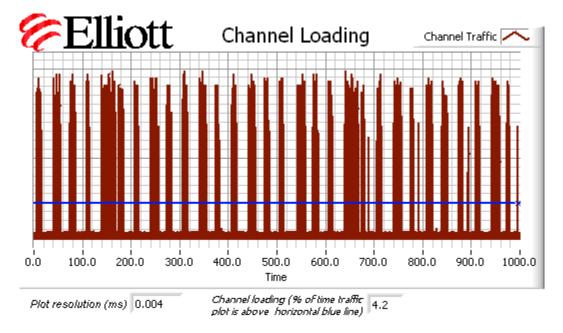


Figure 4 Channel Utilization During In-Service Detection Measurements (40MHz channel)

| S500.00 MHz   | EUT Frequency | Radar Type                        | Radar Frequency | # Detected | # Not Detected | Success (%) |
|---|---------------|-----------------------------------|-----------------|------------|----------------|-------------|
| Radar (Type 1)   S491.00 MHz   10   0   100   | 5500.00 MHz   |                                   | 5489.00 MHz     | 7          | 3              | 70          |
| Section of the part of the p  | 5500.00 MHz   | Radar (Type 1)                    | 5490.00 MHz     | 10         | 0              | 100         |
| Section   | 5500.00 MHz   | Radar (Type 1)                    | 5491.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1) FCC Short Pulse | 5500.00 MHz   |                                   | 5492.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)   S494.00 MHz   10   0   100   | 5500.00 MHz   | Radar (Type 1)                    | 5493.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)   S495.00 MHz   10   0   100   | 5500.00 MHz   |                                   | 5494.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)   S499.00 MHz   10   0   100   | 5500.00 MHz   | Radar (Type 1)                    | 5495.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)   S497.00 MHz   10   0   100   | 5500.00 MHz   | Radar (Type 1)                    | 5496.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)   S498.00 MHz   10   0   100   | 5500.00 MHz   | Radar (Type 1)                    | 5497.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)   S499.00 MHz   10   0   100   | 5500.00 MHz   | Radar (Type 1)                    | 5498.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)   S500.00 MHz   10   0   100   | 5500.00 MHz   | Radar (Type 1)                    | 5499.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)   S501.00 MHz   10   0   100   | 5500.00 MHz   | Radar (Type 1)                    | 5500.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)   S502.00 MHz   10   0   100   | 5500.00 MHz   | Radar (Type 1)                    | 5501.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)  FCC Short Pulse Radar (Type 1)  | 5500.00 MHz   | Radar (Type 1)                    | 5502.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)  | 5500.00 MHz   | Radar (Type 1)                    | 5503.00 MHz     | 10         | 0              | 100         |
| ABORDON MHZ         Radar (Type 1)         SS05.00 MHZ         10         0         100           ABORDON MHZ         FCC Short Pulse Radar (Type 1)         S506.00 MHZ         10         0         100           ABORDON MHZ         FCC Short Pulse Radar (Type 1)         S507.00 MHZ         10         0         100           ABORDON MHZ         FCC Short Pulse Radar (Type 1)         S508.00 MHZ         10         0         100           ABORDON MHZ         FCC Short Pulse Radar (Type 1)         FCC Short Pulse S511.00 MHZ         9         1         90           ABORDON MHZ         FCC Short Pulse Radar (Type 1)         FCC Short Pulse S511.00 MHZ         0         3         0  | 5500.00 MHz   | Radar (Type 1)                    | 5504.00 MHz     | 10         | 0              | 100         |
| 5500.00 MHz         Radar (Type 1)         5506.00 MHz         10         0         100           5500.00 MHz         FCC Short Pulse Radar (Type 1)         5507.00 MHz         10         0         100           5500.00 MHz         FCC Short Pulse Radar (Type 1)         5508.00 MHz         10         0         100           5500.00 MHz         FCC Short Pulse Radar (Type 1)         5509.00 MHz         10         0         100           5500.00 MHz         FCC Short Pulse Radar (Type 1)         5510.00 MHz         9         1         90           5500.00 MHz         FCC Short Pulse Radar (Type 1)         5511.00 MHz         0         3         0  | 5500.00 MHz   | Radar (Type 1)                    | 5505.00 MHz     | 10         | 0              | 100         |
| ABSOULOW MHZ         Radar (Type 1)         SSOV.00 MHZ         10         0         100           ABSOULOW MHZ         FCC Short Pulse Radar (Type 1)         SSOW MHZ         10         0         100           ABSOULOW MHZ         FCC Short Pulse Radar (Type 1)         SSOW MHZ         10         0         100           ABSOULOW MHZ         FCC Short Pulse Radar (Type 1)         FCC Short Pulse Radar (Type 1)         SSOW MHZ         9         1         90           ABSOULOW MHZ         FCC Short Pulse Radar (Type 1)         FCC Short Pulse STATE (Type 1)         SSOW MHZ         0         3         0   | 5500.00 MHz   | Radar (Type 1)                    | 5506.00 MHz     | 10         | 0              | 100         |
| Assol 0.00 MHz         Radar (Type 1)         S508.00 MHz         10         0         100           FCC Short Pulse Radar (Type 1)         5509.00 MHz         10         0         100           5500.00 MHz         FCC Short Pulse Radar (Type 1)         5510.00 MHz         9         1         90           FCC Short Pulse Radar (Type 1)         FCC Short Pulse Short Pulse         5511.00 MHz         0         3         0   | 5500.00 MHz   | Radar (Type 1)                    | 5507.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1)   S509.00 MHz   10   0   100   | 5500.00 MHz   | Radar (Type 1)                    | 5508.00 MHz     | 10         | 0              | 100         |
| Radar (Type 1) 5510.00 MHz 9 1 90  FCC Short Pulse 5511.00 MHz 0 3  | 5500.00 MHz   | Radar (Type 1)                    | 5509.00 MHz     | 10         | 0              | 100         |
| NOOLOO MH7   1 NO 1   | 5500.00 MHz   | Radar (Type 1)                    | 5510.00 MHz     | 9          | 1              | 90          |
| Kadar (Type T)  | 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5511.00 MHz     | 0          | 3              | 0           |

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| Table 7 - Summary Of All Radar Types - 20MHz (Radiated Method) |        |                 |                  |        |  |  |  |
|--|--------|-----------------|------------------|--------|--|--|--|
| Waveform Name  | Pd (%) | Pd Required (%) | Number of Trials | Status |  |  |  |
| FCC Short Pulse Radar (Type 1) 100.0 % 60.0 % 30 PASSED        |        |                 |                  |        |  |  |  |

These measurements were performed to confirm that the radiated and conducted test methods gave comparable results. Refer to Table 9 and Table 10 for the conducted method results for radar type 1 (detected at 100%). A similar comparison was made in the 40MHz bandwidth mode (Table 47 and Table 48). The radar test level of -66dBm was used to give a signal level at the receiver input of -61dBm (based on the nominal antenna gain of 5dBi), the same level that w as used for the conducted test.

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

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

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| Table 9 - Summary Of All Radar Types - 20MHz (Conducted Method) |         |                 |                  |        |  |  |  |  |  |
|---|---------|-----------------|------------------|--------|--|--|--|--|--|
| Waveform Name   | Pd (%)  | Pd Required (%) | Number of Trials | Status |  |  |  |  |  |
| FCC Short Pulse Radar (Type 1)                                  | 100.0 % | 60.0 %          | 30               | PASSED |  |  |  |  |  |
| FCC Short Pulse Radar (Type 2)                                  | 90.0 %  | 60.0 %          | 30               | PASSED |  |  |  |  |  |
| FCC Short Pulse Radar (Type 3)                                  | 100.0 % | 60.0 %          | 30               | PASSED |  |  |  |  |  |
| FCC Short Pulse Radar (Type 4)                                  | 100.0 % | 60.0 %          | 30               | PASSED |  |  |  |  |  |
| Aggregate of above results                                      | 97.5 %  | 80.0 %          | 120              | Pass   |  |  |  |  |  |
| Long Sequence   | 86.7 %  | 80.0 %          | 30               | Passed |  |  |  |  |  |
| FCC frequency hopping radar (Type 6)                            | 100.0 % | 70.0 %          | 42               | PASSED |  |  |  |  |  |

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

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

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

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|         | Table 11 - FCC Short Pulse Radar (Type 2) Results 20MHz |            |          |          |                        |                                       |  |  |  |
|---------|---|------------|----------|----------|------------------------|---------------------------------------|--|--|--|
|         | Pulses/   | Pulse      |          | 1        | Fr (MHz) and           |                                       |  |  |  |
| Trial # | Burst   | Width (us) | PRI (us) | Detected | level (dBm)            | Burst Information                     |  |  |  |
| 15      | 24  | 2.1        | 174.0    | No       | 5505.0MHz,             | Single burst (04/15/2011 09:57:26     |  |  |  |
|         |   |            |          |          | -69.0dBm               | AM)                                   |  |  |  |
| 16      | 29  | 2.5        | 188.0    | Yes      | 5500.0MHz,<br>-69.0dBm | Single burst (04/15/2011 09:57:38 AM) |  |  |  |
|         |   |            |          |          | 5495.0MHz,             | Single burst (04/15/2011 09:57:48     |  |  |  |
| 17      | 25  | 1.6        | 222.0    | Yes      | -69.0dBm               | AM)                                   |  |  |  |
| 4.0     | • 0   |            |          |          | 5505.0MHz,             | Single burst (04/15/2011 09:57:57     |  |  |  |
| 18      | 28  | 2.2        | 201.0    | Yes      | -69.0dBm               | AM)                                   |  |  |  |
| 10      | 20  | 4.7        | 1060     | V        | 5500.0MHz,             | Single burst (04/15/2011 09:58:05     |  |  |  |
| 19      | 28  | 4.7        | 186.0    | Yes      | -69.0dBm               | AM)                                   |  |  |  |
| 20      | 28  | 3.0        | 192.0    | Yes      | 5495.0MHz,             | Single burst (04/15/2011 09:58:13     |  |  |  |
| 20      | 28  | 3.0        | 192.0    | res      | -69.0dBm               | AM)                                   |  |  |  |
| 21      | 28  | 1.9        | 229.0    | Yes      | 5505.0MHz,             | Single burst (04/15/2011 09:58:22     |  |  |  |
| 21      | 28  | 1.9        | 229.0    | ies      | -69.0dBm               | AM)                                   |  |  |  |
| 22      | 26  | 1.2        | 182.0    | Yes      | 5500.0MHz,             | Single burst (04/15/2011 09:58:30     |  |  |  |
| 22      | 20  | 1.2        | 102.0    | 168      | -69.0dBm               | AM)                                   |  |  |  |
| 23      | 28  | 1.2        | 199.0    | Yes      | 5495.0MHz,             | Single burst (04/15/2011 09:58:41     |  |  |  |
| 23      | 20  | 1.2        | 199.0    | 108      | -69.0dBm               | AM)                                   |  |  |  |
| 24      | 25  | 1.8        | 195.0    | Yes      | 5505.0MHz,             | Single burst (04/15/2011 09:59:15     |  |  |  |
| 24      | 23  | 1.0        | 193.0    | 108      | -69.0dBm               | AM)                                   |  |  |  |
| 25      | 26  | 4.9        | 212.0    | Yes      | 5500.0MHz,             | Single burst (04/15/2011 09:59:22     |  |  |  |
| 23      | 20  | 4.9        | 212.0    | 105      | -69.0dBm               | AM)                                   |  |  |  |
| 26      | 28  | 3.2        | 214.0    | Yes      | 5495.0MHz,             | Single burst (04/15/2011 09:59:32     |  |  |  |
| 20      | 20  | 3.2        | 214.0    | 103      | -69.0dBm               | AM)                                   |  |  |  |
| 27      | 29  | 1.6        | 191.0    | Yes      | 5505.0MHz,             | Single burst (04/15/2011 09:59:43     |  |  |  |
|         | 2)  | 1.0        | 171.0    | 103      | -69.0dBm               | AM)                                   |  |  |  |
| 28      | 24  | 4.1        | 208.0    | Yes      | 5500.0MHz,             | Single burst (04/15/2011 09:59:54     |  |  |  |
|         | - '   |            | 200.0    | 105      | -69.0dBm               | AM)                                   |  |  |  |
| 29      | 27  | 4.8        | 155.0    | No       | 5495.0MHz,             | Single burst (04/15/2011 10:00:02     |  |  |  |
|         | - '   |            | 100.0    | 1.0      | -69.0dBm               | AM)                                   |  |  |  |
| 30      | 25  | 1.8        | 210.0    | Yes      | 5505.0MHz,             | Single burst (04/15/2011 10:00:16     |  |  |  |
|         | -5  | 1.0        | _10.0    |          | -69.0dBm               | AM)                                   |  |  |  |

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

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

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

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|         | Table 13 - FCC Short Pulse Radar (Type 4) Results 20MHz |                     |          |          |                          |  |  |  |  |  |
|---------|---|---------------------|----------|----------|--------------------------|--|--|--|--|--|
| Trial # | Pulses/<br>Burst  | Pulse<br>Width (us) | PRI (us) | Detected | Fr (MHz) and level (dBm) | Burst Information                        |  |  |  |  |
| 3       | 14  | 11.0                | 313.0    | Yes      | 5505.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:06:18 AM)    |  |  |  |  |
| 4       | 14  | 15.3                | 411.0    | Yes      | 5500.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:06:26 AM)    |  |  |  |  |
| 5       | 14  | 13.5                | 206.0    | Yes      | 5495.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:06:37 AM)    |  |  |  |  |
| 6       | 16  | 14.0                | 200.0    | Yes      | 5505.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:06:45 AM)    |  |  |  |  |
| 7       | 13  | 11.0                | 477.0    | Yes      | 5500.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:06:56 AM)    |  |  |  |  |
| 8       | 13  | 12.6                | 358.0    | Yes      | 5495.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:07:06 AM)    |  |  |  |  |
| 9       | 12  | 16.4                | 237.0    | Yes      | 5505.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:07:14<br>AM) |  |  |  |  |
| 10      | 15  | 12.1                | 348.0    | Yes      | 5500.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:07:22<br>AM) |  |  |  |  |
| 11      | 14  | 13.7                | 467.0    | Yes      | 5495.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:07:30 AM)    |  |  |  |  |
| 12      | 13  | 11.4                | 308.0    | Yes      | 5505.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:07:39<br>AM) |  |  |  |  |
| 13      | 15  | 19.7                | 268.0    | Yes      | 5500.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:07:47<br>AM) |  |  |  |  |
| 14      | 13  | 14.0                | 319.0    | Yes      | 5495.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:07:54<br>AM) |  |  |  |  |
| 15      | 13  | 17.5                | 401.0    | Yes      | 5505.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:08:02<br>AM) |  |  |  |  |
| 16      | 13  | 18.8                | 343.0    | Yes      | 5500.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:08:10 AM)    |  |  |  |  |
| 17      | 15  | 14.9                | 384.0    | Yes      | 5495.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:08:19<br>AM) |  |  |  |  |
| 18      | 15  | 15.8                | 356.0    | Yes      | 5505.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:08:27<br>AM) |  |  |  |  |
| 19      | 14  | 12.9                | 316.0    | Yes      | 5500.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:08:36 AM)    |  |  |  |  |
| 20      | 15  | 18.4                | 260.0    | Yes      | 5495.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:08:43<br>AM) |  |  |  |  |
| 21      | 13  | 11.8                | 315.0    | Yes      | 5505.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:08:51 AM)    |  |  |  |  |
| 22      | 13  | 14.1                | 251.0    | Yes      | 5500.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:08:59<br>AM) |  |  |  |  |
| 23      | 15  | 18.4                | 408.0    | Yes      | 5495.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:09:07<br>AM) |  |  |  |  |
| 24      | 14  | 17.1                | 394.0    | Yes      | 5505.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:09:15<br>AM) |  |  |  |  |
| 25      | 13  | 11.5                | 317.0    | Yes      | 5500.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:09:24<br>AM) |  |  |  |  |
| 26      | 14  | 15.4                | 478.0    | Yes      | 5495.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:09:33<br>AM) |  |  |  |  |
| 27      | 13  | 14.4                | 229.0    | Yes      | 5505.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:09:41 AM)    |  |  |  |  |
| 28      | 16  | 13.9                | 413.0    | Yes      | 5500.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:09:52<br>AM) |  |  |  |  |
| 29      | 13  | 17.5                | 322.0    | Yes      | 5495.0MHz,<br>-69.0dBm   | Single burst (04/15/2011 10:10:02<br>AM) |  |  |  |  |
|         | Ī   | 1                   | l .      | ĺ        | 07.0 <b>GD</b> III       | 4 *** 1 ** 1                             |  |  |  |  |

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Test Report Report Date: February 4, 2013

Report Date: May 6, 2011 Report Da

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

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5362, 5258, 5298, 5455, 5711, 5576, 5463, 5416, 5322, 5452, 5388, 5660, 5476, 5479, 5575, 5399, 5509, 5408, 5658, 5390, 5601, 5351, 5719, 5682, 5344, 5382, 5583 (5 hits) (04/15/2011

11:04:50 AM)

|                  |                     |           | Report De    | ate: May 6, 2011         | Report Date: February 4, 2013   |
|------------------|---------------------|-----------|--------------|--------------------------|---------------------------------|
|                  | <b>Table 14 -</b> 1 | FCC frequ | ency hopping | radar (Type 6) R         | Results 20MHz                   |
| Pulses/<br>Burst | Pulse<br>Width (us) | PRI (us)  | Detected     | Fr (MHz) and level (dBm) | Burst Information               |
|                  |                     |           |              |                          | Hop sequence: 5506, 5380, 5269, |

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

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

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

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

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

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

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|                          |                               |

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

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

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

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|                          |                               |

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

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

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|--------------------------|-------------------------------|
|                          |                               |

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

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| MC Department     | Report Date: May 6, 2011         | Test Report<br>Report Date: February 4, 2013 |
|-------------------|----------------------------------|--|
|                   | Report Bate. May 0, 2011         | Report Bute. Testuary 1, 2013                |
| ble 14 FCC freque | oney hanning rader (Type 6) Deep | ulta 20MII.a                                 |

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

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

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|                          |                               |

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

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5459, 5478, 5522, 5719, 5518, 5564, 5700, 5697, 5552, 5702, 5475, 5353, 5356, 5556, 5286, 5684, 5698, 5648, 5502, 5296, 5603, 5690, 5623, 5414, 5555, 5280, 5337, 5620, 5388, 5503, 5466, 5630 (6 hits) (04/15/2011

11:09:42 AM)

|   |                  |                     |          | Report I | Date: May 6, 2011        | Report Date: February 4, 2   |  |
|---|------------------|---------------------|----------|----------|--------------------------|--|--|
| Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz |                  |                     |          |          |                          |  |  |
| Trial #   | Pulses/<br>Burst | Pulse<br>Width (us) | PRI (us) | Detected | Fr (MHz) and level (dBm) | Burst Information  |  |
| 33  | 9                | 1.0                 | 333.0    | Yes      | 5499.0MHz,<br>-69.0dBm   | Hop sequence: 5307, 5405, 5650, 5573, 5359, 5710, 5408, 5571, 5257, 5646, 5477, 5485, 5344, 5596, 5566, 5259, 5644, 5552, 5512, 5377, 5539, 5657, 5275, 5487, 5279, 5558, 5725, 5439, 5639, 5653, 5585, 5546, 5391, 5402, 5396, 5492, 5349, 5302, 5355, 5714, 5374, 5595, 5648, 5357, 5572, 5591, 5689, 5505, 5342, 5321, 5534, 5410, 5623, 5318, 5590, 5339, 5703, 5428, 5314, 5413, 5642, 5483, 5502, 5656, 5599, 5404, 5696, 5673, 5693, 5343, 5478, 5666, 5436, 5251, 5568, 5554, 5313, 5675, 5465, 5361, 5463, 5316, 5262, 5640, 5388, 5345, 5417, 5612, 5557, 5466, 5553, 5474, 5616, 5449, 5261, 5459, 5303, 5451, 5319 (3 hits) (04/15/2011 11:09:34 AM) |  |
| 34  | 9                | 1.0                 | 333.0    | Yes      | 5500.0MHz,<br>-69.0dBm   | Hop sequence: 5609, 5311, 5520, 5568, 5297, 5599, 5490, 5677, 5479, 5266, 5663, 5447, 5574, 5704, 5309, 5384, 5694, 5485, 5387, 5717, 5560, 5402, 5488, 5613, 5395, 5588, 5545, 5546, 5392, 5565, 5523, 5625, 5453, 5703, 5346, 5330, 5598, 5493, 5380, 5328, 5531, 5705, 5403, 5551, 5664, 5313, 5668, 5513, 5678, 5641, 5683, 5699, 5446, 5499, 5401, 5277, 5618, 5289, 5449, 5397, 5265, 5375, 5645, 5491, 5642, 5657, 5440, 5367,  |  |

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

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

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

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|         | Table 14 - FCC frequency hopping radar (Type 6) Results 20MHz |                     |          |          |                          |  |  |  |
|---------|---|---------------------|----------|----------|--------------------------|--|--|--|
| Trial # | Pulses/<br>Burst  | Pulse<br>Width (us) | PRI (us) | Detected | Fr (MHz) and level (dBm) | Burst Information  |  |  |
| 41      | 9   | 1.0                 | 333.0    | Yes      | 5507.0MHz,<br>-69.0dBm   | Hop sequence: 5302, 5544, 5327, 5723, 5695, 5401, 5459, 5566, 5252, 5600, 5329, 5360, 5376, 5588, 5470, 5444, 5482, 5253, 5483, 5403, 5347, 5477, 5609, 5266, 5378, 5554, 5286, 5626, 5404, 5574, 5674, 5691, 5572, 5573, 5504, 5558, 5419, 5427, 5418, 5473, 5326, 5273, 5359, 5373, 5330, 5450, 5601, 5265, 5559, 5442, 5624, 5399, 5257, 5638, 5487, 5651, 5515, 5724, 5562, 5361, 5468, 5496, 5627, 5685, 5697, 5384, 5256, 5332, 5631, 5390, 5647, 5634, 5298, 5675, 5356, 5717, 5716, 5324, 5622, 5460, 5439, 5328, 5290, 5680, 5710, 5522, 5424, 5568, 5278, 5321, 5293, 5648, 5661, 5526, 5474, 5696, 5472, 5387, 5351, 5364 (2 hits) (04/15/2011 11:21:05 AM) |  |  |
| 42      | 9   | 1.0                 | 333.0    | Yes      | 5508.0MHz,<br>-69.0dBm   | Hop sequence: 5514, 5367, 5357, 5475, 5360, 5715, 5366, 5611, 5268, 5590, 5421, 5460, 5389, 5630, 5612, 5371, 5628, 5409, 5685, 5508, 5413, 5285, 5390, 5331, 5448, 5398, 5517, 5369, 5260, 5433, 5639, 5271, 5720, 5453, 5337, 5250, 5704, 5718, 5288, 5530, 5302, 5516, 5273, 5470, 5521, 5533, 5578, 5391, 5466, 5504, 5681, 5507, 5442, 5609, 5594, 5610, 5437, 5454, 5692, 5312, 5707, 5539, 5484, 5515, 5459, 5344, 5377, 5333, 5449, 5567, 5669, 5399, 5385, 5699, 5689, 5317, 5570, 5632, 5691, 5527, 5556, 5418, 5600, 5321, 5664, 5407, 5251, 5723, 5550, 5468 (4 hits) (04/15/2011 11:21:14 AM)   |  |  |

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| Table 15 - Long Sequence Waveform Summary 20MHz |              |                             |  |  |  |  |
|---|--------------|-----------------------------|--|--|--|--|
| Long Sequence Trial                             | Result       | Radar Frequency / Amplitude |  |  |  |  |
| Trial #1  | Detected     | 5500.0MHz,                  |  |  |  |  |
| 11141 // 1                                      | Betteted     | -61.0dBm                    |  |  |  |  |
| Trial #2  | Detected     | 5495.0MHz,                  |  |  |  |  |
|   | 2 0.0000     | -61.0dBm                    |  |  |  |  |
| Trial #3  | Detected     | 5505.0MHz,                  |  |  |  |  |
|   |              | -61.0dBm                    |  |  |  |  |
| Trial #4  | Detected     | 5500.0MHz,<br>-61.0dBm      |  |  |  |  |
|   |              | 5495.0MHz,                  |  |  |  |  |
| Trial #5  | Detected     | -61.0dBm                    |  |  |  |  |
|   |              | 5505.0MHz,                  |  |  |  |  |
| Trial #6  | NOT Detected | -61.0dBm                    |  |  |  |  |
| T.:. 1 #7                                       | Datastal     | 5500.0MHz,                  |  |  |  |  |
| Trial #7  | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #8  | Detected     | 5495.0MHz,                  |  |  |  |  |
| 111α1 πυ  | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #9  | Detected     | 5505.0MHz,                  |  |  |  |  |
| 11141 117                                       | Betteted     | -61.0dBm                    |  |  |  |  |
| Trial #10                                       | Detected     | 5500.0MHz,                  |  |  |  |  |
|   |              | -61.0dBm                    |  |  |  |  |
| Trial #11                                       | Detected     | 5495.0MHz,                  |  |  |  |  |
|   |              | -61.0dBm<br>5505.0MHz,      |  |  |  |  |
| Trial #12                                       | Detected     | -61.0dBm                    |  |  |  |  |
|   |              | 5500.0MHz,                  |  |  |  |  |
| Trial #13                                       | Detected     | -61.0dBm                    |  |  |  |  |
|   |              | 5495.0MHz,                  |  |  |  |  |
| Trial #14                                       | NOT Detected | -61.0dBm                    |  |  |  |  |
| TD: 1,415                                       | D. C. I      | 5505.0MHz,                  |  |  |  |  |
| Trial #15                                       | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #16                                       | Detected     | 5500.0MHz,                  |  |  |  |  |
| 111a1 #10                                       | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #17                                       | Detected     | 5495.0MHz,                  |  |  |  |  |
| 11141 1117                                      | Beteeted     | -61.0dBm                    |  |  |  |  |
| Trial #18                                       | Detected     | 5505.0MHz,                  |  |  |  |  |
|   |              | -61.0dBm                    |  |  |  |  |
| Trial #19                                       | Detected     | 5500.0MHz,<br>-61.0dBm      |  |  |  |  |
|   |              | 5495.0MHz,                  |  |  |  |  |
| Trial #20                                       | NOT Detected | -61.0dBm                    |  |  |  |  |
| TT : 1 #24                                      | -            | 5505.0MHz,                  |  |  |  |  |
| Trial #21                                       | Detected     | -61.0dBm                    |  |  |  |  |
| T::-1 #22                                       | Detected     | 5500.0MHz,                  |  |  |  |  |
| Trial #22                                       | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #23                                       | Detected     | 5495.0MHz,                  |  |  |  |  |
| 111α1 π43                                       | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #24                                       | Detected     | 5505.0MHz,                  |  |  |  |  |
|   | 200000       | -61.0dBm                    |  |  |  |  |
| Trial #25                                       | Detected     | 5500.0MHz,                  |  |  |  |  |
|   |              | -61.0dBm                    |  |  |  |  |
| Trial #26                                       | NOT Detected | 5495.0MHz,                  |  |  |  |  |
|   |              | -61.0dBm<br>5505.0MHz,      |  |  |  |  |
| Trial #27                                       | Detected     | -61.0dBm                    |  |  |  |  |

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| Table 15 - Long Sequence Waveform Summary 20MHz |          |                             |  |  |  |  |
|---|----------|-----------------------------|--|--|--|--|
| Long Sequence Trial                             | Result   | Radar Frequency / Amplitude |  |  |  |  |
| Trial #28                                       | Detected | 5500.0MHz,                  |  |  |  |  |
| 111a1 #26                                       | Detected | -61.0dBm                    |  |  |  |  |
| Trial #29                                       | Detected | 5495.0MHz,                  |  |  |  |  |
| 1 Hat #29                                       | Detected | -61.0dBm                    |  |  |  |  |
| Trial #30                                       | Detected | 5505.0MHz,                  |  |  |  |  |
| 111a1 #30                                       | Detected | -61.0dBm                    |  |  |  |  |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

|         | Table 30 - 20MHz Long Sequence Waveform Trial#15 (Detected) |                  |                |                      |                      |                 |  |  |  |
|---------|---|------------------|----------------|----------------------|----------------------|-----------------|--|--|--|
| Burst # | #<br>Pulses   | Pulse Width (us) | Chirp<br>(MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (us) |  |  |  |
| 1       | 1   | 94.0             | 15             | -                    | -                    | 0.204861        |  |  |  |
| 2       | 1   | 62.6             | 13             | -                    | -                    | 1.271213        |  |  |  |
| 3       | 1   | 67.1             | 15             | -                    | -                    | 1.716862        |  |  |  |
| 4       | 2   | 54.4             | 10             | 1573.0               | -                    | 3.385077        |  |  |  |
| 5       | 2   | 59.0             | 8              | 1232.0               | =                    | 3.658670        |  |  |  |
| 6       | 3   | 71.6             | 16             | 1938.0               | 1499.0               | 4.769409        |  |  |  |
| 7       | 2   | 81.6             | 17             | 1486.0               | -                    | 5.379723        |  |  |  |
| 8       | 3   | 91.4             | 7              | 1239.0               | 1189.0               | 6.406323        |  |  |  |
| 9       | 2   | 64.5             | 6              | 1858.0               | =                    | 7.270629        |  |  |  |
| 10      | 3   | 82.8             | 9              | 1466.0               | 1384.0               | 8.020003        |  |  |  |
| 11      | 3   | 54.8             | 16             | 1669.0               | 1485.0               | 8.947315        |  |  |  |
| 12      | 2   | 63.4             | 12             | 1413.0               | -                    | 9.798854        |  |  |  |
| 13      | 2   | 82.5             | 15             | 1319.0               | =                    | 10.411758       |  |  |  |
| 14      | 2   | 89.7             | 15             | 1649.0               | -                    | 11.609213       |  |  |  |

|         | Table 31 - 20MHz Long Sequence Waveform Trial#16 (Detected) |                  |                |                      |                      |                 |  |  |  |
|---------|---|------------------|----------------|----------------------|----------------------|-----------------|--|--|--|
| Burst # | #<br>Pulses   | Pulse Width (us) | Chirp<br>(MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (us) |  |  |  |
| 1       | 2   | 87.3             | 6              | 1473.0               | -                    | 0.762893        |  |  |  |
| 2       | 3   | 89.1             | 18             | 1690.0               | 1247.0               | 1.902893        |  |  |  |
| 3       | 2   | 95.8             | 18             | 1034.0               | -                    | 3.187284        |  |  |  |
| 4       | 1   | 74.2             | 6              | -                    | -                    | 3.416739        |  |  |  |
| 5       | 2   | 78.1             | 9              | 1144.0               | -                    | 4.948117        |  |  |  |
| 6       | 2   | 88.4             | 10             | 1674.0               | -                    | 6.025381        |  |  |  |
| 7       | 2   | 80.1             | 15             | 1841.0               | -                    | 7.244601        |  |  |  |
| 8       | 2   | 66.6             | 12             | 1000.0               | -                    | 7.922737        |  |  |  |
| 9       | 2   | 60.7             | 11             | 1447.0               | -                    | 9.733801        |  |  |  |
| 10      | 2   | 89.6             | 15             | 1067.0               | -                    | 10.154296       |  |  |  |
| 11      | 3   | 55.1             | 12             | 1282.0               | 1267.0               | 11.037189       |  |  |  |

| Table 32 - 20MHz Long Sequence Waveform Trial#17 (Detected) |             |                  |                |                      |                      |                 |
|---|-------------|------------------|----------------|----------------------|----------------------|-----------------|
| Burst #   | #<br>Pulses | Pulse Width (us) | Chirp<br>(MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (us) |
| 1   | 1           | 62.0             | 19             | -                    | -                    | 0.317415        |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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| Table          | 46 - 40MHzDetecti                 | on Bandwidth Mea | asurements (Bandw | vidth: +20MHz /-20 | 0MHz)       |
|----------------|-----------------------------------|------------------|-------------------|--------------------|-------------|
| *Actual center | of bonded chann                   | el was 5510MHz   | z (+20MHz / -20   | MHz)               |             |
| EUT Frequency  | Radar Type                        | Radar Frequency  | # Detected        | # Not Detected     | Success (%) |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5489.00 MHz      | 3                 | 3                  | 50          |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5490.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5491.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5492.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5493.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5494.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5495.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5496.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5497.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5498.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5499.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5500.00 MHz      | 11                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5501.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5502.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5503.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5504.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5505.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5506.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5507.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5508.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5509.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5510.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5511.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5512.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5513.00 MHz      | 10                | 0                  | 100         |
| 5500.00 MHz    | FCC Short Pulse<br>Radar (Type 1) | 5514.00 MHz      | 10                | 0                  | 100         |

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| Table 46 - 40MHzDetection Bandwidth Measurements (Bandwidth: +20MHz /-20MHz ) |                                   |                 |                 |                |             |  |  |  |
|---|-----------------------------------|-----------------|-----------------|----------------|-------------|--|--|--|
| *Actual center  | of bonded chann                   | el was 5510MHz  | z (+20MHz / -20 | MHz)           |             |  |  |  |
| EUT Frequency   | Radar Type                        | Radar Frequency | # Detected      | # Not Detected | Success (%) |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5515.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5516.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5517.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5518.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5519.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5520.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5521.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5522.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5523.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5524.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5525.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5526.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5527.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5528.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5529.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5530.00 MHz     | 10              | 0              | 100         |  |  |  |
| 5500.00 MHz   | FCC Short Pulse<br>Radar (Type 1) | 5531.00 MHz     | 0               | 3              | 0           |  |  |  |

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| Table 47 - Summary Of All Radar Types - 40MHz (Radiated Method) |         |                 |                  |        |  |  |  |
|---|---------|-----------------|------------------|--------|--|--|--|
| Waveform Name   | Pd (%)  | Pd Required (%) | Number of Trials | Status |  |  |  |
| FCC Short Pulse Radar (Type 1)                                  | 100.0 % | 60.0 %          | 30               | PASSED |  |  |  |

These measurements were performed to confirm that the radiated and conducted test methods gave comparable results. Refer to Table 49and Table 50 for the conducted method results for radar type 1 (detected at 100%). A similar comparison was made in the 20MHz bandwidth mode (Table 8 and Table 9). The test level of -64dBm at the antenna was the detection threshold required for this device.

|         | Tab              | le 48 - FCC Si      | ort Pulse I | Radar (Type | 1) Results – 40Ml                  | Hz (Radiated Method)                     |
|---------|------------------|---------------------|-------------|-------------|------------------------------------|--|
| Trial # | Pulses/<br>Burst | Pulse<br>Width (us) | PRI (us)    | Detected    | Fr (MHz) and level (dBm)           | Burst Information                        |
| 1       | 18               | 1.0                 | 1428.0      | Yes         | 5510.0MHz,<br>-64.0dBm             | Single burst (05/06/2011 08:24:08 AM)    |
| 2       | 18               | 1.0                 | 1428.0      | Yes         | 5505.0MHz,<br>-64.0dBm             | Single burst (05/06/2011 08:24:16 AM)    |
| 3       | 18               | 1.0                 | 1428.0      | Yes         | 5515.0MHz,<br>-64.0dBm             | Single burst (05/06/2011 08:24:24<br>AM) |
| 4       | 18               | 1.0                 | 1428.0      | Yes         | 5510.0MHz,<br>-64.0dBm             | Single burst (05/06/2011 08:24:32<br>AM) |
| 5       | 18               | 1.0                 | 1428.0      | Yes         | 5505.0MHz,<br>-64.0dBm             | Single burst (05/06/2011 08:24:40 AM)    |
| 6       | 18               | 1.0                 | 1428.0      | Yes         | 5515.0MHz,<br>-64.0dBm             | Single burst (05/06/2011 08:24:48 AM)    |
| 7       | 18               | 1.0                 | 1428.0      | Yes         | 5510.0MHz,<br>-64.0dBm             | Single burst (05/06/2011 08:24:55<br>AM) |
| 8       | 18               | 1.0                 | 1428.0      | Yes         | 5505.0MHz,                         | Single burst (05/06/2011 08:25:03        |
| 9       | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5515.0MHz,<br>-64.0dBm | AM) Single burst (05/06/2011 08:25:11    |
| 10      | 18               | 1.0                 | 1428.0      | Yes         | 5510.0MHz,                         | AM) Single burst (05/06/2011 08:25:18    |
| 11      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5505.0MHz,             | AM) Single burst (05/06/2011 08:25:26    |
| 12      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5515.0MHz,             | AM) Single burst (05/06/2011 08:25:36    |
| 13      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5510.0MHz,             | AM) Single burst (05/06/2011 08:25:45    |
| 14      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5505.0MHz,             | AM) Single burst (05/06/2011 08:25:53    |
| 15      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5515.0MHz,             | AM) Single burst (05/06/2011 08:26:01    |
| 16      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5510.0MHz,             | AM)<br>Single burst (05/06/2011 08:26:08 |
| 17      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5505.0MHz,             | AM) Single burst (05/06/2011 08:26:17    |
| 18      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5515.0MHz,             | AM) Single burst (05/06/2011 08:26:26    |
|         |                  |                     |             |             | -64.0dBm<br>5510.0MHz,             | AM) Single burst (05/06/2011 08:26:37    |
| 19      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5505.0MHz,             | AM) Single burst (05/06/2011 08:26:47    |
| 20      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm<br>5515.0MHz,             | AM) Single burst (05/06/2011 08:26:59    |
| 21      | 18               | 1.0                 | 1428.0      | Yes         | -64.0dBm                           | AM)                                      |

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

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

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

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

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

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

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

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

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

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| 2011 03:27:51<br>2011 03:28:00<br>2011 03:28:07<br>2011 03:28:14<br>2011 03:28:21<br>2011 03:28:28<br>2011 03:28:39 |
|---|
| 2011 03:28:00<br>2011 03:28:07<br>2011 03:28:14<br>2011 03:28:21<br>2011 03:28:28                                   |
| 2011 03:28:07<br>2011 03:28:14<br>2011 03:28:21<br>2011 03:28:28  |
| 2011 03:28:14<br>2011 03:28:21<br>2011 03:28:28   |
| 2011 03:28:21   |
| 2011 03:28:28   |
|   |
| 2011 03:28:39   |
|   |
| 2011 03:28:47   |
| 2011 03:28:54   |
| 2011 03:29:01   |
| 2011 03:29:09   |
| 2011 03:29:17   |
| 2011 03:29:24   |
| 2011 03:29:38   |
| 2011 03:29:46   |
| 2011 03:29:54   |
| 2011 03:30:01   |
| 2011 03:30:09   |
| 2011 03:30:17   |
| 2011 03:30:39   |
| 2011 03:30:49   |
| 2011 03:30:57   |
| 2011 03:31:06   |
| 2011 03:31:14   |
| 2011 03:31:21   |
| 2011 03:31:33   |
| 2011 03:31:45   |
|   |

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

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| Table 54 - Long Sequence Waveform Summary 40MHz |              |                             |  |  |  |  |
|---|--------------|-----------------------------|--|--|--|--|
| Long Sequence Trial                             | Result       | Radar Frequency / Amplitude |  |  |  |  |
| Trial #1  | Detected     | 5500.0MHz,                  |  |  |  |  |
| 11141 // 1                                      | Beteeted     | -61.0dBm                    |  |  |  |  |
| Trial #2  | Detected     | 5495.0MHz,                  |  |  |  |  |
|   | 200000       | -61.0dBm                    |  |  |  |  |
| Trial #3  | Detected     | 5505.0MHz,                  |  |  |  |  |
|   |              | -61.0dBm                    |  |  |  |  |
| Trial #4  | Detected     | 5500.0MHz,<br>-61.0dBm      |  |  |  |  |
|   |              | 5495.0MHz,                  |  |  |  |  |
| Trial #5  | Detected     | -61.0dBm                    |  |  |  |  |
|   | 11000        | 5505.0MHz,                  |  |  |  |  |
| Trial #6  | NOT Detected | -61.0dBm                    |  |  |  |  |
| T.:: .1 #7                                      | Directed     | 5500.0MHz,                  |  |  |  |  |
| Trial #7  | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #8  | Detected     | 5495.0MHz,                  |  |  |  |  |
| 11141 #0  | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #9  | Detected     | 5505.0MHz,                  |  |  |  |  |
| 11141 117                                       | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #10                                       | Detected     | 5500.0MHz,                  |  |  |  |  |
|   | 2 00000      | -61.0dBm                    |  |  |  |  |
| Trial #11                                       | Detected     | 5495.0MHz,                  |  |  |  |  |
|   |              | -61.0dBm                    |  |  |  |  |
| Trial #12                                       | Detected     | 5505.0MHz,<br>-61.0dBm      |  |  |  |  |
|   |              | 5500.0MHz,                  |  |  |  |  |
| Trial #13                                       | Detected     | -61.0dBm                    |  |  |  |  |
|   |              | 5495.0MHz,                  |  |  |  |  |
| Trial #14                                       | NOT Detected | -61.0dBm                    |  |  |  |  |
|   |              | 5505.0MHz,                  |  |  |  |  |
| Trial #15                                       | Detected     | -61.0dBm                    |  |  |  |  |
| T.: .1 #1.6                                     | Directed     | 5500.0MHz,                  |  |  |  |  |
| Trial #16                                       | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #17                                       | Detected     | 5495.0MHz,                  |  |  |  |  |
| 111α1 π1 /                                      | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #18                                       | Detected     | 5505.0MHz,                  |  |  |  |  |
|   | 200000       | -61.0dBm                    |  |  |  |  |
| Trial #19                                       | Detected     | 5500.0MHz,                  |  |  |  |  |
|   |              | -61.0dBm                    |  |  |  |  |
| Trial #20                                       | NOT Detected | 5495.0MHz,<br>-61.0dBm      |  |  |  |  |
|   |              | 5505.0MHz,                  |  |  |  |  |
| Trial #21                                       | Detected     | -61.0dBm                    |  |  |  |  |
| T. 1 1/22                                       | -            | 5500.0MHz,                  |  |  |  |  |
| Trial #22                                       | Detected     | -61.0dBm                    |  |  |  |  |
| Trio1 #22                                       | Doto-to-d    | 5495.0MHz,                  |  |  |  |  |
| Trial #23                                       | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #24                                       | Detected     | 5505.0MHz,                  |  |  |  |  |
| 111α1 π <b>Δ</b> ¬                              | Detected     | -61.0dBm                    |  |  |  |  |
| Trial #25                                       | Detected     | 5500.0MHz,                  |  |  |  |  |
|   | 200000       | -61.0dBm                    |  |  |  |  |
| Trial #26                                       | NOT Detected | 5495.0MHz,                  |  |  |  |  |
|   |              | -61.0dBm                    |  |  |  |  |
| Trial #27                                       | Detected     | 5505.0MHz,<br>-61.0dBm      |  |  |  |  |

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

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

|         | Table 56 - 40MHz Long Sequence Waveform Trial#2 (Detected) |             |       |                      |                      |                 |  |  |  |
|---------|--|-------------|-------|----------------------|----------------------|-----------------|--|--|--|
| Burst # | #  | Pulse Width | Chirp | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (us) |  |  |  |
| 1       | Pulses   | (us)        | (MHz) | ` ,                  | 1260.0               | ` ′             |  |  |  |
| 1       | 3  | 81.0        | 16    | 1483.0               | 1369.0               | 0.334898        |  |  |  |
| 2       | 2  | 71.6        | 9     | 1651.0               | -                    | 1.742884        |  |  |  |
| 3       | 2  | 82.9        | 13    | 1702.0               | -                    | 4.142385        |  |  |  |
| 4       | 2  | 62.5        | 8     | 1778.0               | =                    | 5.142824        |  |  |  |
| 5       | 2  | 85.9        | 13    | 1942.0               | =                    | 7.234295        |  |  |  |
| 6       | 1  | 98.0        | 14    | =                    | =                    | 8.999008        |  |  |  |
| 7       | 3  | 90.0        | 7     | 1631.0               | 1594.0               | 9.131713        |  |  |  |
| 8       | 3  | 86.6        | 16    | 1946.0               | 1180.0               | 11.415092       |  |  |  |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

| Table 69 - 40MHz Long Sequence Waveform Trial#15 (Detected) |             |                  |                |                      |                      |                 |  |  |  |
|---|-------------|------------------|----------------|----------------------|----------------------|-----------------|--|--|--|
| Burst #   | #<br>Pulses | Pulse Width (us) | Chirp<br>(MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (us) |  |  |  |
| 1   | 1           | 94.0             | 15             | -                    | -                    | 0.204861        |  |  |  |
| 2   | 1           | 62.6             | 13             | -                    | -                    | 1.271213        |  |  |  |
| 3   | 1           | 67.1             | 15             | -                    | -                    | 1.716862        |  |  |  |
| 4   | 2           | 54.4             | 10             | 1573.0               | -                    | 3.385077        |  |  |  |
| 5   | 2           | 59.0             | 8              | 1232.0               | -                    | 3.658670        |  |  |  |
| 6   | 3           | 71.6             | 16             | 1938.0               | 1499.0               | 4.769409        |  |  |  |
| 7   | 2           | 81.6             | 17             | 1486.0               | -                    | 5.379723        |  |  |  |
| 8   | 3           | 91.4             | 7              | 1239.0               | 1189.0               | 6.406323        |  |  |  |
| 9   | 2           | 64.5             | 6              | 1858.0               | -                    | 7.270629        |  |  |  |
| 10  | 3           | 82.8             | 9              | 1466.0               | 1384.0               | 8.020003        |  |  |  |
| 11  | 3           | 54.8             | 16             | 1669.0               | 1485.0               | 8.947315        |  |  |  |
| 12  | 2           | 63.4             | 12             | 1413.0               | -                    | 9.798854        |  |  |  |
| 13  | 2           | 82.5             | 15             | 1319.0               | -                    | 10.411758       |  |  |  |
| 14  | 2           | 89.7             | 15             | 1649.0               | -                    | 11.609213       |  |  |  |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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03:34:56 PM)

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

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

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

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

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

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

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

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

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

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|         | Table 85 - FCC frequency hopping radar (Type 6) Results 40MHz |                     |          |          |                          |   |  |  |  |
|---------|---|---------------------|----------|----------|--------------------------|---|--|--|--|
| Trial # | Pulses/<br>Burst  | Pulse<br>Width (us) | PRI (us) | Detected | Fr (MHz) and level (dBm) | Burst Information   |  |  |  |
| 21      | 9   | 1.0                 | 333.0    | Yes      | 5508.0MHz,<br>-69.0dBm   | Hop sequence: 5588, 5297, 5275, 5465, 5514, 5414, 5254, 5661, 5301, 5646, 5401, 5637, 5714, 5669, 5547, 5376, 5326, 5662, 5657, 5505, 5498, 5386, 5375, 5336, 5469, 5271, 5517, 5715, 5438, 5293, 5419, 5484, 5387, 5582, 5315, 5530, 5638, 5347, 5285, 5545, 5673, 5395, 5676, 5463, 5338, 5455, 5487, 5453, 5564, 5381, 5489, 5290, 5460, 5450, 5267, 5321, 5516, 5509, 5663, 5651, 5541, 5533, 5436, 5273, 5473, 5306, 5456, 5259, 5551, 5349, 5433, 5499, 5502, 5467, 5268, 5417, 5687, 5655, 5726, 5486, 5416, 5688, 5540, 5596, 5702, 5406, 5522, 5620, 5276, 5680, 5330, 5600, 5357, 5619, 5298, 5296, 5592, 5379, 5252, 5611 (10 hits) (04/15/2011 03:39:27 PM) |  |  |  |
| 22      | 9   | 1.0                 | 333.0    | Yes      | 5509.0MHz,<br>-69.0dBm   | Hop sequence: 5632, 5293, 5647, 5375, 5516, 5367, 5456, 5300, 5416, 5496, 5294, 5650, 5457, 5615, 5409, 5344, 5287, 5272, 5627, 5506, 5677, 5273, 5297, 5405, 5345, 5620, 5377, 5600, 5492, 5286, 5321, 5557, 5450, 5333, 5671, 5646, 5640, 5555, 5669, 5515, 5652, 5304, 5636, 5265, 5596, 5509, 5672, 5289, 5268, 5262, 5517, 5692, 5523, 5401, 5318, 5594, 5353, 5313, 5522, 5404, 5363, 5633, 5428, 5699, 5497, 5643, 5616, 5519, 5704, 5413, 5359, 5400, 5687, 5408, 5469, 5275, 5725, 5407, 5589, 5623, 5475, 5397, 5580, 5617, 5527, 5488, 5389, 5705, 5473, 5551, 5606, 5302, 5585, 5546, 5498, 5612, 5471, 5587, 5264, 5607 (13 hits) (04/15/2011 03:39:41 PM) |  |  |  |

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

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

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

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

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

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

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

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

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

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

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### Appendix C Test Data Tables and Plots for Channel Closing

#### FCC PART 15 SUBPART E Channel Closing Measurements

| Table 86 FCC Part 15 Subpart E Channel Closing Test Results |                      |       |                      |        |          |  |  |
|---|----------------------|-------|----------------------|--------|----------|--|--|
| Waveform Type   | Channel<br>Transmiss |       | Channe               | Result |          |  |  |
| waveform Type   | Measured             | Limit | Time  Measured Limit |        | Result   |  |  |
| Radar Type 1  | 25.02 ms             | 60 ms | 6.306 s              | 10 s   | Complies |  |  |
| Radar Type 5  | 0 ms                 | 60 ms | 0 ms                 | 10 s   | Complies |  |  |

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

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<sup>&</sup>lt;sup>1</sup> Channel closing time for FCC measurements is the aggregate transmission time starting from 200ms after the end of the radar signal to the completion of the channel move.

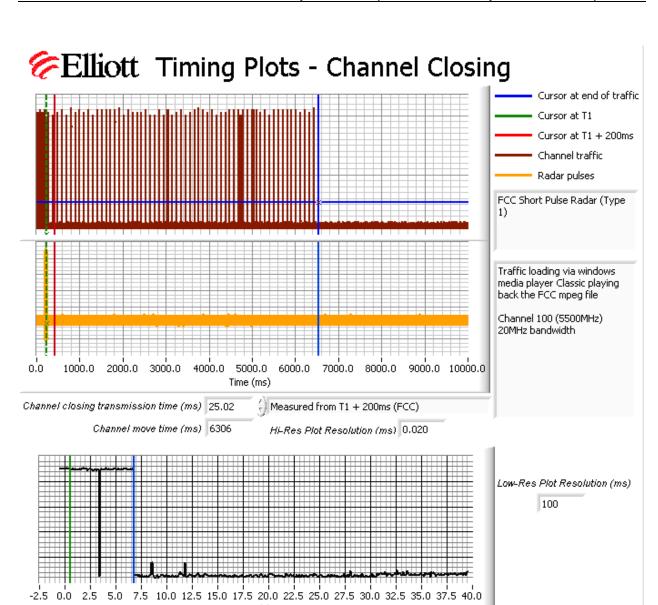


Figure 5 Channel Closing Time and Channel Move Time – 40 second plot

ow Resolution Analyzer Plot to Verify Channel Move.

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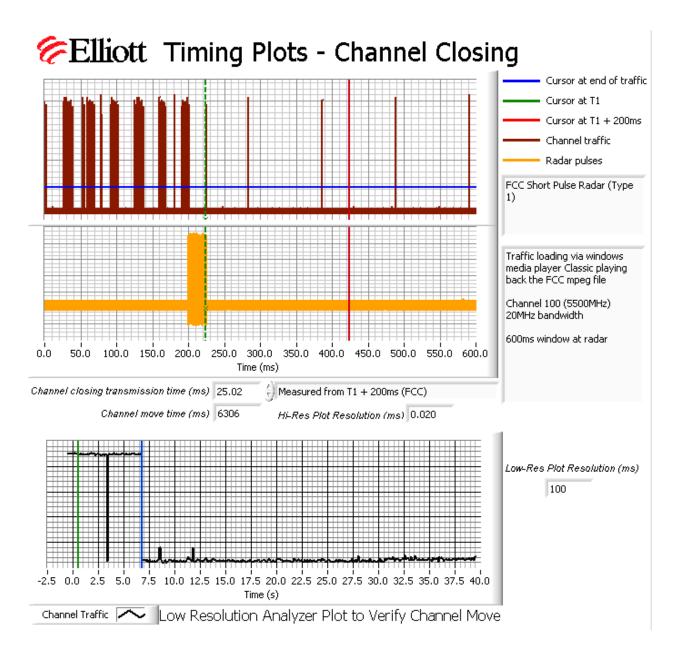


Figure 6 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar

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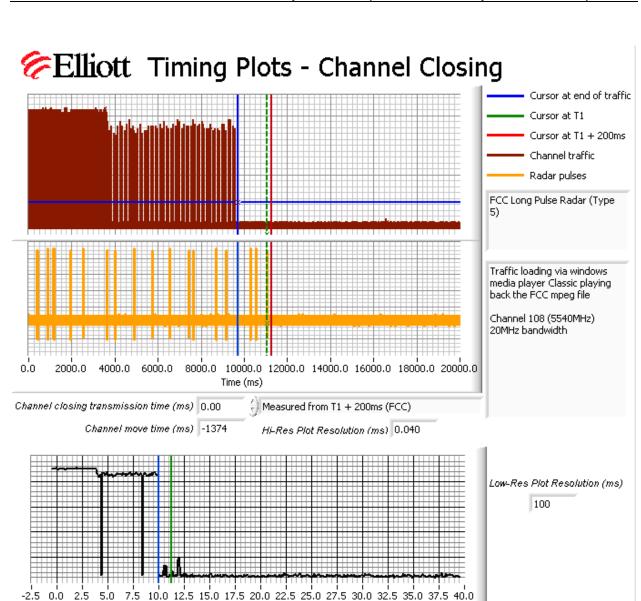


Figure 7 Channel Closing Time and Channel Move Time – 40 second plot

ow Resolution Analyzer Plot to Verify Channel Move.

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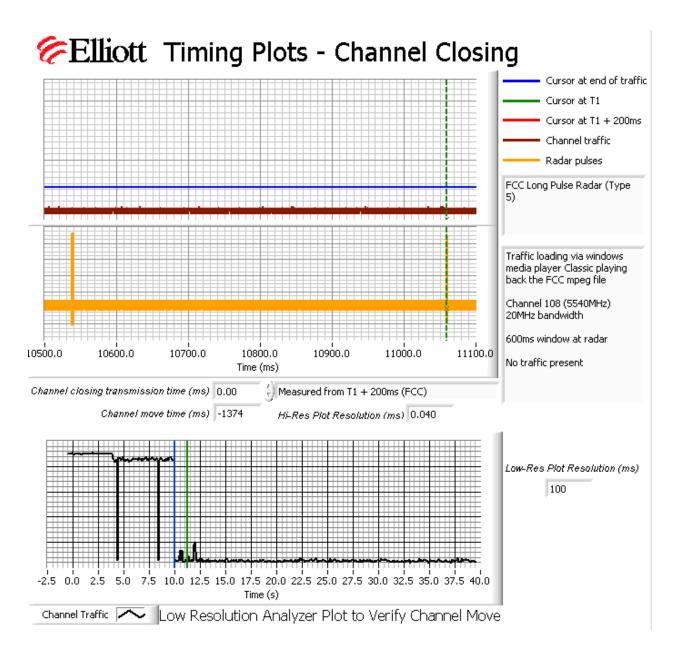
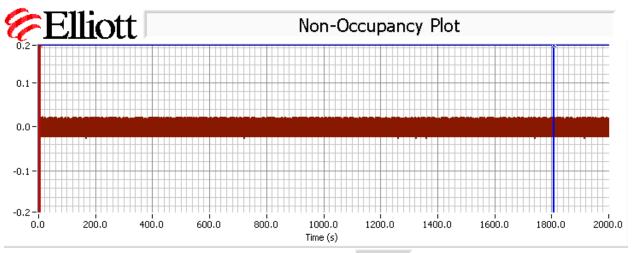


Figure 8 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar

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Time between cursors (s) 1800.0

5500 MHz monitored immediately before, during and for a minimum of 30 minutes following the channel move. Plot shows channel traffic prior to channel move and no traffic on the vacated channel after the channel move.

#### Figure 9 Radar Channel Non-Occupancy Plot

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

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Report Date: February 4, 2013

#### Appendix D Test Data - Channel Availability Check

5250- 5350 MHz, 5470 - 5725 MHz

**Elliott** 

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

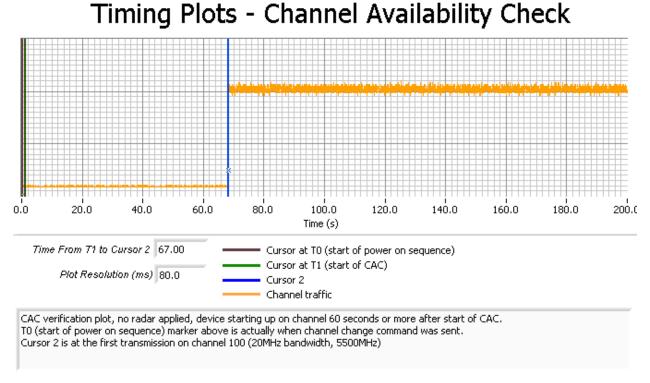


Figure 10 Plot of EUT Start-Up After CAC (20MHz mode)

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

The level of the radar signal applied was -69dBm. Measurements were made on channel 100 (5500 MHz).

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

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

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# Timing Plots - Channel Availability Check

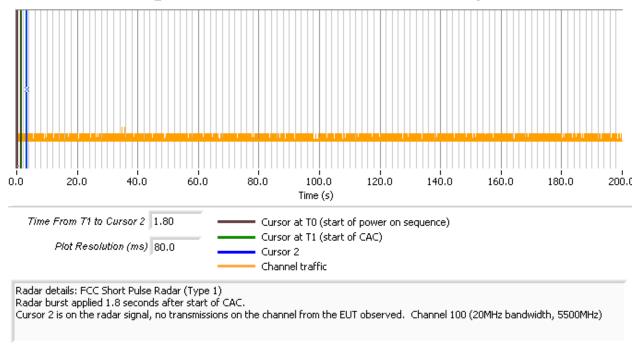


Figure 11 Radar Applied At Start of CAC (20MHz mode)



## Timing Plots - Channel Availability Check

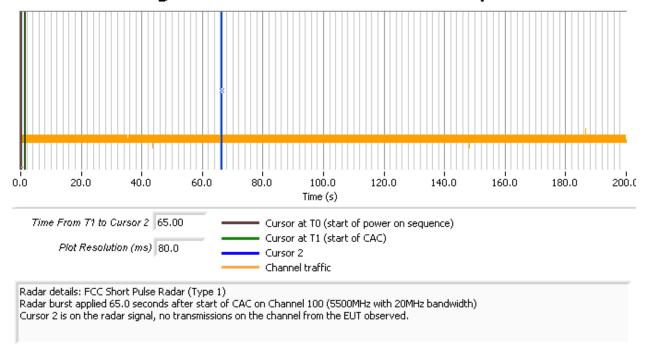


Figure 12 Radar Applied At End of CAC (20MHz mode)

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# **Elliott**

## Timing Plots - Channel Availability Check

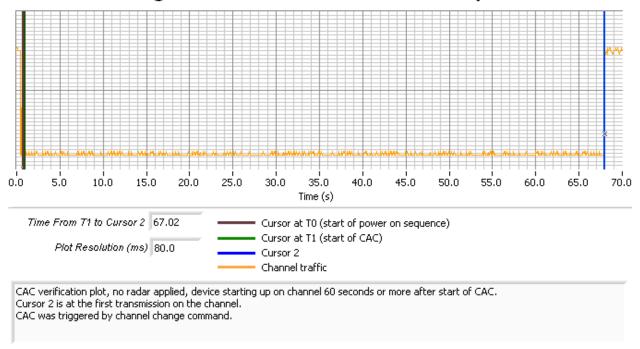


Figure 13 Plot of EUT Start-Up After CAC (5510MHz 40MHz channel)

# **Elliott**

## Timing Plots - Channel Availability Check

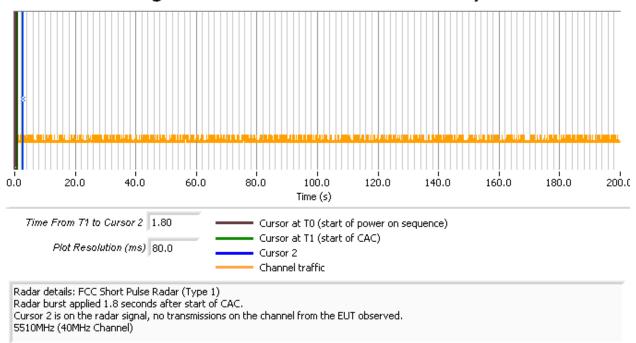


Figure 14 Radar Applied At Start of CAC (40MHz mode)

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# Timing Plots - Channel Availability Check

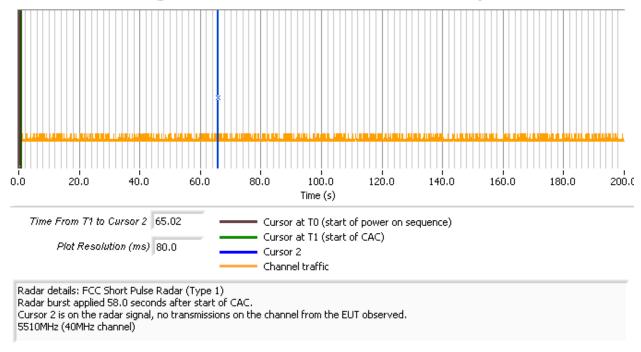


Figure 15 Radar Applied At End of CAC (40MHz mode)

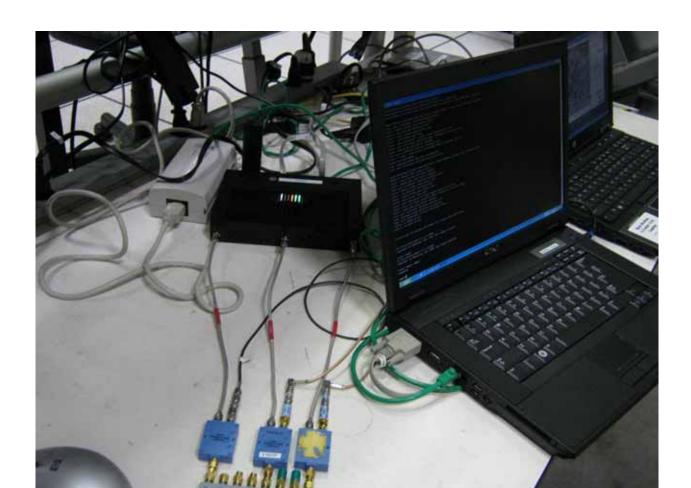
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| Output         | Output                |                       | EI   | RP    |                        | Conducted           |
|----------------|-----------------------|-----------------------|------|-------|------------------------|---------------------|
| Power<br>(dBm) | Antenna<br>Gain (dBi) | Antenna<br>type (dBi) | dBm  | mW    | DFS Threshold<br>(dBm) | Test Level<br>(dBm) |
| 7.5            | 13.9                  | yagi                  | 21.4 | 138.0 | -62                    | -47.1               |
| 15             | 5                     | dipole                | 20   | 100.0 | -62                    | -56                 |
| 18             | 5.5                   | patch                 | 23.5 | 223.9 | -64                    | -57.5               |
| 10             | 13                    | panel                 | 23   | 199.5 | -62                    | -48                 |
| 25             | 2                     | omni.                 | 27   | 501.2 | -64                    | -61                 |
| 20             | 2                     | omni                  | 22   | 158.5 | -62                    | -59                 |

Test level = Threshold + Antenna Gain + 1dB

The additional 1dB is the allowance to test at a level 1dB above the required threshold as detailed in the FCC test procedure

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