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# *TEST REPORT*

*Covering the*
*DYNAMIC FREQUENCY SELECTION (DFS)*
*REQUIREMENTS*
*OF*

*FCC Part 15 Subpart E (UNII), RSS-247*

*Redline Communications*
*Model(s): RDL-3100-RMA*

| | |
|---|---|
| IC CERTIFICATION #: | 4310A-RDL3100RMA |
| FCC ID: | QC8-RDL3100RMA |
| COMPANY: | Redline Communications<br>302 Town Center Blvd<br>Markham, Ontario, Canada, L3R 0E8 |
| TEST SITE: | National Technical Systems - Silicon Valley<br>41039 Boyce Road<br>Fremont, CA 94538 |
| REPORT DATE: | May 23, 2017 |
| REVISION DATE: | July 10, 2017 |
| FINAL TEST DATE: | May 17-18, 2018 |
| TEST ENGINEER: | Mehran Birgani, Mark Hill |
| TOTAL NUMBER OF PAGES: | 132 |

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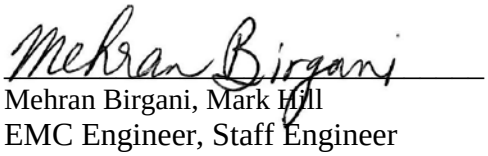

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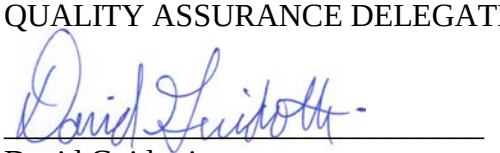

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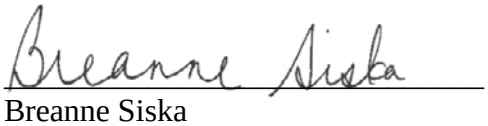

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## *REVISION HISTORY*

| Rev # | Date | Comments | Modified By |
|---|---|---|---|
| 0 | May 23, 2017 | Initial Release | - |
| 1.0 | July 10, 2017 | Minor editorial corrections. | MEH |

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## *SCOPE*

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

- FCC Part 15 Subpart E Unlicensed National Information Infrastructure (U-NII) Devices.
- RSS-247 Local Area Network Devices.

Tests were performed in accordance with these standards together with the current published versions of the basic standards referenced therein including FCC KDB 905462 D02 and FCC KDB 905462 D03 as outlined in NTS Silicon Valley test procedures. The test results recorded herein are based on a single type test of the Redline Communications model RDL-3100-RMA and therefore apply only to the tested sample. The sample was selected and prepared by Nada Bajramovic-Bespalko of Redline Communications.

## *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 Redline Communications model RDL-3100-RMA complied with the DFS requirements of FCC Part 15.407(h)(2), RSS-247.

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

## *DEVIATIONS FROM THE STANDARD*

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

## *TEST RESULTS*

### *TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE*

| **Table 1 - FCC Part 15 Subpart E Master Device Test Result Summary (10MHz)** | | | | | | |
|---|---|---|---|---|---|---|
| Description | Radar Type | EUT Frequency | Measured Value | Requirement | Test Data | Status |
| In-Service Monitoring Detection Threshold | Type 1<br>Type 2<br>Type 3<br>Type 4<br>Type 5<br>Type 6 | 5500MHz | -64 dBm (note 2) | -64dBm (See note 2) | Appendix B | Pass |
| Bandwidth Detection | Type 0 | 5500MHz | 8.6 MHz | 100% of the 99% BW – 8.2MHz (Note 4) | Appendix B | Pass |

1) Tests were performed using the radiated test method.
2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 10 dBi. The limit is based on an eirp of more than 23 dBm.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.
4) The 99% bandwidth test results are contained within a separate RF test report.

| **Table 2 - FCC Part 15 Subpart E Master Device Test Result Summary (20MHz)** | | | | | | |
|---|---|---|---|---|---|---|
| Description | Radar Type | EUT Frequency | Measured Value | Requirement | Test Data | Status |
| In-Service Monitoring Detection Threshold | Type 1<br>Type 2<br>Type 3<br>Type 4<br>Type 5<br>Type 6 | 5500MHz | -64 dBm (note 2) | -64dBm (See note 2) | Appendix B | Pass |
| Bandwidth Detection | Type 0 | 5500MHz | 16.8 MHz | 100% of the 99% BW – 16.4MHz (Note 4) | Appendix B | Pass |

1) Tests were performed using the radiated test method.
2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 10 dBi. The limit is based on an eirp of more than 23 dBm.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.
4) The 99% bandwidth test results are contained within a separate RF test report.

| **Table 3 - FCC Part 15 Subpart E Master Device Test Result Summary (40MHz)** | | | | | | |
|---|---|---|---|---|---|---|
| Description | Radar Type | EUT Frequency | Measured Value | Requirement | Test Data | Status |
| Channel Availability Check (CAC) Time | Type 0 | 5500MHz | >60s | ≥ 60s | Appendix D | Pass |
| CAC Detection Threshold | Type 0 | 5500MHz | -63 dBm (note 2) | -64dBm (See note 2) | Appendix D | Pass |
| In-Service Monitoring Detection Threshold | Type 1<br>Type 2<br>Type 3<br>Type 4<br>Type 5<br>Type 6 | 5500MHz | -63 dBm (note 2) | -64dBm (See note 2) | Appendix B | Pass |
| Bandwidth Detection | Type 0 | 5500MHz | 33.0 MHz | 100% of the 99% BW – 33MHz (Note 4) | Appendix B | Pass |
| Channel closing transmission time | Type 0 | 5500MHz | 0ms | ≤ 260ms | Appendix C | Pass |
| Channel move time | Type 0 | 5500MHz | 46ms | ≤ 10s | Appendix C | Pass |
| Non-occupancy period | Type 0 | 5500MHz | >30 minutes | > 30 minutes | Appendix C | Pass |
| Uniform Loading | | - | - | Uniform Loading | Refer to operational description | Pass |

1) Tests were performed using the radiated test method.
2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 10 dBi. The limit is based on an eirp of more than 23 dBm.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.
4) The 99% bandwidth test results are contained within a separate RF test report.

*TEST RESULTS SUMMARY – FCC Part 15, CLIENT DEVICE*

| **Table 4 - FCC Part 15 Subpart E Client Device Test Result Summary** | | | | | | |
|---|---|---|---|---|---|---|
| Description | Radar Type | EUT Frequency | Measured Value | Requirement | Test Data | Status |
| Channel closing transmission time | Type 0 | 5500MHz | 0ms | ≤ 260ms | Appendix C | Pass |
| Channel move time | Type 0 | 5500MHz | 40ms | ≤ 10s | Appendix C | Pass |
| Non-occupancy period - associated | Type 0 | 5500MHz | >30 minutes | > 30 minutes | Appendix C | Pass |
| Passive Scanning | N/A | N/A | Refer to manufacturer attestation | | | |

1) Tests were performed using the radiated test method.
2) Channel availability check and detection threshold are not applicable to client devices.

*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<br>(Channel move time, aggregate transmission time) | ms | Timing resolution +/- 0.24% |
| Timing<br>(non occupancy period) | seconds | 5 seconds |
| DFS Threshold (radiated) | dBm | 1.6 |
| DFS Threshold (conducted) | dBm | 1.2 |

## *EQUIPMENT UNDER TEST (EUT) DETAILS*

### *GENERAL*

The Redline Communications model RDL-3100-RMA is a 2x2 MIMO point to point (PTP) and point to multipoint (PMP) carrier grade broadband wireless infrastructure product, designed to operate in the 5.25-5.35GHz and 5.47-5.725GHz bands. The EUT was treated as table-top equipment during testing to simulate the end-user environment. The electrical rating of the EUT is 55V DC, 0.6 Amps delivered over the Ethernet interface.

The samples were received on May 17, 2017 and tested on May 17-18, 2018. The EUT consisted of the following component(s):

| Manufacturer | Model | Description | Serial Number |
|---|---|---|---|
| Redline Communications | RDL-3100-RMA | Master | 318SC16300040 |
| Redline Communications | RDL-3100-RMA | Client | 318SC16300035 |
| Redline Communications | HG5158DP-10U | Omnidirectional 10dBi antenna | N/A |
| Redline Communications | HG5158DP-10U | Omnidirectional 10dBi antenna | N/A |

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

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

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

| | 5250 – 5350 MHz | 5470 – 5725 MHz |
|---|---|---|
| Lowest Antenna Gain (dBi) | 10 | 10 |
| Highest Antenna Gain (dBi) | 32 | 32 |
| EIRP Output Power (dBm) | 30 | 30 |

☒ Power can exceed 200mW eirp

**Channel Protocol**

☒ Frame Based

*ENCLOSURE*

The EUT has no enclosure. It is designed to be installed within the enclosure of a host system.

*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 |
|---|---|---|---|---|
| *Redline Communications* | *RDL-3100-RMA* | *Master* | *318SC16300040* | *QC8-RDL3100RMA* |
| *Redline Communications* | *RDL-3100-RMA* | *Client* | *318SC16300035* | *QC8-RDL3100RMA* |
| Lenovo | X201i | Laptop Computer | N/A | N/A |
| Lenovo | T410 | Laptop Computer | N/A | N/A |
| Microsemi | PD-9001GR/AC | POE Adapter (x2) | N/A | N/A |

The italicized device was the master device and client device.

*EUT INTERFACE PORTS*

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

| Port | Connected To | Cable(s) | | |
|---|---|---|---|---|
| | | Description | Shielded or Unshielded | Length (m) |
| Master EUT – Ethernet | Remote POE | CAT5 | Shielded | 10.0 |
| Master EUT – GPS | GPS Antenna | Coaxial | Shielded | 3.0 |
| Master RF Ports (x2) | Omni Antennas (x2) | Coaxial | Shielded | 0.2 |
| Client EUT – Ethernet | Remote POE | CAT5 | Shielded | 10.0 |
| Client RF Ports (x2) | Omni Antennas (x2) | Coaxial | Shielded | 0.2 |

*EUT OPERATION*

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

Master Device: 0.99.181

Client Device: 0.99.181

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

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

Testing was performed in the 50/50 talk/listen mode, as this represents the worse case frame settings.

Refer to the RDL-3100-RMA theory of operation document for the information about the power-on cycle time, statement about security of radar detection parameters and initial channel selection.

The RF energy emitted from the RDL-3100-RMA is below the FCC 15.109 limits for unintentional radiators when it is not transmitting. Refer to separate report covering unintentional emissions.

## *RADAR WAVEFORMS*

| **Table 5 - FCC Short Pulse Radar Test Waveforms** | | | | | | |
|---|---|---|---|---|---|---|
| Radar Type | | Pulse Width (µsec) | PRI (µsec) | Pulses / burst | Minimum Detection Percentage | Minimum Number of Trials |
| 0 | | 1 | 1428 | 18 | See **Note 1** | |
| 1 | 1a | 1 | 15 unique PRI values randomly selected from the list of 23 PRI values in **Note 2** below | Round Up 1/360* $19*10^6$/ $PRI_{\mu sec}$ | 60% | 15 |
| | 1b | | 518-3066 with minimum increment of 1 µsec, excluding PRI values selected in 1a | | | 15 |
| 2 | | 1-5 | 150-230 | 23-29 | 60% | 30 |
| 3 | | 6-10 | 200-500 | 16-18 | 60% | 30 |
| 4 | | 11-20 | 200-500 | 12-16 | 60% | 30 |
| Aggregate (Radar Types 1-4) | | | | | 80% | 120 |

**Note 1:** Short Pulse Radar Type 0 is used for the detection bandwidth test, channel move time, and channel closing time tests.

**Note 2:** Pulse repetition intervals values for Test 1a above

| **Pulse Repetition Frequency Number** | **Pulse Repetition Frequency (Pulses Per Second)** | **Pulse Repetition Interval (Microseconds)** |
|---|---|---|
| 1 | 1930.5 | 518 |
| 2 | 1858.7 | 538 |
| 3 | 1792.1 | 558 |
| 4 | 1730.1 | 578 |
| 5 | 1672.2 | 598 |
| 6 | 1618.1 | 618 |
| 7 | 1567.4 | 638 |
| 8 | 1519.8 | 658 |
| 9 | 1474.9 | 678 |
| 10 | 1432.7 | 698 |
| 11 | 1392.8 | 718 |
| 12 | 1355 | 738 |
| 13 | 1319.3 | 758 |
| 14 | 1285.3 | 778 |
| 15 | 1253.1 | 798 |
| 16 | 1222.5 | 818 |
| 17 | 1193.3 | 838 |
| 18 | 1165.6 | 858 |
| 19 | 1139 | 878 |
| 20 | 1113.6 | 898 |
| 21 | 1089.3 | 918 |
| 22 | 1066.1 | 938 |
| 23 | 326.2 | 3066 |

| **Table 6 - FCC Long Pulse Radar Test Waveforms** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Radar Type | Pulse Width (µsec) | Chirp Width (MHz) | PRI (µsec) | Pulses / burst | Number of *Bursts* | Minimum Detection Percentage | Minimum Number of Trials |
| 5 | 50-100 | 5-20 | 1000-2000 | 1-3 | 8-20 | 80% | 30 |

| **Table 7 - FCC Frequency Hopping Radar Test Waveforms** | | | | | | | |
|---|---|---|---|---|---|---|---|
| Radar Type | Pulse Width (µsec) | PRI (µsec) | Pulses / hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Minimum Detection Percentage | Minimum Number of Trials |
| 6 | 1 | 333 | 9 | 0.333 | 300 | 70% | 30 |

## DFS TEST METHODS

### RADIATED TEST METHOD

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

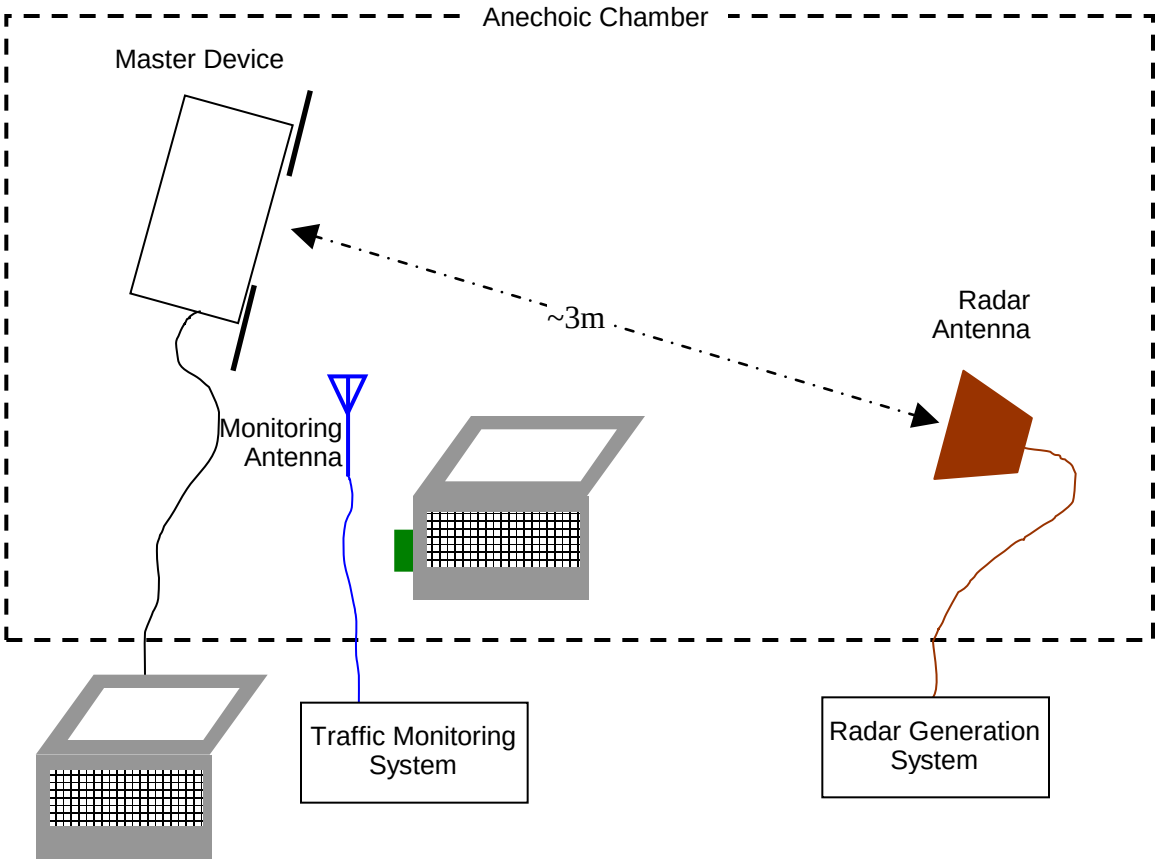



**Figure 1 Test Configuration for radiated Measurement Method**

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

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

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

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

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

## DFS MEASUREMENT INSTRUMENTATION

### RADAR GENERATION SYSTEM

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

With the exception of the hopping waveforms required by the FCC's rules (see below), the radar generator is set to a single frequency within the radar detection bandwidth of the EUT. The frequency is varied from trial to trial by stepping in 5MHz steps. For radar types with variable parameters, each detection probability trial is performed using a unique set of parameters obtained by a random selection with uniform distribution for each of the variable parameters.

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 long duration pulse waveform generated in the same manner as the normal radar generated signals.

The generator output is connected to the coupling port of the conducted set-up or to the radar-generating antenna. The radar generating antenna (when used) is oriented for vertical polarization.

*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.

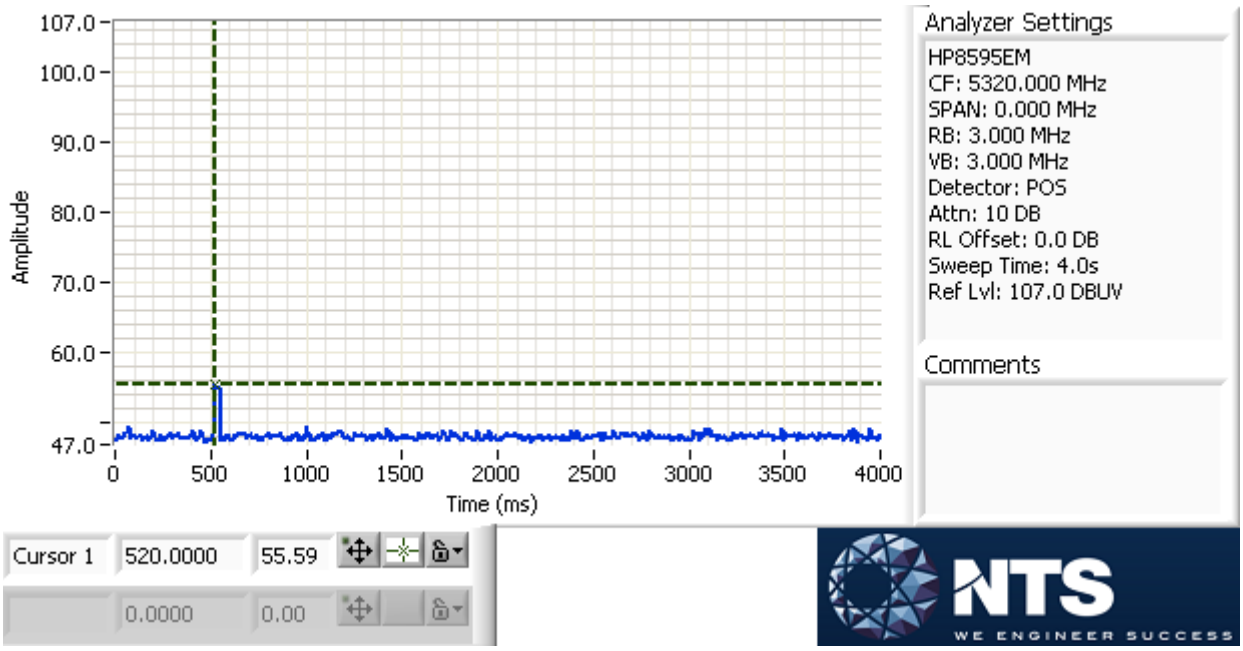



**Figure 2 SA Noise Floor During Testing (radar shown at 520 ms)**

*RADAR GENERATOR PLOTS*

The radar generator was connected to Spectrum Analyzer (SA) input, with the SA set to zero span, 3 MHz RBW, 3 MHz VBW. The SA IF output was connected to an oscilloscope to provide timing plots.

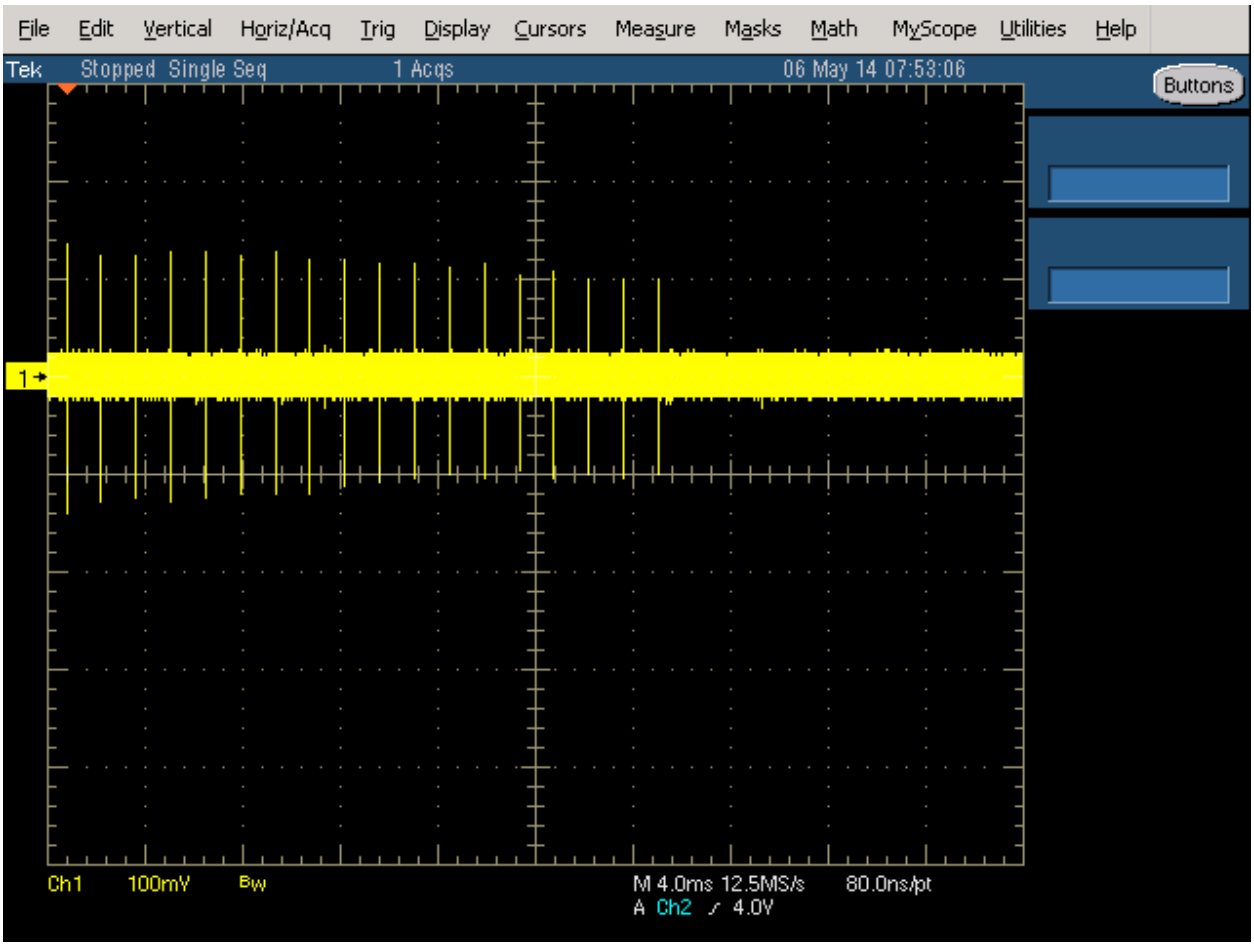



**Figure 3 FCC Type 1 Radar (18 pulses)**

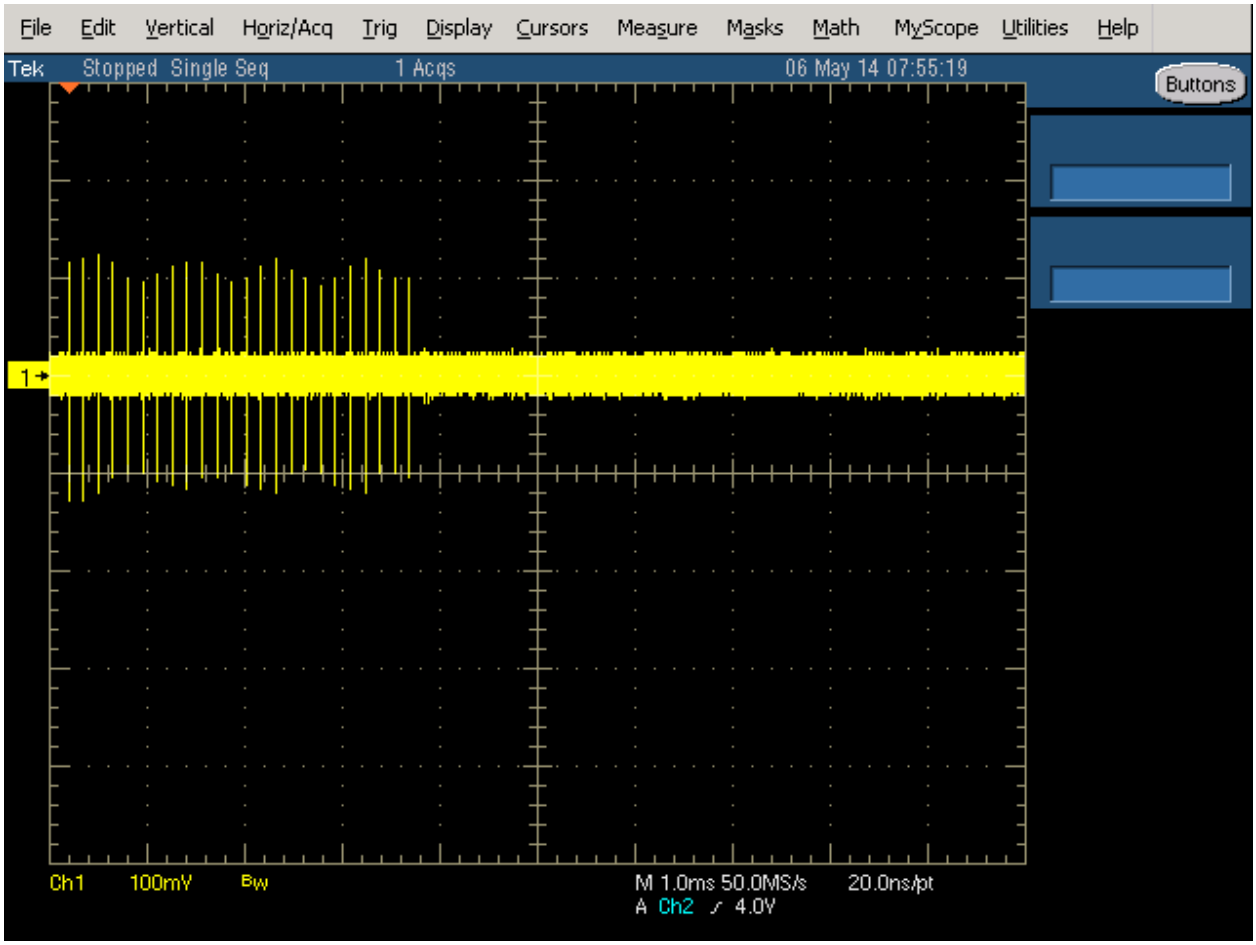



**Figure 4 FCC Type 2 Radar (24 pulses)**

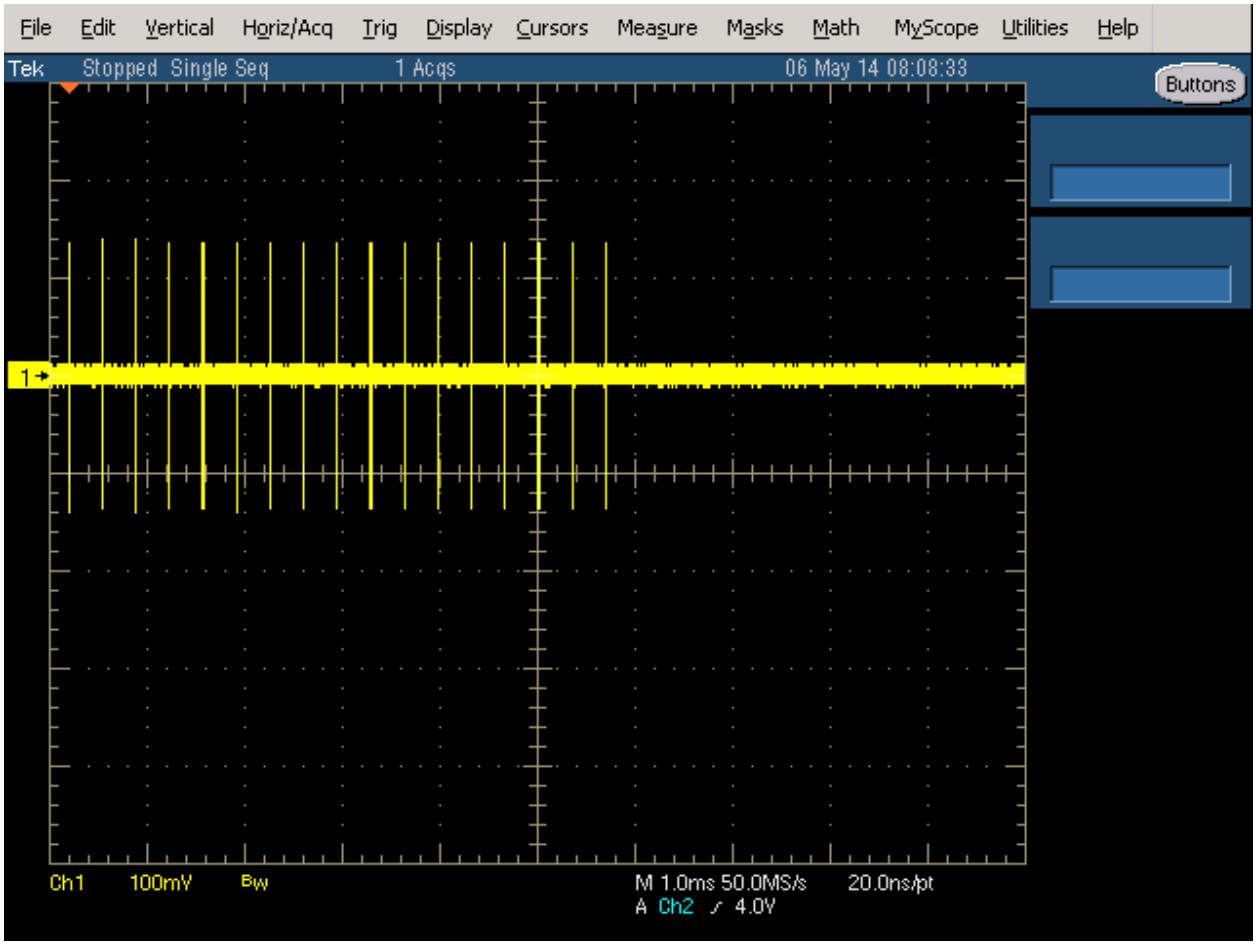



**Figure 5 FCC Type 3 Radar (17 pulses)**

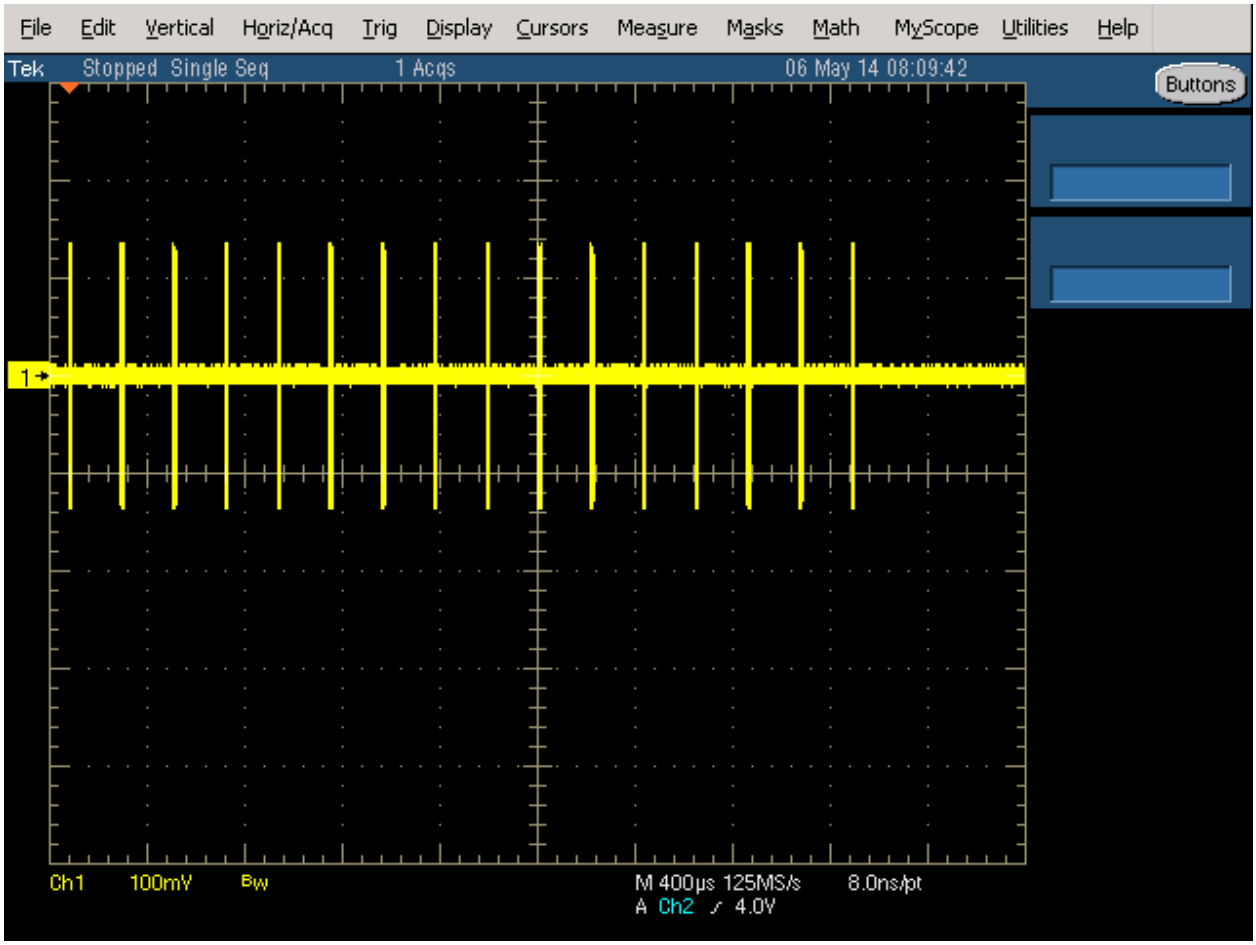



**Figure 6 FCC Type 4 Radar (16 pulses)**


**Figure 7 FCC Type 5 Radar (burst with three pulses, 1650 µs first period)**

The shape is round due to chirped frequency during pulse as the SA is in zero span with 3 MHz BW.

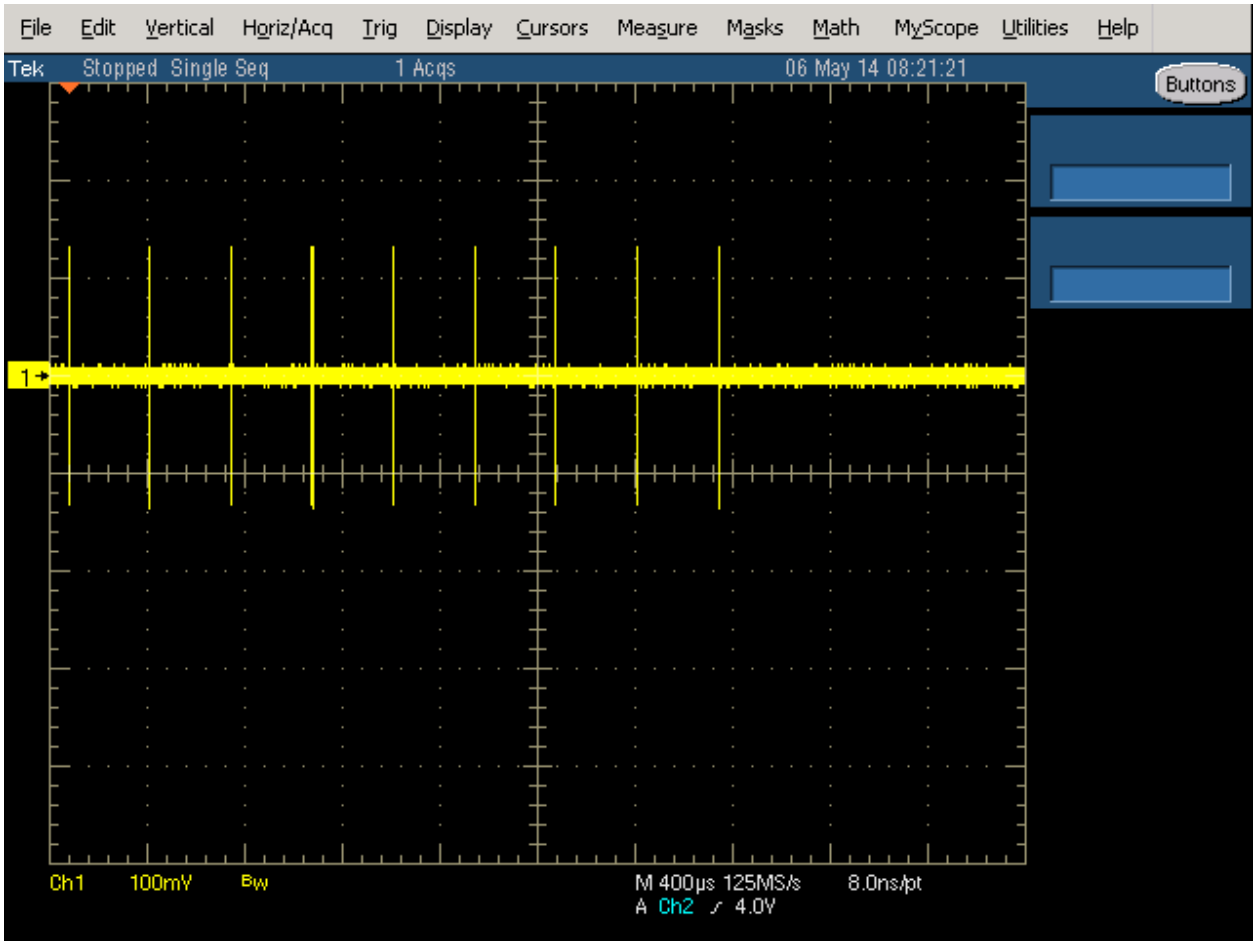



**Figure 8 FCC Type 6 Radar (9 pulses in each burst)**

## DFS MEASUREMENT METHODS

### DFS RADAR DETECTION BANDWIDTH

The radar detection bandwidth is determined by using FCC radar waveform 0 and applying radar pulses at offsets from the center channel frequency by multiples of 1-5 MHz. 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/MSIP Notice No. 2015-95 – the total time of all individual transmissions from the EUT that are observed starting 200ms at the end of the last radar pulse in the waveform. This value is required to be less than 60ms.

ETSI – the total time of all individual transmissions from the EUT that are observed from the end of the last radar pulse in the waveform. This value is required to be less than 1000ms in the 5250-5350MHz, 5470-5725MHz bands and 260ms in the 5725-5850MHz band.

### 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).

*DFS CHANNEL AVAILABILITY CHECK TIME*

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

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

*UNIFORM LOADING*

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

*TRANSMIT POWER CONTROL (TPC)*

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

## *SAMPLE CALCULATIONS*

### *DETECTION PROBABILITY / SUCCESS RATE*

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

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

### *THRESHOLD LEVEL*

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

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

## *Appendix A Test Equipment Calibration Data*

| Manufacturer | Description | Model # | Asset # | Cal Due |
|---|---|---|---|---|
| Hewlett Packard | EMC Spectrum Analyzer, 9 kHz - 6.5 GHz DFS | 8595EM | 787 | 01-Sep-17 |
| ETS Lindgren | Antenna, Horn, 1-18 GHz | 3117 | 1662 | 13-Jun-18 |
| Tektronix | 500MHz, 2CH, 5GS/s OscilloScope | TDS5052B | 2118 | 07-Dec-17 |
| Agilent Technologies | PSG, Vector Signal Generator, (250kHz - 20GHz) | E8267D | 3011 | 25-Feb-18 |

## Appendix B Test Data Tables for Radar Detection Probability

The plot below shows the channel loading during testing as evaluated over a 200ms period. The traffic was generated by streaming a movie and iPerf

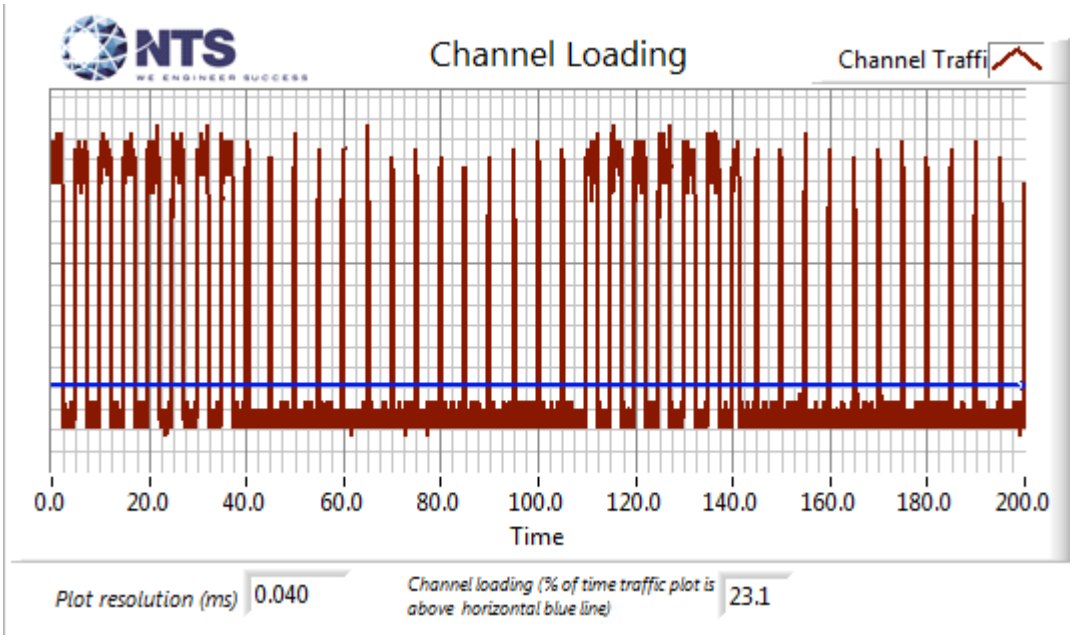



**Figure 9 Channel Utilization During In-Service Detection Measurements (10MHz)**

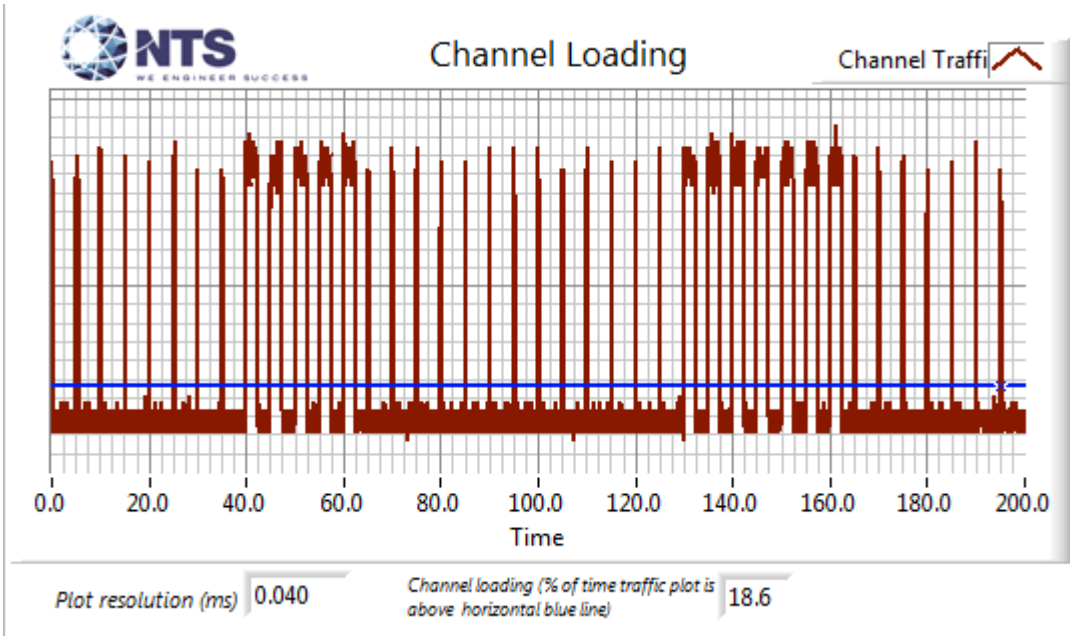



**Figure 10 Channel Utilization During In-Service Detection Measurements (20MHz)**

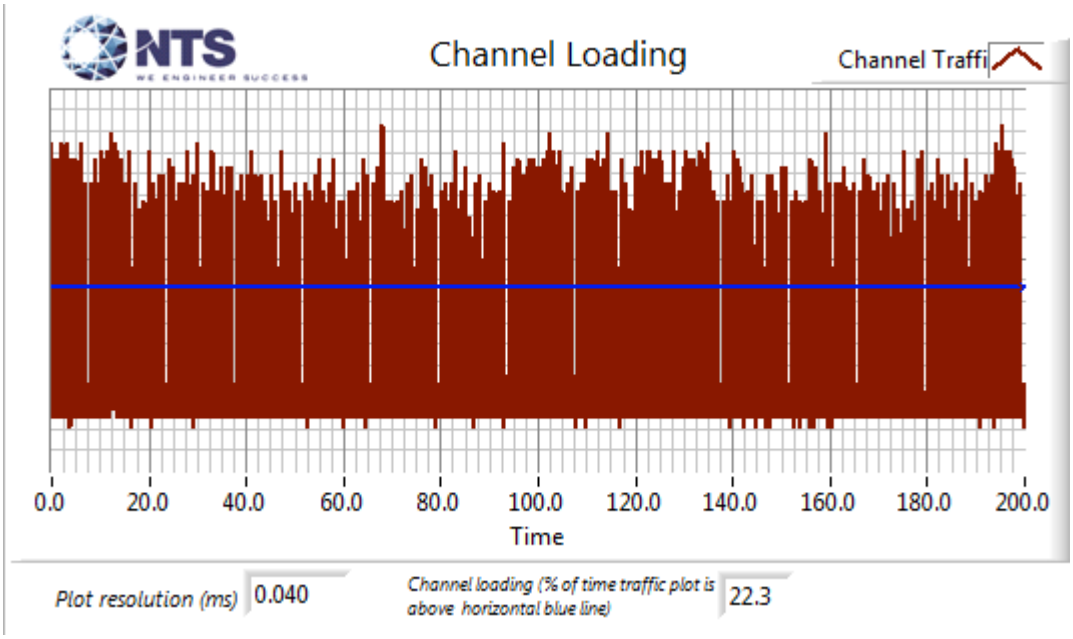



**Figure 11 Channel Utilization During In-Service Detection Measurements (40MHz)**

| Table 8 - Summary of All Results 10MHz | | | | |
|---|---|---|---|---|
| Waveform Name | Pd (%) | Pd Required (%) | Number of Trials | Status |
| FCC Short Pulse Radar (Type 1A) | 100.0 % | 60.0 % | 15 | PASSED |
| FCC Short Pulse Radar (Type 1B) | 100.0 % | 60.0 % | 15 | PASSED |
| FCC Short Pulse Radar (Type 2) | 100.0 % | 60.0 % | 30 | PASSED |
| FCC Short Pulse Radar (Type 3) | 96.7 % | 60.0 % | 30 | PASSED |
| FCC Short Pulse Radar (Type 4) | 96.7 % | 60.0 % | 30 | PASSED |
| Aggregate of above results | 98.3 % | 80.0 % | 120 | PASSED |
| FCC Long Pulse Radar (Type 5) | 100.0 % | 80.0 % | 30 | PASSED |
| FCC frequency hopping radar (Type 6) | 96.7 % | 70.0 % | 30 | PASSED |

| Table 9 - Summary of All Results 20MHz | | | | |
|---|---|---|---|---|
| Waveform Name | Pd (%) | Pd Required (%) | Number of Trials | Status |
| FCC Short Pulse Radar (Type 1A) | 100.0 % | 60.0 % | 15 | PASSED |
| FCC Short Pulse Radar (Type 1B) | 100.0 % | 60.0 % | 15 | PASSED |
| FCC Short Pulse Radar (Type 2) | 100.0 % | 60.0 % | 30 | PASSED |
| FCC Short Pulse Radar (Type 3) | 100.0 % | 60.0 % | 30 | PASSED |
| FCC Short Pulse Radar (Type 4) | 100.0 % | 60.0 % | 30 | PASSED |
| Aggregate of above results | 100.0 % | 80.0 % | 120 | PASSED |
| FCC Long Pulse Radar (Type 5) | 100.0 % | 80.0 % | 30 | PASSED |
| FCC frequency hopping radar (Type 6) | 94.6 % | 70.0 % | 37 | PASSED |

| Table 10 - Summary of All Results 40MHz | | | | |
|---|---|---|---|---|
| Waveform Name | Pd (%) | Pd Required (%) | Number of Trials | Status |

| Table 10 - Summary of All Results 40MHz | | | | |
|---|---|---|---|---|
| Waveform Name | Pd (%) | Pd Required (%) | Number of Trials | Status |
| FCC Short Pulse Radar (Type 1A) | 100.0 % | 60.0 % | 15 | PASSED |
| FCC Short Pulse Radar (Type 1B) | 100.0 % | 60.0 % | 15 | PASSED |
| FCC Short Pulse Radar (Type 2) | 100.0 % | 60.0 % | 30 | PASSED |
| FCC Short Pulse Radar (Type 3) | 100.0 % | 60.0 % | 30 | PASSED |
| FCC Short Pulse Radar (Type 4) | 100.0 % | 60.0 % | 30 | PASSED |
| Aggregate of above results | 100.0 % | 80.0 % | 120 | PASSED |
| FCC Long Pulse Radar (Type 5) | 100.0 % | 80.0 % | 30 | PASSED |
| FCC frequency hopping radar (Type 6) | 100.0 % | 70.0 % | 34 | PASSED |

| Table 11 - Detection Bandwidth Measurements (Bandwidth: +4.3MHz /-4.3MHz) 10MHz | | | | | |
|---|---|---|---|---|---|
| EUT Frequency | Radar Type | Radar Frequency | # Detected | # Not Detected | Success (%) |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5495.00 MHz | 0 | 2 | 0 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5495.60 MHz | 1 | 2 | 33 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5495.70 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5496.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5497.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5498.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5499.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5500.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5501.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5502.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5503.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5504.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5504.3 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5504.4 MHz | 2 | 3 | 40 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5505.00 MHz | 0 | 2 | 0 |

| Table 12 - FCC Short Pulse Radar (Type 1A) Results 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 65 | 1.0 | 818.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 2 | 58 | 1.0 | 918.0 | Yes | 5501.0MHz,-64.0dBm | Single burst |
| 3 | 95 | 1.0 | 558.0 | Yes | 5502.7MHz,-64.0dBm | Single burst |
| 4 | 61 | 1.0 | 878.0 | Yes | 5504.0MHz,-64.0dBm | Single burst |
| 5 | 92 | 1.0 | 578.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 6 | 63 | 1.0 | 838.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 7 | 74 | 1.0 | 718.0 | Yes | 5497.1MHz,-64.0dBm | Single burst |
| 8 | 72 | 1.0 | 738.0 | Yes | 5498.9MHz,-64.0dBm | Single burst |
| 9 | 62 | 1.0 | 858.0 | Yes | 5500.4MHz,-64.0dBm | Single burst |
| 10 | 78 | 1.0 | 678.0 | Yes | 5502.0MHz,-64.0dBm | Single burst |
| 11 | 81 | 1.0 | 658.0 | Yes | 5503.3MHz,-64.0dBm | Single burst |
| 12 | 76 | 1.0 | 698.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 13 | 89 | 1.0 | 598.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 14 | 70 | 1.0 | 758.0 | Yes | 5497.1MHz,-64.0dBm | Single burst |
| 15 | 99 | 1.0 | 538.0 | Yes | 5498.2MHz,-64.0dBm | Single burst |

| Table 13 - FCC Short Pulse Radar (Type 1B) Results 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 36 | 1.0 | 1496.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 2 | 32 | 1.0 | 1661.0 | Yes | 5501.4MHz,-64.0dBm | Single burst |
| 3 | 66 | 1.0 | 809.0 | Yes | 5503.3MHz,-64.0dBm | Single burst |
| 4 | 24 | 1.0 | 2269.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 5 | 67 | 1.0 | 794.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 6 | 61 | 1.0 | 879.0 | Yes | 5496.5MHz,-64.0dBm | Single burst |
| 7 | 64 | 1.0 | 835.0 | Yes | 5498.1MHz,-64.0dBm | Single burst |
| 8 | 19 | 1.0 | 2868.0 | Yes | 5499.7MHz,-64.0dBm | Single burst |
| 9 | 18 | 1.0 | 2949.0 | Yes | 5500.9MHz,-64.0dBm | Single burst |
| 10 | 71 | 1.0 | 746.0 | Yes | 5501.9MHz,-64.0dBm | Single burst |
| 11 | 25 | 1.0 | 2178.0 | Yes | 5503.2MHz,-64.0dBm | Single burst |
| 12 | 18 | 1.0 | 3020.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 13 | 26 | 1.0 | 2079.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 14 | 58 | 1.0 | 917.0 | Yes | 5497.2MHz,-64.0dBm | Single burst |
| 15 | 43 | 1.0 | 1247.0 | Yes | 5499.2MHz,-64.0dBm | Single burst |

| Table 14 - FCC Short Pulse Radar (Type 2) Results 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 25 | 5.0 | 161.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 2 | 23 | 4.5 | 207.0 | Yes | 5501.1MHz,-64.0dBm | Single burst |
| 3 | 25 | 1.2 | 178.0 | Yes | 5502.8MHz,-64.0dBm | Single burst |
| 4 | 28 | 2.7 | 222.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 5 | 25 | 1.6 | 204.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 6 | 26 | 1.2 | 200.0 | Yes | 5496.2MHz,-64.0dBm | Single burst |
| 7 | 26 | 4.1 | 165.0 | Yes | 5497.6MHz,-64.0dBm | Single burst |
| 8 | 28 | 3.8 | 215.0 | Yes | 5499.5MHz,-64.0dBm | Single burst |
| 9 | 28 | 4.8 | 215.0 | Yes | 5501.4MHz,-64.0dBm | Single burst |
| 10 | 24 | 2.2 | 196.0 | Yes | 5503.2MHz,-64.0dBm | Single burst |
| 11 | 28 | 1.1 | 207.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 12 | 24 | 1.7 | 209.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 13 | 25 | 4.2 | 194.0 | Yes | 5496.9MHz,-64.0dBm | Single burst |
| 14 | 26 | 3.7 | 226.0 | Yes | 5498.3MHz,-64.0dBm | Single burst |
| 15 | 29 | 1.1 | 195.0 | Yes | 5500.2MHz,-64.0dBm | Single burst |
| 16 | 29 | 4.4 | 218.0 | Yes | 5501.7MHz,-64.0dBm | Single burst |
| 17 | 27 | 4.8 | 165.0 | Yes | 5502.8MHz,-64.0dBm | Single burst |
| 18 | 24 | 4.0 | 226.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 19 | 27 | 1.2 | 198.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 20 | 28 | 1.6 | 154.0 | Yes | 5496.8MHz,-64.0dBm | Single burst |
| 21 | 27 | 3.3 | 204.0 | Yes | 5498.0MHz,-64.0dBm | Single burst |
| 22 | 28 | 3.8 | 225.0 | Yes | 5499.6MHz,-64.0dBm | Single burst |
| 23 | 24 | 2.3 | 178.0 | Yes | 5501.2MHz,-64.0dBm | Single burst |
| 24 | 27 | 4.7 | 185.0 | Yes | 5502.7MHz,-64.0dBm | Single burst |
| 25 | 27 | 2.2 | 228.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 26 | 24 | 2.6 | 163.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 27 | 27 | 3.3 | 192.0 | Yes | 5496.5MHz,-64.0dBm | Single burst |
| 28 | 28 | 1.4 | 208.0 | Yes | 5497.6MHz,-64.0dBm | Single burst |
| 29 | 28 | 1.1 | 154.0 | Yes | 5499.2MHz,-64.0dBm | Single burst |
| 30 | 25 | 4.4 | 152.0 | Yes | 5500.8MHz,-64.0dBm | Single burst |

| Table 15 - FCC Short Pulse Radar (Type 3) Results 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 17 | 7.5 | 420.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 2 | 17 | 8.8 | 287.0 | Yes | 5501.6MHz,-64.0dBm | Single burst |
| 3 | 16 | 9.6 | 273.0 | Yes | 5502.9MHz,-64.0dBm | Single burst |
| 4 | 17 | 6.7 | 446.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 5 | 17 | 9.4 | 228.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 6 | 17 | 8.5 | 221.0 | Yes | 5496.4MHz,-64.0dBm | Single burst |
| 7 | 17 | 6.6 | 343.0 | Yes | 5498.4MHz,-64.0dBm | Single burst |
| 8 | 16 | 6.1 | 270.0 | Yes | 5499.5MHz,-64.0dBm | Single burst |
| 9 | 16 | 8.1 | 476.0 | Yes | 5500.7MHz,-64.0dBm | Single burst |
| 10 | 17 | 7.9 | 388.0 | Yes | 5502.2MHz,-64.0dBm | Single burst |
| 11 | 17 | 9.7 | 486.0 | Yes | 5503.3MHz,-64.0dBm | Single burst |
| 12 | 18 | 6.6 | 263.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 13 | 18 | 8.6 | 449.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 14 | 16 | 6.4 | 388.0 | Yes | 5496.3MHz,-64.0dBm | Single burst |
| 15 | 17 | 9.7 | 354.0 | Yes | 5497.7MHz,-64.0dBm | Single burst |
| 16 | 17 | 9.4 | 485.0 | Yes | 5499.4MHz,-64.0dBm | Single burst |
| 17 | 16 | 8.9 | 276.0 | No | 5501.1MHz,-64.0dBm | Single burst |
| 18 | 18 | 6.7 | 327.0 | Yes | 5501.1MHz,-64.0dBm | Single burst |
| 19 | 17 | 9.1 | 280.0 | Yes | 5502.7MHz,-64.0dBm | Single burst |
| 20 | 17 | 7.1 | 369.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 21 | 17 | 9.6 | 375.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 22 | 18 | 9.7 | 339.0 | Yes | 5496.3MHz,-64.0dBm | Single burst |
| 23 | 17 | 6.8 | 270.0 | Yes | 5498.2MHz,-64.0dBm | Single burst |
| 24 | 18 | 8.7 | 369.0 | Yes | 5499.3MHz,-64.0dBm | Single burst |
| 25 | 16 | 9.8 | 294.0 | Yes | 5500.8MHz,-64.0dBm | Single burst |
| 26 | 18 | 7.2 | 200.0 | Yes | 5502.4MHz,-64.0dBm | Single burst |
| 27 | 16 | 9.8 | 359.0 | Yes | 5503.7MHz,-64.0dBm | Single burst |
| 28 | 17 | 9.7 | 336.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 29 | 17 | 8.5 | 440.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 30 | 16 | 8.0 | 415.0 | Yes | 5496.5MHz,-64.0dBm | Single burst |

| Table 16 - FCC Short Pulse Radar (Type 4) Results 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 15 | 15.8 | 409.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 2 | 16 | 14.2 | 406.0 | Yes | 5501.4MHz,-64.0dBm | Single burst |
| 3 | 16 | 18.6 | 244.0 | Yes | 5503.0MHz,-64.0dBm | Single burst |
| 4 | 13 | 11.6 | 262.0 | No | 5504.1MHz,-64.0dBm | Single burst |
| 5 | 14 | 19.1 | 500.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 6 | 14 | 11.5 | 486.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 7 | 15 | 19.7 | 270.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 8 | 14 | 13.4 | 274.0 | Yes | 5496.3MHz,-64.0dBm | Single burst |
| 9 | 15 | 18.4 | 283.0 | Yes | 5497.7MHz,-64.0dBm | Single burst |
| 10 | 13 | 13.7 | 311.0 | Yes | 5499.2MHz,-64.0dBm | Single burst |
| 11 | 15 | 14.3 | 496.0 | Yes | 5500.7MHz,-64.0dBm | Single burst |
| 12 | 13 | 16.7 | 357.0 | Yes | 5502.6MHz,-64.0dBm | Single burst |
| 13 | 13 | 19.9 | 317.0 | Yes | 5503.6MHz,-64.0dBm | Single burst |
| 14 | 15 | 18.0 | 371.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |

| Table 16 - FCC Short Pulse Radar (Type 4) Results 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 15 | 15 | 12.5 | 360.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 16 | 12 | 13.7 | 395.0 | Yes | 5496.9MHz,-64.0dBm | Single burst |
| 17 | 15 | 12.6 | 285.0 | Yes | 5498.9MHz,-64.0dBm | Single burst |
| 18 | 14 | 17.7 | 364.0 | Yes | 5499.9MHz,-64.0dBm | Single burst |
| 19 | 13 | 17.5 | 217.0 | Yes | 5501.2MHz,-64.0dBm | Single burst |
| 20 | 14 | 14.3 | 212.0 | Yes | 5502.3MHz,-64.0dBm | Single burst |
| 21 | 15 | 18.8 | 348.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 22 | 13 | 18.3 | 344.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 23 | 14 | 18.3 | 443.0 | Yes | 5496.1MHz,-64.0dBm | Single burst |
| 24 | 12 | 16.6 | 359.0 | Yes | 5497.5MHz,-64.0dBm | Single burst |
| 25 | 15 | 13.4 | 390.0 | Yes | 5499.5MHz,-64.0dBm | Single burst |
| 26 | 13 | 13.0 | 384.0 | Yes | 5500.8MHz,-64.0dBm | Single burst |
| 27 | 16 | 17.5 | 484.0 | Yes | 5502.1MHz,-64.0dBm | Single burst |
| 28 | 16 | 17.9 | 431.0 | Yes | 5503.6MHz,-64.0dBm | Single burst |
| 29 | 16 | 12.0 | 497.0 | Yes | 5504.1MHz,-64.0dBm | Single burst |
| 30 | 12 | 13.5 | 461.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |

| Table 17 - FCC Long Pulse Radar (Type 5) Waveform Summary 10MHz | | |
|---|---|---|
| FCC Long Pulse Radar (Type 5) Trial | Result | Frequency, Level |
| Trial #1 | Detected | 5500.0MHz,-64.0dBm |
| Trial #2 | Detected | 5500.0MHz,-64.0dBm |
| Trial #3 | Detected | 5500.0MHz,-64.0dBm |
| Trial #4 | Detected | 5500.0MHz,-64.0dBm |
| Trial #5 | Detected | 5500.0MHz,-64.0dBm |
| Trial #6 | Detected | 5500.0MHz,-64.0dBm |
| Trial #7 | Detected | 5500.0MHz,-64.0dBm |
| Trial #8 | Detected | 5500.0MHz,-64.0dBm |
| Trial #9 | Detected | 5500.0MHz,-64.0dBm |
| Trial #10 | Detected | 5500.0MHz,-64.0dBm |
| Trial #11 | Detected | 5500.7MHz,-64.0dBm |
| Trial #12 | Detected | 5501.5MHz,-64.0dBm |
| Trial #13 | Detected | 5499.5MHz,-64.0dBm |
| Trial #14 | Detected | 5500.7MHz,-64.0dBm |
| Trial #15 | Detected | 5499.9MHz,-64.0dBm |
| Trial #16 | Detected | 5500.3MHz,-64.0dBm |
| Trial #17 | Detected | 5500.7MHz,-64.0dBm |
| Trial #18 | Detected | 5501.9MHz,-64.0dBm |
| Trial #19 | Detected | 5498.3MHz,-64.0dBm |
| Trial #20 | Detected | 5499.5MHz,-64.0dBm |
| Trial #21 | Detected | 5499.7MHz,-64.0dBm |
| Trial #22 | Detected | 5500.5MHz,-64.0dBm |
| Trial #23 | Detected | 5501.3MHz,-64.0dBm |
| Trial #24 | Detected | 5496.9MHz,-64.0dBm |
| Trial #25 | Detected | 5498.5MHz,-64.0dBm |
| Trial #26 | Detected | 5498.1MHz,-64.0dBm |
| Trial #27 | Detected | 5497.3MHz,-64.0dBm |
| Trial #28 | Detected | 5500.9MHz,-64.0dBm |
| Trial #29 | Detected | 5500.1MHz,-64.0dBm |
| Trial #30 | Detected | 5500.9MHz,-64.0dBm |

| Table 18 - FCC Long Pulse Radar (Type 5) Waveform Trial#1 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 94.3 | 18 | 1015.0 | 1320.0 | 0.661465 |
| 2 | 2 | 74.7 | 18 | 1589.0 | - | 0.963487 |
| 3 | 2 | 84.2 | 18 | 1879.0 | - | 1.743832 |
| 4 | 1 | 71.3 | 18 | - | - | 2.344998 |
| 5 | 3 | 97.5 | 18 | 1733.0 | 1390.0 | 2.690127 |
| 6 | 1 | 54.1 | 18 | - | - | 3.983454 |
| 7 | 1 | 79.2 | 18 | - | - | 4.058997 |
| 8 | 3 | 70.3 | 18 | 1645.0 | 1980.0 | 5.111628 |
| 9 | 1 | 72.6 | 18 | - | - | 5.689994 |
| 10 | 2 | 82.2 | 18 | 1805.0 | - | 6.265354 |
| 11 | 2 | 69.0 | 18 | 1311.0 | - | 6.920227 |
| 12 | 2 | 82.6 | 18 | 1181.0 | - | 7.900186 |
| 13 | 3 | 68.5 | 18 | 1447.0 | 1899.0 | 8.151331 |
| 14 | 3 | 71.6 | 18 | 1873.0 | 1899.0 | 8.733910 |
| 15 | 2 | 63.4 | 18 | 1830.0 | - | 9.536360 |
| 16 | 1 | 93.0 | 18 | - | - | 10.449570 |
| 17 | 2 | 61.8 | 18 | 1441.0 | - | 11.199038 |
| 18 | 3 | 74.8 | 18 | 1483.0 | 1669.0 | 11.707259 |

| Table 19 - FCC Long Pulse Radar (Type 5) Waveform Trial#2 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 64.3 | 14 | 1166.0 | - | 1.252241 |
| 2 | 2 | 53.7 | 14 | 1249.0 | - | 2.292444 |
| 3 | 3 | 67.6 | 14 | 1965.0 | 1281.0 | 3.248003 |
| 4 | 1 | 91.6 | 14 | - | - | 5.426707 |
| 5 | 2 | 54.0 | 14 | 1591.0 | - | 6.460630 |
| 6 | 2 | 60.0 | 14 | 1525.0 | - | 8.616619 |
| 7 | 1 | 62.1 | 14 | - | - | 9.290360 |
| 8 | 2 | 62.2 | 14 | 1569.0 | - | 10.612195 |

| Table 20 - FCC Long Pulse Radar (Type 5) Waveform Trial#3 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 50.3 | 9 | 1525.0 | 1476.0 | 0.282291 |
| 2 | 2 | 79.9 | 9 | 1227.0 | - | 1.112094 |
| 3 | 2 | 58.9 | 9 | 1437.0 | - | 1.340206 |
| 4 | 2 | 54.6 | 9 | 1546.0 | - | 2.570755 |
| 5 | 1 | 77.7 | 9 | - | - | 2.804136 |
| 6 | 3 | 62.7 | 9 | 1919.0 | 1093.0 | 3.342674 |
| 7 | 2 | 71.8 | 9 | 1891.0 | - | 4.581233 |
| 8 | 3 | 83.8 | 9 | 1486.0 | 1729.0 | 4.822455 |
| 9 | 2 | 65.1 | 9 | 1127.0 | - | 5.914224 |
| 10 | 2 | 79.5 | 9 | 1999.0 | - | 6.272592 |
| 11 | 2 | 81.3 | 9 | 1983.0 | - | 6.777782 |
| 12 | 2 | 89.7 | 9 | 1882.0 | - | 7.360137 |
| 13 | 3 | 99.2 | 9 | 1395.0 | 1650.0 | 8.499484 |
| 14 | 1 | 71.5 | 9 | - | - | 9.209489 |
| 15 | 1 | 96.5 | 9 | - | - | 9.874827 |

| Table 20 - FCC Long Pulse Radar (Type 5) Waveform Trial#3 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 16 | 2 | 88.2 | 9 | 1649.0 | - | 10.625573 |
| 17 | 2 | 92.2 | 9 | 1888.0 | - | 11.200967 |
| 18 | 2 | 85.7 | 9 | 1152.0 | - | 11.388832 |

| Table 21 - FCC Long Pulse Radar (Type 5) Waveform Trial#4 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 81.0 | 8 | 1061.0 | 1637.0 | 0.809828 |
| 2 | 1 | 71.9 | 8 | - | - | 1.350204 |
| 3 | 3 | 59.7 | 8 | 1203.0 | 1281.0 | 2.420406 |
| 4 | 3 | 86.2 | 8 | 1256.0 | 1194.0 | 2.664799 |
| 5 | 3 | 74.8 | 8 | 1931.0 | 1391.0 | 4.093508 |
| 6 | 3 | 55.5 | 8 | 1277.0 | 1933.0 | 5.121822 |
| 7 | 1 | 91.5 | 8 | - | - | 5.700996 |
| 8 | 1 | 99.4 | 8 | - | - | 6.489848 |
| 9 | 2 | 80.7 | 8 | 1578.0 | - | 7.094873 |
| 10 | 2 | 55.7 | 8 | 1513.0 | - | 7.895007 |
| 11 | 1 | 77.7 | 8 | - | - | 8.768654 |
| 12 | 2 | 71.5 | 8 | 1771.0 | - | 9.498704 |
| 13 | 1 | 95.0 | 8 | - | - | 10.529898 |
| 14 | 1 | 73.6 | 8 | - | - | 11.753352 |

| Table 22 - FCC Long Pulse Radar (Type 5) Waveform Trial#5 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 59.9 | 14 | - | - | 0.116276 |
| 2 | 1 | 96.2 | 14 | - | - | 1.448014 |
| 3 | 1 | 60.0 | 14 | - | - | 1.999475 |
| 4 | 2 | 93.8 | 14 | 1688.0 | - | 2.465961 |
| 5 | 3 | 87.4 | 14 | 1289.0 | 1127.0 | 3.907953 |
| 6 | 2 | 74.0 | 14 | 1473.0 | - | 4.559044 |
| 7 | 2 | 92.2 | 14 | 1336.0 | - | 5.098349 |
| 8 | 2 | 53.6 | 14 | 1729.0 | - | 6.319709 |
| 9 | 3 | 85.0 | 14 | 1267.0 | 1665.0 | 6.679828 |
| 10 | 2 | 85.9 | 14 | 1422.0 | - | 7.677185 |
| 11 | 2 | 78.5 | 14 | 1380.0 | - | 8.234310 |
| 12 | 1 | 91.6 | 14 | - | - | 8.829913 |
| 13 | 2 | 99.3 | 14 | 1962.0 | - | 10.307428 |
| 14 | 3 | 85.7 | 14 | 1674.0 | 1688.0 | 11.170553 |
| 15 | 2 | 88.2 | 14 | 1575.0 | - | 11.332734 |

| Table 23 - FCC Long Pulse Radar (Type 5) Waveform Trial#6 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 89.5 | 14 | - | - | 0.135423 |
| 2 | 2 | 63.5 | 14 | 1460.0 | - | 0.726281 |
| 3 | 1 | 94.9 | 14 | - | - | 1.486691 |
| 4 | 2 | 94.7 | 14 | 1817.0 | - | 2.140158 |
| 5 | 3 | 60.4 | 14 | 1543.0 | 1799.0 | 2.675897 |

| **Table 23 - FCC Long Pulse Radar (Type 5) Waveform Trial#6 (Detected) 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 6 | 2 | 65.2 | 14 | 1959.0 | - | 3.327604 |
| 7 | 2 | 91.6 | 14 | 1325.0 | - | 4.195989 |
| 8 | 2 | 90.9 | 14 | 1699.0 | - | 4.698749 |
| 9 | 2 | 81.3 | 14 | 1506.0 | - | 5.370661 |
| 10 | 2 | 90.8 | 14 | 1598.0 | - | 5.644336 |
| 11 | 1 | 68.7 | 14 | - | - | 6.525418 |
| 12 | 1 | 89.6 | 14 | - | - | 6.957628 |
| 13 | 2 | 65.5 | 14 | 1668.0 | - | 7.392682 |
| 14 | 3 | 75.0 | 14 | 1861.0 | 1944.0 | 8.375274 |
| 15 | 1 | 61.3 | 14 | - | - | 8.482185 |
| 16 | 1 | 50.3 | 14 | - | - | 9.292186 |
| 17 | 3 | 93.5 | 14 | 1472.0 | 1487.0 | 9.657760 |
| 18 | 3 | 67.5 | 14 | 1316.0 | 1593.0 | 10.356058 |
| 19 | 1 | 86.5 | 14 | - | - | 10.988900 |
| 20 | 1 | 99.5 | 14 | - | - | 11.477455 |

| **Table 24 - FCC Long Pulse Radar (Type 5) Waveform Trial#7 (Detected) 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 90.5 | 17 | 1430.0 | 1873.0 | 0.573205 |
| 2 | 2 | 75.8 | 17 | 1950.0 | - | 0.885747 |
| 3 | 2 | 86.6 | 17 | 1704.0 | - | 1.781855 |
| 4 | 2 | 76.2 | 17 | 1800.0 | - | 2.617141 |
| 5 | 1 | 97.7 | 17 | - | - | 3.170602 |
| 6 | 2 | 72.7 | 17 | 1862.0 | - | 3.717824 |
| 7 | 1 | 62.7 | 17 | - | - | 4.003813 |
| 8 | 3 | 72.9 | 17 | 1626.0 | 1513.0 | 4.698986 |
| 9 | 2 | 88.7 | 17 | 1366.0 | - | 5.451158 |
| 10 | 1 | 85.2 | 17 | - | - | 6.260606 |
| 11 | 2 | 88.1 | 17 | 1712.0 | - | 7.160897 |
| 12 | 1 | 99.9 | 17 | - | - | 7.474513 |
| 13 | 1 | 78.7 | 17 | - | - | 8.423700 |
| 14 | 2 | 77.9 | 17 | 1325.0 | - | 8.670653 |
| 15 | 2 | 52.1 | 17 | 1414.0 | - | 9.356412 |
| 16 | 2 | 85.4 | 17 | 1521.0 | - | 10.244372 |
| 17 | 2 | 92.2 | 17 | 1672.0 | - | 11.184046 |
| 18 | 1 | 76.3 | 17 | - | - | 11.357797 |

| **Table 25 - FCC Long Pulse Radar (Type 5) Waveform Trial#8 (Detected) 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 54.5 | 11 | 1844.0 | - | 0.143149 |
| 2 | 2 | 53.3 | 11 | 1496.0 | - | 1.056855 |
| 3 | 2 | 83.6 | 11 | 1742.0 | - | 1.784680 |
| 4 | 2 | 68.0 | 11 | 1947.0 | - | 2.374999 |
| 5 | 1 | 94.9 | 11 | - | - | 3.227513 |
| 6 | 1 | 79.4 | 11 | - | - | 4.069034 |
| 7 | 2 | 87.6 | 11 | 1094.0 | - | 4.466732 |
| 8 | 3 | 85.2 | 11 | 1341.0 | 1284.0 | 5.416348 |
| 9 | 2 | 68.8 | 11 | 1287.0 | - | 5.924203 |

| Table 25 - FCC Long Pulse Radar (Type 5) Waveform Trial#8 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 10 | 2 | 70.8 | 11 | 1098.0 | - | 6.465951 |
| 11 | 2 | 60.8 | 11 | 1566.0 | - | 7.510974 |
| 12 | 2 | 71.5 | 11 | 1535.0 | - | 8.431358 |
| 13 | 2 | 76.2 | 11 | 1703.0 | - | 8.931102 |
| 14 | 2 | 75.3 | 11 | 1889.0 | - | 9.555852 |
| 15 | 1 | 61.9 | 11 | - | - | 10.193308 |
| 16 | 2 | 76.9 | 11 | 1820.0 | - | 11.076031 |
| 17 | 1 | 81.0 | 11 | - | - | 11.762215 |

| Table 26 - FCC Long Pulse Radar (Type 5) Waveform Trial#9 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 63.0 | 14 | 1676.0 | - | 0.750582 |
| 2 | 2 | 90.2 | 14 | 1470.0 | - | 1.021734 |
| 3 | 2 | 52.0 | 14 | 1199.0 | - | 2.151677 |
| 4 | 2 | 89.0 | 14 | 1478.0 | - | 3.021120 |
| 5 | 2 | 75.1 | 14 | 1403.0 | - | 4.105791 |
| 6 | 3 | 60.4 | 14 | 1801.0 | 1459.0 | 4.469290 |
| 7 | 3 | 90.2 | 14 | 1500.0 | 1003.0 | 5.653043 |
| 8 | 1 | 79.9 | 14 | - | - | 6.856850 |
| 9 | 2 | 92.0 | 14 | 1329.0 | - | 7.413199 |
| 10 | 2 | 79.8 | 14 | 1156.0 | - | 8.279542 |
| 11 | 1 | 90.4 | 14 | - | - | 8.850440 |
| 12 | 2 | 55.8 | 14 | 1178.0 | - | 9.536888 |
| 13 | 1 | 68.0 | 14 | - | - | 10.604468 |
| 14 | 1 | 80.1 | 14 | - | - | 11.978840 |

| Table 27 - FCC Long Pulse Radar (Type 5) Waveform Trial#10 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 75.5 | 11 | - | - | 1.083594 |
| 2 | 2 | 54.9 | 11 | 1764.0 | - | 2.272530 |
| 3 | 3 | 74.5 | 11 | 1337.0 | 1057.0 | 2.716898 |
| 4 | 1 | 62.4 | 11 | - | - | 4.027159 |
| 5 | 2 | 52.4 | 11 | 1131.0 | - | 5.467569 |
| 6 | 2 | 79.1 | 11 | 1978.0 | - | 6.867663 |
| 7 | 2 | 67.5 | 11 | 1193.0 | - | 8.024891 |
| 8 | 2 | 71.6 | 11 | 1022.0 | - | 10.648676 |
| 9 | 1 | 51.3 | 11 | - | - | 11.196914 |

| Table 28 - FCC Long Pulse Radar (Type 5) Waveform Trial#11 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 90.7 | 12 | 1572.0 | 1882.0 | 0.830350 |
| 2 | 3 | 78.3 | 12 | 1199.0 | 1428.0 | 1.572404 |
| 3 | 2 | 74.6 | 12 | 1642.0 | - | 3.195954 |
| 4 | 2 | 91.7 | 12 | 1392.0 | - | 3.682543 |
| 5 | 2 | 53.5 | 12 | 1088.0 | - | 4.436569 |
| 6 | 3 | 77.5 | 12 | 1738.0 | 1439.0 | 6.457470 |

| **Table 28 - FCC Long Pulse Radar (Type 5) Waveform Trial#11 (Detected) 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 7 | 1 | 76.9 | 12 | - | - | 6.556709 |
| 8 | 2 | 99.6 | 12 | 1711.0 | - | 7.797771 |
| 9 | 3 | 60.5 | 12 | 1715.0 | 1730.0 | 8.855805 |
| 10 | 2 | 76.2 | 12 | 1447.0 | - | 9.923588 |
| 11 | 3 | 54.1 | 12 | 1239.0 | 1545.0 | 11.517387 |

| **Table 29 - FCC Long Pulse Radar (Type 5) Waveform Trial#12 (Detected) 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 55.1 | 14 | 1129.0 | - | 0.010249 |
| 2 | 1 | 81.4 | 14 | - | - | 2.589893 |
| 3 | 2 | 64.9 | 14 | 1153.0 | - | 2.960710 |
| 4 | 3 | 88.0 | 14 | 1963.0 | 1548.0 | 5.290598 |
| 5 | 2 | 91.0 | 14 | 1602.0 | - | 5.916062 |
| 6 | 2 | 62.3 | 14 | 1653.0 | - | 7.425262 |
| 7 | 2 | 95.5 | 14 | 1730.0 | - | 8.155931 |
| 8 | 1 | 99.6 | 14 | - | - | 9.550657 |
| 9 | 2 | 92.0 | 14 | 1712.0 | - | 10.728433 |

| **Table 30 - FCC Long Pulse Radar (Type 5) Waveform Trial#13 (Detected) 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 55.0 | 9 | 1827.0 | - | 0.145125 |
| 2 | 1 | 60.7 | 9 | - | - | 2.173320 |
| 3 | 2 | 78.6 | 9 | 1376.0 | - | 3.423241 |
| 4 | 3 | 96.0 | 9 | 1182.0 | 1502.0 | 4.585033 |
| 5 | 2 | 77.0 | 9 | 1567.0 | - | 5.065199 |
| 6 | 1 | 92.8 | 9 | - | - | 6.381311 |
| 7 | 1 | 73.5 | 9 | - | - | 7.542365 |
| 8 | 2 | 73.5 | 9 | 1248.0 | - | 9.145337 |
| 9 | 2 | 59.8 | 9 | 1690.0 | - | 10.392840 |
| 10 | 3 | 85.1 | 9 | 1446.0 | 1138.0 | 11.607977 |

| **Table 31 - FCC Long Pulse Radar (Type 5) Waveform Trial#14 (Detected) 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 76.3 | 12 | 1174.0 | - | 1.207146 |
| 2 | 1 | 83.7 | 12 | - | - | 2.070970 |
| 3 | 1 | 56.9 | 12 | - | - | 2.825331 |
| 4 | 1 | 63.0 | 12 | - | - | 5.060322 |
| 5 | 3 | 63.1 | 12 | 1033.0 | 1577.0 | 5.515197 |
| 6 | 2 | 69.9 | 12 | 1861.0 | - | 7.178815 |
| 7 | 3 | 76.4 | 12 | 1433.0 | 1114.0 | 8.000149 |
| 8 | 1 | 53.8 | 12 | - | - | 10.093346 |
| 9 | 2 | 61.0 | 12 | 1700.0 | - | 11.089872 |

| **Table 32 - FCC Long Pulse Radar (Type 5) Waveform Trial#15 (Detected) 10MHz** |
|---|

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 3 | 88.2 | 10 | 1187.0 | 1415.0 | 0.192532 |
| 2 | 2 | 94.3 | 10 | 1460.0 | - | 1.037910 |
| 3 | 2 | 66.9 | 10 | 1330.0 | - | 1.649853 |
| 4 | 3 | 82.5 | 10 | 1843.0 | 1043.0 | 2.268678 |
| 5 | 2 | 55.3 | 10 | 1434.0 | - | 2.664023 |
| 6 | 2 | 98.5 | 10 | 1971.0 | - | 3.379243 |
| 7 | 2 | 55.9 | 10 | 1268.0 | - | 4.067680 |
| 8 | 2 | 85.8 | 10 | 1648.0 | - | 4.829342 |
| 9 | 2 | 78.5 | 10 | 1432.0 | - | 5.356563 |
| 10 | 1 | 73.1 | 10 | - | - | 5.959705 |
| 11 | 1 | 58.0 | 10 | - | - | 6.815798 |
| 12 | 2 | 98.8 | 10 | 1354.0 | - | 7.496123 |
| 13 | 1 | 55.3 | 10 | - | - | 8.013164 |
| 14 | 2 | 73.9 | 10 | 1579.0 | - | 8.379135 |
| 15 | 2 | 78.3 | 10 | 1784.0 | - | 9.397329 |
| 16 | 3 | 79.2 | 10 | 1872.0 | 1412.0 | 9.608466 |
| 17 | 2 | 57.4 | 10 | 1637.0 | - | 10.360818 |
| 18 | 3 | 79.8 | 10 | 1302.0 | 1883.0 | 11.246238 |
| 19 | 2 | 58.9 | 10 | 1047.0 | - | 11.854086 |

**Table 33 - FCC Long Pulse Radar (Type 5) Waveform Trial#16 (Detected) 10MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 2 | 71.2 | 11 | 1338.0 | - | 0.188382 |
| 2 | 1 | 85.1 | 11 | - | - | 1.062515 |
| 3 | 2 | 77.5 | 11 | 1449.0 | - | 1.765214 |
| 4 | 2 | 89.5 | 11 | 1021.0 | - | 2.123142 |
| 5 | 2 | 73.0 | 11 | 1518.0 | - | 2.738585 |
| 6 | 2 | 98.6 | 11 | 1943.0 | - | 3.719589 |
| 7 | 2 | 54.2 | 11 | 1454.0 | - | 4.212967 |
| 8 | 3 | 92.3 | 11 | 1071.0 | 1005.0 | 5.234903 |
| 9 | 3 | 80.5 | 11 | 1910.0 | 1213.0 | 5.957779 |
| 10 | 2 | 72.0 | 11 | 1364.0 | - | 6.003848 |
| 11 | 3 | 56.7 | 11 | 1547.0 | 1460.0 | 6.789170 |
| 12 | 2 | 92.1 | 11 | 1415.0 | - | 7.542495 |
| 13 | 2 | 83.7 | 11 | 1386.0 | - | 8.308959 |
| 14 | 3 | 79.5 | 11 | 1826.0 | 1620.0 | 8.821502 |
| 15 | 1 | 87.2 | 11 | - | - | 9.754952 |
| 16 | 1 | 60.2 | 11 | - | - | 10.010613 |
| 17 | 3 | 96.3 | 11 | 1377.0 | 1548.0 | 11.248653 |
| 18 | 2 | 72.7 | 11 | 1684.0 | - | 11.471881 |

**Table 34 - FCC Long Pulse Radar (Type 5) Waveform Trial#17 (Detected) 10MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 2 | 60.5 | 12 | 1800.0 | - | 0.255353 |
| 2 | 2 | 57.6 | 12 | 1974.0 | - | 1.081298 |
| 3 | 1 | 73.3 | 12 | - | - | 2.589572 |
| 4 | 2 | 93.4 | 12 | 1504.0 | - | 2.810600 |
| 5 | 1 | 59.4 | 12 | - | - | 4.129802 |
| 6 | 1 | 81.9 | 12 | - | - | 4.655541 |
| 7 | 2 | 71.3 | 12 | 1591.0 | - | 6.454164 |

| Table 34 - FCC Long Pulse Radar (Type 5) Waveform Trial#17 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 8 | 1 | 96.3 | 12 | - | - | 7.222502 |
| 9 | 2 | 92.3 | 12 | 1378.0 | - | 7.496452 |
| 10 | 3 | 72.4 | 12 | 1927.0 | 1016.0 | 8.458144 |
| 11 | 1 | 83.1 | 12 | - | - | 9.293154 |
| 12 | 1 | 93.5 | 12 | - | - | 10.215479 |
| 13 | 3 | 94.0 | 12 | 1684.0 | 1144.0 | 11.270827 |

| Table 35 - FCC Long Pulse Radar (Type 5) Waveform Trial#18 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 54.9 | 15 | - | - | 0.368451 |
| 2 | 1 | 87.3 | 15 | - | - | 1.340475 |
| 3 | 3 | 90.7 | 15 | 1284.0 | 1468.0 | 2.018841 |
| 4 | 1 | 69.9 | 15 | - | - | 2.825137 |
| 5 | 1 | 93.5 | 15 | - | - | 3.646262 |
| 6 | 3 | 90.4 | 15 | 1688.0 | 1276.0 | 4.788517 |
| 7 | 2 | 60.0 | 15 | 1314.0 | - | 5.078373 |
| 8 | 2 | 95.5 | 15 | 1898.0 | - | 5.706507 |
| 9 | 2 | 56.1 | 15 | 1605.0 | - | 7.011079 |
| 10 | 3 | 80.7 | 15 | 1729.0 | 1097.0 | 7.472134 |
| 11 | 3 | 56.3 | 15 | 1175.0 | 1421.0 | 8.352948 |
| 12 | 2 | 71.9 | 15 | 1794.0 | - | 9.226159 |
| 13 | 3 | 78.6 | 15 | 1084.0 | 1883.0 | 9.851131 |
| 14 | 2 | 90.3 | 15 | 1171.0 | - | 10.508997 |
| 15 | 2 | 92.6 | 15 | 1075.0 | - | 11.730124 |

| Table 36 - FCC Long Pulse Radar (Type 5) Waveform Trial#19 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 71.9 | 6 | - | - | 1.260111 |
| 2 | 3 | 89.2 | 6 | 1514.0 | 1109.0 | 1.617528 |
| 3 | 1 | 90.8 | 6 | - | - | 3.250426 |
| 4 | 3 | 54.6 | 6 | 1616.0 | 1919.0 | 4.062756 |
| 5 | 3 | 79.9 | 6 | 1843.0 | 1733.0 | 5.827084 |
| 6 | 2 | 52.6 | 6 | 1359.0 | - | 7.826506 |
| 7 | 2 | 74.9 | 6 | 1615.0 | - | 8.416900 |
| 8 | 3 | 76.1 | 6 | 1075.0 | 1107.0 | 10.008958 |
| 9 | 3 | 67.9 | 6 | 1803.0 | 1799.0 | 10.704759 |

| Table 37 - FCC Long Pulse Radar (Type 5) Waveform Trial#20 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 99.8 | 9 | 1322.0 | - | 1.035969 |
| 2 | 2 | 97.2 | 9 | 1356.0 | - | 2.724012 |
| 3 | 2 | 66.3 | 9 | 1576.0 | - | 4.078975 |
| 4 | 2 | 62.9 | 9 | 1865.0 | - | 5.051206 |
| 5 | 2 | 68.4 | 9 | 1795.0 | - | 6.434453 |
| 6 | 2 | 62.9 | 9 | 1087.0 | - | 7.631115 |
| 7 | 1 | 58.6 | 9 | - | - | 9.405960 |

| Table 37 - FCC Long Pulse Radar (Type 5) Waveform Trial#20 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 8 | 3 | 92.8 | 9 | 1898.0 | 1247.0 | 11.951913 |

| Table 38 - FCC Long Pulse Radar (Type 5) Waveform Trial#21 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 68.5 | 11 | 1690.0 | - | 0.284471 |
| 2 | 3 | 83.8 | 11 | 1052.0 | 1411.0 | 0.664688 |
| 3 | 1 | 51.1 | 11 | - | - | 1.617865 |
| 4 | 2 | 89.3 | 11 | 1179.0 | - | 1.982257 |
| 5 | 3 | 59.4 | 11 | 1919.0 | 1136.0 | 2.645750 |
| 6 | 2 | 60.1 | 11 | 1020.0 | - | 3.595244 |
| 7 | 1 | 67.4 | 11 | - | - | 4.322200 |
| 8 | 1 | 56.9 | 11 | - | - | 4.861453 |
| 9 | 1 | 80.7 | 11 | - | - | 5.136961 |
| 10 | 2 | 66.9 | 11 | 1309.0 | - | 6.289580 |
| 11 | 1 | 53.1 | 11 | - | - | 6.331622 |
| 12 | 3 | 67.1 | 11 | 1120.0 | 1453.0 | 7.322567 |
| 13 | 3 | 85.4 | 11 | 1457.0 | 1650.0 | 7.872008 |
| 14 | 2 | 52.2 | 11 | 1613.0 | - | 8.813088 |
| 15 | 2 | 69.7 | 11 | 1505.0 | - | 9.074371 |
| 16 | 2 | 87.8 | 11 | 1462.0 | - | 9.549469 |
| 17 | 2 | 60.3 | 11 | 1654.0 | - | 10.718627 |
| 18 | 2 | 67.2 | 11 | 1879.0 | - | 10.782828 |
| 19 | 2 | 81.7 | 11 | 1399.0 | - | 11.722408 |

| Table 39 - FCC Long Pulse Radar (Type 5) Waveform Trial#22 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 71.0 | 9 | - | - | 0.433103 |
| 2 | 1 | 87.8 | 9 | - | - | 2.145310 |
| 3 | 3 | 93.8 | 9 | 1282.0 | 1702.0 | 3.895439 |
| 4 | 1 | 94.5 | 9 | - | - | 4.995211 |
| 5 | 2 | 58.6 | 9 | 1739.0 | - | 5.558550 |
| 6 | 2 | 84.6 | 9 | 1416.0 | - | 7.123429 |
| 7 | 3 | 91.2 | 9 | 1400.0 | 1377.0 | 8.477529 |
| 8 | 2 | 54.8 | 9 | 1930.0 | - | 10.664594 |
| 9 | 1 | 96.2 | 9 | - | - | 11.104773 |

| Table 40 - FCC Long Pulse Radar (Type 5) Waveform Trial#23 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 85.3 | 7 | - | - | 0.530415 |
| 2 | 2 | 55.8 | 7 | 1306.0 | - | 1.607352 |
| 3 | 1 | 78.8 | 7 | - | - | 2.680745 |
| 4 | 2 | 70.1 | 7 | 1574.0 | - | 3.994683 |
| 5 | 1 | 66.0 | 7 | - | - | 4.761392 |
| 6 | 3 | 67.3 | 7 | 1065.0 | 1130.0 | 5.880130 |
| 7 | 2 | 64.7 | 7 | 1487.0 | - | 6.619651 |
| 8 | 1 | 86.1 | 7 | - | - | 7.639373 |

| Table 40 - FCC Long Pulse Radar (Type 5) Waveform Trial#23 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 9 | 3 | 78.5 | 7 | 1341.0 | 1271.0 | 8.385066 |
| 10 | 1 | 96.5 | 7 | - | - | 9.538747 |
| 11 | 2 | 66.7 | 7 | 1190.0 | - | 10.038354 |
| 12 | 2 | 64.0 | 7 | 1289.0 | - | 11.057178 |

| Table 41 - FCC Long Pulse Radar (Type 5) Waveform Trial#24 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 50.3 | 18 | - | - | 0.912143 |
| 2 | 2 | 86.0 | 18 | 1829.0 | - | 2.148307 |
| 3 | 2 | 57.4 | 18 | 1089.0 | - | 3.566291 |
| 4 | 1 | 63.7 | 18 | - | - | 5.058378 |
| 5 | 1 | 62.1 | 18 | - | - | 6.645085 |
| 6 | 3 | 84.5 | 18 | 1374.0 | 1962.0 | 7.553869 |
| 7 | 1 | 88.3 | 18 | - | - | 8.563761 |
| 8 | 2 | 90.0 | 18 | 1096.0 | - | 10.567574 |
| 9 | 1 | 90.1 | 18 | - | - | 11.622434 |

| Table 42 - FCC Long Pulse Radar (Type 5) Waveform Trial#25 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 60.7 | 14 | 1942.0 | - | 0.681636 |
| 2 | 3 | 72.2 | 14 | 1442.0 | 1036.0 | 1.162959 |
| 3 | 3 | 77.6 | 14 | 1992.0 | 1695.0 | 2.565645 |
| 4 | 1 | 82.0 | 14 | - | - | 3.352803 |
| 5 | 1 | 80.7 | 14 | - | - | 3.839103 |
| 6 | 3 | 89.2 | 14 | 1884.0 | 1470.0 | 4.848800 |
| 7 | 3 | 62.5 | 14 | 1238.0 | 1689.0 | 5.908300 |
| 8 | 2 | 98.1 | 14 | 1402.0 | - | 7.241931 |
| 9 | 1 | 52.4 | 14 | - | - | 8.088997 |
| 10 | 3 | 99.7 | 14 | 1753.0 | 1738.0 | 8.921850 |
| 11 | 3 | 59.9 | 14 | 1051.0 | 1755.0 | 9.776969 |
| 12 | 2 | 87.8 | 14 | 1062.0 | - | 10.456140 |
| 13 | 2 | 95.5 | 14 | 1820.0 | - | 11.155309 |

| Table 43 - FCC Long Pulse Radar (Type 5) Waveform Trial#26 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 82.8 | 15 | 1552.0 | - | 0.967003 |
| 2 | 3 | 86.7 | 15 | 1342.0 | 1664.0 | 2.517147 |
| 3 | 2 | 86.7 | 15 | 1195.0 | - | 3.780134 |
| 4 | 1 | 90.0 | 15 | - | - | 4.427588 |
| 5 | 2 | 84.3 | 15 | 1273.0 | - | 6.325494 |
| 6 | 2 | 56.2 | 15 | 1547.0 | - | 7.112513 |
| 7 | 3 | 80.6 | 15 | 1369.0 | 1645.0 | 9.007539 |
| 8 | 2 | 85.5 | 15 | 1855.0 | - | 10.596548 |
| 9 | 2 | 70.1 | 15 | 1521.0 | - | 11.241235 |

| Table 44 - FCC Long Pulse Radar (Type 5) Waveform Trial#27 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 95.1 | 17 | 1570.0 | - | 0.349254 |
| 2 | 2 | 75.3 | 17 | 1632.0 | - | 1.124736 |
| 3 | 2 | 97.0 | 17 | 1861.0 | - | 1.779935 |
| 4 | 2 | 66.8 | 17 | 1947.0 | - | 2.119615 |
| 5 | 2 | 53.8 | 17 | 1065.0 | - | 2.683089 |
| 6 | 2 | 59.2 | 17 | 1145.0 | - | 3.443770 |
| 7 | 2 | 83.5 | 17 | 1312.0 | - | 4.231864 |
| 8 | 2 | 58.0 | 17 | 1133.0 | - | 4.824415 |
| 9 | 3 | 85.3 | 17 | 1408.0 | 1468.0 | 5.144432 |
| 10 | 1 | 79.8 | 17 | - | - | 6.296114 |
| 11 | 2 | 68.9 | 17 | 1803.0 | - | 6.673887 |
| 12 | 2 | 82.9 | 17 | 1051.0 | - | 7.432333 |
| 13 | 1 | 76.0 | 17 | - | - | 7.712122 |
| 14 | 2 | 82.1 | 17 | 1383.0 | - | 8.386600 |
| 15 | 2 | 64.2 | 17 | 1899.0 | - | 8.940329 |
| 16 | 3 | 74.8 | 17 | 1084.0 | 1911.0 | 9.483516 |
| 17 | 1 | 60.1 | 17 | - | - | 10.405026 |
| 18 | 1 | 64.5 | 17 | - | - | 11.182618 |
| 19 | 2 | 76.0 | 17 | 1320.0 | - | 11.602005 |

| Table 45 - FCC Long Pulse Radar (Type 5) Waveform Trial#28 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 73.6 | 8 | 1082.0 | - | 0.130002 |
| 2 | 3 | 63.8 | 8 | 1952.0 | 1813.0 | 1.137919 |
| 3 | 3 | 81.4 | 8 | 1298.0 | 1790.0 | 2.986394 |
| 4 | 2 | 61.8 | 8 | 1962.0 | - | 3.856015 |
| 5 | 2 | 82.2 | 8 | 1818.0 | - | 4.417709 |
| 6 | 1 | 62.2 | 8 | - | - | 5.931481 |
| 7 | 2 | 70.6 | 8 | 1500.0 | - | 6.673543 |
| 8 | 2 | 61.1 | 8 | 1687.0 | - | 7.302153 |
| 9 | 2 | 66.6 | 8 | 1412.0 | - | 8.213137 |
| 10 | 2 | 65.3 | 8 | 1528.0 | - | 9.010824 |
| 11 | 1 | 89.0 | 8 | - | - | 10.657783 |
| 12 | 1 | 61.7 | 8 | - | - | 11.670369 |

| Table 46 - FCC Long Pulse Radar (Type 5) Waveform Trial#29 (Detected) 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 71.6 | 10 | - | - | 0.778712 |
| 2 | 2 | 95.6 | 10 | 1579.0 | - | 1.736970 |
| 3 | 2 | 72.1 | 10 | 1604.0 | - | 2.977259 |
| 4 | 2 | 78.2 | 10 | 1161.0 | - | 3.949522 |
| 5 | 2 | 88.5 | 10 | 1753.0 | - | 4.857141 |
| 6 | 1 | 83.7 | 10 | - | - | 5.825515 |
| 7 | 3 | 86.2 | 10 | 1507.0 | 1236.0 | 6.945441 |
| 8 | 2 | 56.8 | 10 | 1766.0 | - | 7.055664 |
| 9 | 2 | 97.4 | 10 | 1085.0 | - | 8.284908 |
| 10 | 3 | 56.2 | 10 | 1295.0 | 1834.0 | 9.161424 |
| 11 | 2 | 99.4 | 10 | 1713.0 | - | 10.746454 |

| **Table 46 - FCC Long Pulse Radar (Type 5) Waveform Trial#29 (Detected) 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 12 | 2 | 92.4 | 10 | 1456.0 | - | 11.639111 |

| **Table 47 - FCC Long Pulse Radar (Type 5) Waveform Trial#30 (Detected) 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 63.5 | 8 | 1620.0 | - | 0.136052 |
| 2 | 1 | 53.6 | 8 | - | - | 1.187791 |
| 3 | 1 | 82.7 | 8 | - | - | 1.639181 |
| 4 | 2 | 77.0 | 8 | 1917.0 | - | 2.917230 |
| 5 | 2 | 97.2 | 8 | 1292.0 | - | 3.243680 |
| 6 | 2 | 98.2 | 8 | 1055.0 | - | 4.101631 |
| 7 | 2 | 54.0 | 8 | 1253.0 | - | 4.712360 |
| 8 | 2 | 82.9 | 8 | 1451.0 | - | 5.499647 |
| 9 | 3 | 77.0 | 8 | 1407.0 | 1427.0 | 6.128682 |
| 10 | 1 | 62.0 | 8 | - | - | 6.967208 |
| 11 | 2 | 84.9 | 8 | 1418.0 | - | 8.148605 |
| 12 | 2 | 50.7 | 8 | 1159.0 | - | 8.916953 |
| 13 | 2 | 93.9 | 8 | 1110.0 | - | 9.391167 |
| 14 | 3 | 82.5 | 8 | 1462.0 | 1747.0 | 10.306946 |
| 15 | 2 | 91.4 | 8 | 1062.0 | - | 10.933659 |
| 16 | 1 | 70.9 | 8 | - | - | 11.571075 |

| **Table 48 - FCC frequency hopping radar (Type 6) Results 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 9 | 1.0 | 333.0 | Yes | 5495.9MHz, -64.0dBm | Hop sequence: 5613, 5603, 5402, 5723, 5500, 5338, 5657, 5329, 5524, 5694, 5651, 5516, 5641, 5699, 5644, 5511, 5506, 5458, 5588, 5509, 5688, 5433, 5629, 5379, 5617, 5374, 5421, 5279, 5528, 5670, 5715, 5260, 5534, 5397, 5431, 5254, 5413, 5512, 5713, 5341, 5577, 5605, 5482, 5475, 5417, 5322, 5460, 5684, 5660, 5291, 5255, 5714, 5386, 5655, 5383, 5401, 5335, 5686, 5616, 5355, 5273, 5556, 5376, 5423, 5296, 5674, 5501, 5429, 5280, 5284, 5406, 5369, 5623, 5673, 5725, 5650, 5601, 5301, 5591, 5549, 5305, 5594, 5633, 5608, 5645, 5545, 5522, 5513, 5367, 5508, 5620, 5352, 5531, 5574, 5411, 5375, 5333, 5541, 5624, 5523 (2 hits) |
| 2 | 9 | 1.0 | 333.0 | Yes | 5496.9MHz, -64.0dBm | Hop sequence: 5374, 5502, 5416, 5718, 5318, 5349, 5638, 5369, 5269, 5449, 5626, 5324, 5375, 5380, 5617, 5525, 5487, 5278, 5609, 5574, 5548, 5606, 5410, 5491, 5397, 5550, 5421, 5536, 5252, 5533, 5342, 5400, 5663, 5272, 5705, 5608, 5577, 5466, 5402, 5332, 5391, 5629, 5668, 5690, 5285, 5473, 5564, 5509, 5277, 5647, 5649, 5687, 5431, 5658, 5711, 5358, 5301, 5514, 5489, 5475, 5405, 5320, 5585, 5292, 5583, 5356, 5308, 5288, 5443, 5544, 5593, 5293, 5646, 5677, 5636, 5526, 5600, 5262, 5549, 5708, 5556, 5673, 5343, 5434, 5411, 5260, 5644, 5283, 5282, 5281, 5495, 5428, 5661, 5291, 5589, 5474, 5720, 5482, 5439, 5537 (1 hits) |
| 3 | 9 | 1.0 | 333.0 | Yes | 5497.9MHz, -64.0dBm | Hop sequence: 5579, 5679, 5503, 5547, 5666, 5378, 5570, 5366, 5526, 5329, 5631, 5468, 5702, 5450, 5303, 5565, 5481, 5648, 5517, 5615, 5675, 5352, 5431, 5482, 5414, 5445, 5618, 5607, 5489, 5420, 5646, 5382, 5448, 5644, 5358, 5590, 5475, 5293, 5350, 5318, 5619, 5707, 5581, 5630, 5529, 5263, 5636, 5589, 5469, 5403, 5347, 5637, 5421, 5472, 5446, 5315, 5415, 5338, 5343, 5506, 5311, 5294, 5360, 5725, 5413, 5601, 5373, 5496, 5549, 5635, 5569, 5252, 5328, 5490, 5603, 5467, 5285, 5375, 5613, 5705, 5302, 5511, 5369, 5567, 5585, 5633, 5479, 5504, 5262, 5392, 5650, 5715, 5647, 5458, 5699, 5454, 5719, 5411, 5491, 5322 (3 hits) |

| **Table 48 - FCC frequency hopping radar (Type 6) Results 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 4 | 9 | 1.0 | 333.0 | Yes | 5498.9MHz, -64.0dBm | Hop sequence: 5534, 5595, 5312, 5679, 5256, 5527, 5296, 5414, 5702, 5283, 5388, 5294, 5588, 5418, 5623, 5272, 5300, 5563, 5608, 5655, 5479, 5484, 5725, 5492, 5333, 5373, 5262, 5441, 5642, 5544, 5334, 5538, 5362, 5430, 5335, 5467, 5578, 5667, 5255, 5448, 5356, 5607, 5466, 5697, 5315, 5571, 5269, 5308, 5481, 5302, 5399, 5587, 5516, 5278, 5266, 5431, 5364, 5369, 5460, 5695, 5551, 5645, 5389, 5428, 5643, 5288, 5445, 5669, 5568, 5270, 5292, 5402, 5456, 5290, 5432, 5589, 5573, 5498, 5291, 5688, 5273, 5377, 5665, 5417, 5438, 5620, 5713, 5707, 5617, 5318, 5705, 5437, 5407, 5560, 5591, 5475, 5250, 5524, 5546, 5597 (1 hits) |
| 5 | 9 | 1.0 | 333.0 | Yes | 5499.9MHz, -64.0dBm | Hop sequence: 5365, 5305, 5578, 5474, 5565, 5610, 5682, 5563, 5252, 5431, 5335, 5445, 5354, 5444, 5513, 5711, 5597, 5611, 5522, 5581, 5538, 5494, 5705, 5436, 5299, 5515, 5340, 5320, 5590, 5342, 5644, 5536, 5583, 5576, 5722, 5492, 5288, 5556, 5398, 5379, 5330, 5433, 5485, 5637, 5275, 5698, 5400, 5716, 5595, 5506, 5258, 5442, 5675, 5483, 5303, 5543, 5489, 5604, 5477, 5351, 5600, 5310, 5505, 5316, 5503, 5540, 5585, 5625, 5533, 5402, 5530, 5339, 5370, 5725, 5612, 5532, 5668, 5373, 5664, 5425, 5328, 5374, 5336, 5592, 5525, 5645, 5417, 5504, 5555, 5547, 5323, 5520, 5334, 5602, 5501, 5413, 5679, 5455, 5632, 5264 (3 hits) |
| 6 | 9 | 1.0 | 333.0 | Yes | 5500.9MHz, -64.0dBm | Hop sequence: 5720, 5663, 5330, 5375, 5659, 5254, 5695, 5636, 5643, 5414, 5507, 5353, 5582, 5340, 5431, 5520, 5707, 5387, 5610, 5684, 5435, 5618, 5470, 5709, 5427, 5560, 5473, 5640, 5614, 5631, 5491, 5436, 5376, 5405, 5355, 5364, 5395, 5418, 5571, 5490, 5271, 5550, 5699, 5677, 5282, 5717, 5285, 5264, 5270, 5386, 5396, 5401, 5587, 5261, 5548, 5662, 5336, 5523, 5393, 5444, 5412, 5558, 5553, 5479, 5621, 5647, 5629, 5570, 5373, 5301, 5331, 5284, 5635, 5260, 5256, 5697, 5670, 5617, 5438, 5455, 5480, 5458, 5641, 5300, 5272, 5482, 5656, 5466, 5297, 5658, 5691, 5591, 5678, 5724, 5718, 5474, 5551, 5625, 5268, 5503 (1 hits) |
| 7 | 9 | 1.0 | 333.0 | Yes | 5501.9MHz, | Hop sequence: 5392, 5603, 5251, |

| **Table 48 - FCC frequency hopping radar (Type 6) Results 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | -64.0dBm | 5670, 5278, 5296, 5383, 5489, 5448, 5612, 5586, 5718, 5454, 5629, 5684, 5343, 5312, 5613, 5280, 5713, 5353, 5574, 5304, 5256, 5429, 5595, 5369, 5623, 5664, 5546, 5523, 5555, 5583, 5568, 5461, 5449, 5687, 5655, 5303, 5675, 5506, 5346, 5287, 5522, 5298, 5606, 5345, 5426, 5723, 5364, 5709, 5414, 5638, 5654, 5292, 5358, 5302, 5443, 5672, 5711, 5436, 5446, 5636, 5271, 5525, 5498, 5252, 5590, 5693, 5676, 5542, 5681, 5277, 5496, 5648, 5333, 5657, 5307, 5534, 5669, 5710, 5433, 5281, 5487, 5705, 5584, 5360, 5409, 5465, 5464, 5396, 5492, 5663, 5471, 5551, 5332, 5484, 5609, 5327, 5349 (2 hits) |
| 8 | 9 | 1.0 | 333.0 | Yes | 5502.9MHz, -64.0dBm | Hop sequence: 5559, 5546, 5361, 5576, 5291, 5458, 5532, 5403, 5556, 5450, 5292, 5609, 5379, 5415, 5251, 5414, 5715, 5299, 5489, 5447, 5355, 5698, 5335, 5634, 5687, 5597, 5466, 5665, 5501, 5615, 5300, 5606, 5265, 5655, 5451, 5616, 5311, 5470, 5648, 5641, 5566, 5413, 5686, 5690, 5619, 5627, 5699, 5523, 5592, 5723, 5313, 5439, 5658, 5663, 5527, 5336, 5541, 5563, 5528, 5646, 5284, 5289, 5255, 5440, 5274, 5573, 5257, 5301, 5250, 5461, 5430, 5625, 5472, 5303, 5590, 5347, 5629, 5550, 5624, 5478, 5397, 5377, 5487, 5463, 5263, 5515, 5425, 5475, 5628, 5491, 5496, 5720, 5376, 5381, 5558, 5688, 5339, 5551, 5321, 5583 (2 hits) |
| 9 | 9 | 1.0 | 333.0 | Yes | 5503.9MHz, -64.0dBm | Hop sequence: 5637, 5452, 5488, 5306, 5270, 5569, 5712, 5271, 5251, 5444, 5491, 5326, 5392, 5674, 5333, 5394, 5532, 5385, 5549, 5498, 5337, 5289, 5608, 5537, 5639, 5309, 5339, 5616, 5318, 5409, 5370, 5273, 5476, 5363, 5539, 5390, 5595, 5544, 5631, 5552, 5481, 5679, 5550, 5556, 5667, 5628, 5652, 5451, 5663, 5436, 5313, 5299, 5546, 5397, 5504, 5609, 5584, 5575, 5507, 5531, 5579, 5353, 5483, 5541, 5315, 5322, 5324, 5471, 5280, 5287, 5264, 5434, 5500, 5554, 5610, 5330, 5396, 5325, 5323, 5666, 5445, 5621, 5641, 5404, 5258, 5681, 5599, 5699, 5354, 5606, 5290, 5502, 5640, 5722, 5673, 5524, 5650, 5659, 5692, 5644 (4 hits) |
| 10 | 9 | 1.0 | 333.0 | No | 5504.1MHz, -64.0dBm | Hop sequence: 5487, 5474, 5694, 5597, 5355, 5627, 5592, 5356, 5517, |

| **Table 48 - FCC frequency hopping radar (Type 6) Results 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5604, 5507, 5412, 5411, 5523, 5691, 5436, 5485, 5495, 5294, 5540, 5624, 5666, 5322, 5378, 5366, 5532, 5711, 5514, 5498, 5616, 5454, 5509, 5341, 5265, 5562, 5434, 5714, 5336, 5448, 5662, 5580, 5357, 5339, 5489, 5483, 5313, 5516, 5333, 5399, 5585, 5595, 5660, 5680, 5347, 5665, 5673, 5424, 5387, 5556, 5442, 5426, 5601, 5407, 5390, 5639, 5456, 5527, 5530, 5477, 5440, 5446, 5490, 5365, 5428, 5560, 5332, 5568, 5398, 5306, 5303, 5359, 5263, 5588, 5297, 5501, 5676, 5358, 5687, 5374, 5423, 5335, 5388, 5710, 5726, 5703, 5617, 5464, 5700, 5324, 5455 (2 hits) |
| 11 | 9 | 1.0 | 333.0 | Yes | 5495.9MHz, -64.0dBm | Hop sequence: 5252, 5657, 5650, 5616, 5541, 5556, 5550, 5344, 5480, 5671, 5302, 5702, 5325, 5491, 5503, 5488, 5363, 5352, 5451, 5644, 5348, 5366, 5635, 5399, 5559, 5726, 5413, 5414, 5469, 5672, 5319, 5571, 5471, 5454, 5582, 5431, 5542, 5278, 5564, 5660, 5715, 5570, 5293, 5540, 5601, 5535, 5453, 5482, 5379, 5639, 5479, 5552, 5295, 5593, 5464, 5511, 5513, 5619, 5408, 5459, 5501, 5612, 5442, 5706, 5714, 5407, 5359, 5591, 5263, 5270, 5297, 5341, 5447, 5365, 5267, 5526, 5343, 5290, 5529, 5611, 5294, 5370, 5475, 5443, 5499, 5584, 5721, 5620, 5554, 5632, 5356, 5269, 5428, 5419, 5489, 5637, 5448, 5618, 5441, 5284 (3 hits) |
| 12 | 9 | 1.0 | 333.0 | Yes | 5496.9MHz, -64.0dBm | Hop sequence: 5287, 5309, 5478, 5251, 5633, 5668, 5550, 5517, 5588, 5640, 5725, 5693, 5470, 5321, 5414, 5680, 5671, 5646, 5384, 5670, 5308, 5271, 5352, 5333, 5533, 5467, 5669, 5405, 5703, 5537, 5461, 5413, 5365, 5372, 5445, 5457, 5310, 5425, 5354, 5574, 5625, 5501, 5385, 5371, 5306, 5397, 5554, 5602, 5604, 5710, 5417, 5293, 5558, 5617, 5390, 5567, 5686, 5408, 5486, 5641, 5707, 5453, 5297, 5531, 5443, 5611, 5719, 5582, 5336, 5494, 5699, 5613, 5540, 5449, 5259, 5473, 5570, 5312, 5577, 5597, 5562, 5674, 5676, 5659, 5718, 5444, 5649, 5483, 5503, 5411, 5332, 5350, 5469, 5500, 5553, 5394, 5644, 5657, 5530, 5462 (3 hits) |
| 13 | 9 | 1.0 | 333.0 | Yes | 5497.9MHz, -64.0dBm | Hop sequence: 5403, 5479, 5313, 5630, 5388, 5454, 5574, 5299, 5525, 5579, 5332, 5292, 5667, 5546, 5409, |

| **Table 48 - FCC frequency hopping radar (Type 6) Results 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5713, 5513, 5671, 5380, 5497, 5538, 5474, 5467, 5567, 5720, 5571, 5345, 5264, 5609, 5459, 5517, 5530, 5558, 5291, 5267, 5675, 5304, 5430, 5277, 5358, 5666, 5708, 5672, 5269, 5549, 5450, 5663, 5681, 5354, 5374, 5563, 5279, 5361, 5302, 5561, 5481, 5599, 5256, 5651, 5716, 5489, 5432, 5255, 5617, 5519, 5665, 5522, 5384, 5594, 5381, 5674, 5640, 5499, 5642, 5539, 5376, 5473, 5685, 5715, 5349, 5451, 5585, 5625, 5662, 5611, 5462, 5265, 5373, 5408, 5677, 5350, 5618, 5428, 5323, 5320, 5406, 5552, 5325, 5283, 5616 (2 hits) |
| 14 | 9 | 1.0 | 333.0 | Yes | 5498.9MHz, -64.0dBm | Hop sequence: 5362, 5503, 5360, 5331, 5455, 5491, 5270, 5356, 5322, 5698, 5518, 5678, 5548, 5412, 5669, 5430, 5371, 5675, 5706, 5445, 5632, 5279, 5489, 5703, 5513, 5716, 5580, 5496, 5374, 5313, 5620, 5251, 5312, 5517, 5505, 5588, 5536, 5612, 5504, 5283, 5643, 5342, 5562, 5409, 5474, 5522, 5377, 5369, 5408, 5411, 5551, 5323, 5418, 5424, 5284, 5443, 5575, 5392, 5671, 5714, 5694, 5659, 5422, 5527, 5666, 5305, 5614, 5314, 5584, 5598, 5437, 5367, 5309, 5597, 5492, 5442, 5365, 5596, 5664, 5667, 5481, 5294, 5460, 5567, 5366, 5630, 5353, 5326, 5351, 5296, 5539, 5292, 5701, 5720, 5569, 5649, 5652, 5563, 5516, 5696 (3 hits) |
| 15 | 9 | 1.0 | 333.0 | Yes | 5499.9MHz, -64.0dBm | Hop sequence: 5292, 5640, 5502, 5395, 5557, 5650, 5693, 5367, 5575, 5461, 5377, 5475, 5563, 5509, 5638, 5532, 5306, 5252, 5623, 5699, 5562, 5598, 5265, 5632, 5680, 5629, 5566, 5679, 5341, 5376, 5328, 5500, 5441, 5669, 5649, 5398, 5494, 5503, 5528, 5373, 5379, 5281, 5539, 5267, 5329, 5686, 5672, 5537, 5275, 5663, 5619, 5682, 5486, 5517, 5260, 5713, 5393, 5531, 5466, 5555, 5501, 5683, 5467, 5590, 5625, 5297, 5615, 5684, 5569, 5450, 5512, 5481, 5255, 5397, 5674, 5254, 5270, 5288, 5580, 5392, 5414, 5293, 5510, 5620, 5554, 5662, 5656, 5508, 5645, 5259, 5600, 5611, 5300, 5250, 5677, 5434, 5330, 5644, 5492, 5344 (4 hits) |
| 16 | 9 | 1.0 | 333.0 | Yes | 5500.9MHz, -64.0dBm | Hop sequence: 5553, 5289, 5385, 5431, 5372, 5643, 5532, 5302, 5264, 5522, 5433, 5390, 5617, 5636, 5567, 5344, 5635, 5313, 5696, 5415, 5334, |

| **Table 48 - FCC frequency hopping radar (Type 6) Results 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5419, 5377, 5352, 5536, 5537, 5425, 5337, 5358, 5572, 5724, 5292, 5509, 5547, 5494, 5610, 5306, 5690, 5416, 5559, 5614, 5429, 5484, 5355, 5447, 5269, 5340, 5551, 5520, 5683, 5293, 5602, 5674, 5495, 5324, 5692, 5445, 5676, 5375, 5514, 5330, 5465, 5670, 5316, 5389, 5517, 5262, 5626, 5648, 5320, 5535, 5686, 5475, 5667, 5543, 5452, 5265, 5318, 5323, 5406, 5714, 5477, 5411, 5646, 5662, 5700, 5552, 5641, 5618, 5301, 5469, 5478, 5688, 5395, 5634, 5453, 5457, 5689, 5630, 5498 (1 hits) |
| 17 | 9 | 1.0 | 333.0 | Yes | 5501.9MHz, -64.0dBm | Hop sequence: 5383, 5407, 5627, 5658, 5389, 5661, 5353, 5385, 5276, 5546, 5600, 5348, 5581, 5668, 5379, 5579, 5587, 5360, 5596, 5269, 5566, 5623, 5365, 5625, 5564, 5331, 5404, 5316, 5422, 5397, 5662, 5673, 5255, 5363, 5409, 5605, 5536, 5689, 5406, 5489, 5471, 5497, 5428, 5604, 5665, 5584, 5460, 5384, 5480, 5562, 5614, 5556, 5323, 5509, 5356, 5358, 5525, 5639, 5704, 5637, 5496, 5329, 5467, 5398, 5292, 5355, 5310, 5703, 5465, 5713, 5344, 5595, 5695, 5609, 5715, 5425, 5723, 5492, 5264, 5433, 5563, 5396, 5456, 5544, 5675, 5461, 5381, 5282, 5345, 5393, 5388, 5412, 5444, 5663, 5521, 5721, 5372, 5701, 5645, 5633 (2 hits) |
| 18 | 9 | 1.0 | 333.0 | Yes | 5502.9MHz, -64.0dBm | Hop sequence: 5456, 5366, 5509, 5706, 5495, 5717, 5344, 5416, 5647, 5544, 5351, 5652, 5723, 5486, 5583, 5420, 5414, 5587, 5599, 5368, 5260, 5615, 5490, 5725, 5666, 5578, 5447, 5474, 5494, 5628, 5489, 5503, 5365, 5591, 5689, 5699, 5626, 5625, 5337, 5295, 5291, 5338, 5641, 5562, 5479, 5279, 5276, 5561, 5677, 5391, 5526, 5399, 5302, 5450, 5719, 5328, 5448, 5442, 5333, 5352, 5516, 5381, 5658, 5417, 5315, 5342, 5411, 5536, 5313, 5675, 5413, 5270, 5388, 5354, 5251, 5461, 5629, 5376, 5572, 5655, 5465, 5410, 5653, 5540, 5488, 5606, 5449, 5451, 5262, 5304, 5643, 5307, 5298, 5596, 5665, 5550, 5674, 5324, 5305, 5520 (1 hits) |
| 19 | 9 | 1.0 | 333.0 | Yes | 5503.9MHz, -64.0dBm | Hop sequence: 5693, 5386, 5333, 5713, 5295, 5476, 5314, 5701, 5462, 5495, 5392, 5447, 5440, 5481, 5538, 5604, 5257, 5325, 5634, 5707, 5355, 5622, 5545, 5448, 5351, 5546, 5631, |

| **Table 48 - FCC frequency hopping radar (Type 6) Results 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5289, 5436, 5501, 5276, 5449, 5503, 5550, 5543, 5374, 5516, 5510, 5327, 5383, 5563, 5466, 5666, 5324, 5537, 5583, 5587, 5677, 5688, 5628, 5274, 5284, 5365, 5273, 5575, 5703, 5700, 5458, 5446, 5670, 5315, 5300, 5560, 5349, 5614, 5406, 5566, 5684, 5665, 5485, 5320, 5498, 5479, 5571, 5557, 5345, 5396, 5598, 5710, 5505, 5346, 5266, 5398, 5608, 5329, 5474, 5410, 5541, 5334, 5372, 5588, 5694, 5593, 5385, 5306, 5533, 5620, 5360, 5450, 5542 (3 hits) |
| 20 | 9 | 1.0 | 333.0 | Yes | 5504.1MHz, -64.0dBm | Hop sequence: 5540, 5507, 5401, 5271, 5524, 5441, 5414, 5442, 5369, 5432, 5351, 5528, 5721, 5411, 5447, 5272, 5302, 5394, 5295, 5345, 5701, 5655, 5282, 5610, 5327, 5460, 5451, 5593, 5498, 5527, 5644, 5563, 5419, 5601, 5347, 5557, 5291, 5687, 5338, 5399, 5656, 5355, 5502, 5618, 5446, 5367, 5336, 5680, 5706, 5384, 5339, 5503, 5501, 5459, 5310, 5533, 5572, 5396, 5588, 5307, 5559, 5381, 5423, 5622, 5449, 5585, 5688, 5586, 5391, 5513, 5496, 5592, 5516, 5335, 5597, 5474, 5425, 5652, 5313, 5463, 5691, 5648, 5366, 5642, 5477, 5364, 5415, 5505, 5389, 5376, 5489, 5408, 5448, 5654, 5578, 5679, 5266, 5322, 5329, 5542 (5 hits) |
| 21 | 9 | 1.0 | 333.0 | Yes | 5495.9MHz, -64.0dBm | Hop sequence: 5651, 5682, 5661, 5454, 5378, 5350, 5578, 5556, 5260, 5543, 5343, 5431, 5696, 5502, 5408, 5514, 5529, 5345, 5304, 5555, 5624, 5282, 5566, 5516, 5692, 5678, 5660, 5545, 5388, 5329, 5585, 5346, 5335, 5721, 5415, 5338, 5397, 5347, 5588, 5434, 5699, 5264, 5354, 5376, 5369, 5552, 5490, 5349, 5336, 5596, 5331, 5544, 5562, 5539, 5568, 5275, 5609, 5294, 5443, 5684, 5406, 5535, 5657, 5708, 5499, 5484, 5497, 5447, 5508, 5380, 5271, 5681, 5413, 5384, 5317, 5265, 5486, 5429, 5586, 5467, 5390, 5252, 5293, 5557, 5685, 5603, 5605, 5494, 5703, 5392, 5332, 5311, 5256, 5333, 5639, 5368, 5412, 5686, 5452, 5459 (3 hits) |
| 22 | 9 | 1.0 | 333.0 | Yes | 5496.9MHz, -64.0dBm | Hop sequence: 5433, 5327, 5606, 5646, 5302, 5562, 5328, 5382, 5522, 5567, 5564, 5537, 5702, 5292, 5616, 5464, 5494, 5596, 5586, 5665, 5692, 5453, 5705, 5388, 5398, 5560, 5447, 5401, 5721, 5313, 5348, 5469, 5315, |

| **Table 48 - FCC frequency hopping radar (Type 6) Results 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5333, 5314, 5375, 5514, 5250, 5541, 5349, 5430, 5664, 5632, 5533, 5495, 5419, 5670, 5317, 5343, 5610, 5255, 5295, 5283, 5429, 5323, 5322, 5658, 5608, 5671, 5408, 5359, 5486, 5471, 5304, 5500, 5505, 5346, 5503, 5637, 5273, 5501, 5297, 5336, 5423, 5603, 5311, 5358, 5681, 5627, 5412, 5357, 5477, 5265, 5549, 5428, 5455, 5655, 5257, 5530, 5476, 5263, 5435, 5431, 5370, 5411, 5372, 5707, 5649, 5350, 5438 (3 hits) |
| 23 | 9 | 1.0 | 333.0 | Yes | 5497.9MHz, -64.0dBm | Hop sequence: 5548, 5345, 5556, 5524, 5687, 5563, 5383, 5560, 5648, 5303, 5642, 5725, 5301, 5517, 5561, 5320, 5720, 5677, 5633, 5447, 5394, 5264, 5315, 5497, 5369, 5368, 5716, 5574, 5346, 5266, 5407, 5433, 5672, 5275, 5684, 5514, 5537, 5324, 5403, 5289, 5360, 5627, 5600, 5294, 5256, 5499, 5281, 5562, 5363, 5441, 5611, 5400, 5646, 5476, 5351, 5550, 5681, 5504, 5549, 5570, 5459, 5253, 5310, 5405, 5606, 5521, 5585, 5306, 5312, 5268, 5535, 5254, 5286, 5591, 5370, 5588, 5477, 5307, 5551, 5416, 5445, 5367, 5614, 5305, 5660, 5434, 5516, 5450, 5624, 5473, 5592, 5446, 5317, 5390, 5705, 5481, 5348, 5544, 5698, 5371 (3 hits) |
| 24 | 9 | 1.0 | 333.0 | Yes | 5498.9MHz, -64.0dBm | Hop sequence: 5312, 5526, 5479, 5699, 5361, 5342, 5531, 5666, 5463, 5325, 5474, 5355, 5712, 5289, 5457, 5505, 5696, 5307, 5636, 5344, 5710, 5453, 5399, 5416, 5283, 5421, 5705, 5589, 5621, 5520, 5596, 5707, 5485, 5500, 5546, 5408, 5365, 5600, 5404, 5329, 5502, 5709, 5455, 5279, 5550, 5570, 5288, 5630, 5720, 5653, 5617, 5584, 5616, 5549, 5694, 5341, 5424, 5411, 5564, 5480, 5575, 5552, 5498, 5314, 5536, 5353, 5602, 5434, 5254, 5674, 5439, 5721, 5328, 5310, 5415, 5372, 5332, 5640, 5619, 5304, 5477, 5357, 5322, 5669, 5487, 5380, 5608, 5488, 5555, 5659, 5266, 5507, 5418, 5334, 5276, 5263, 5503, 5567, 5429, 5650 (4 hits) |
| 25 | 9 | 1.0 | 333.0 | Yes | 5499.9MHz, -64.0dBm | Hop sequence: 5260, 5647, 5508, 5391, 5336, 5607, 5538, 5362, 5496, 5365, 5619, 5353, 5674, 5612, 5667, 5529, 5617, 5377, 5271, 5395, 5690, 5628, 5329, 5370, 5598, 5594, 5631, 5284, 5569, 5491, 5334, 5301, 5400, 5333, 5282, 5621, 5537, 5692, 5447, |

| Table 48 - FCC frequency hopping radar (Type 6) Results 10MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5380, 5439, 5412, 5566, 5611, 5596, 5427, 5472, 5599, 5545, 5656, 5605, 5279, 5577, 5497, 5526, 5583, 5452, 5358, 5262, 5359, 5341, 5591, 5376, 5564, 5685, 5478, 5517, 5414, 5425, 5559, 5520, 5360, 5681, 5398, 5261, 5356, 5701, 5571, 5449, 5255, 5555, 5348, 5451, 5354, 5390, 5510, 5387, 5325, 5319, 5401, 5549, 5483, 5523, 5490, 5295, 5661, 5536, 5448, 5669, 5465 (2 hits) |
| 26 | 9 | 1.0 | 333.0 | Yes | 5500.9MHz, -64.0dBm | Hop sequence: 5517, 5323, 5637, 5677, 5310, 5392, 5520, 5273, 5473, 5423, 5720, 5342, 5547, 5260, 5462, 5286, 5692, 5258, 5576, 5559, 5719, 5533, 5313, 5609, 5336, 5532, 5418, 5579, 5554, 5615, 5629, 5413, 5700, 5699, 5703, 5568, 5409, 5698, 5563, 5333, 5708, 5341, 5365, 5454, 5718, 5398, 5304, 5449, 5642, 5592, 5715, 5393, 5426, 5603, 5585, 5422, 5646, 5266, 5352, 5620, 5288, 5402, 5424, 5664, 5564, 5630, 5490, 5659, 5416, 5548, 5407, 5584, 5696, 5623, 5326, 5605, 5680, 5499, 5410, 5553, 5457, 5656, 5581, 5269, 5510, 5534, 5567, 5595, 5650, 5430, 5575, 5570, 5470, 5338, 5506, 5522, 5441, 5460, 5452, 5538 (1 hits) |
| 27 | 9 | 1.0 | 333.0 | Yes | 5501.9MHz, -64.0dBm | Hop sequence: 5404, 5548, 5389, 5490, 5483, 5472, 5687, 5502, 5328, 5304, 5623, 5388, 5689, 5413, 5652, 5320, 5628, 5722, 5534, 5658, 5345, 5721, 5269, 5514, 5288, 5518, 5581, 5318, 5363, 5314, 5695, 5334, 5515, 5300, 5497, 5279, 5342, 5441, 5606, 5672, 5725, 5639, 5353, 5549, 5717, 5252, 5568, 5434, 5419, 5598, 5338, 5351, 5504, 5313, 5469, 5618, 5488, 5282, 5638, 5685, 5625, 5494, 5521, 5670, 5704, 5365, 5641, 5348, 5697, 5642, 5550, 5512, 5280, 5608, 5478, 5542, 5699, 5311, 5509, 5284, 5651, 5449, 5452, 5384, 5326, 5554, 5266, 5709, 5560, 5574, 5379, 5538, 5397, 5465, 5627, 5374, 5541, 5459, 5295, 5456 (3 hits) |
| 28 | 9 | 1.0 | 333.0 | Yes | 5502.9MHz, -64.0dBm | Hop sequence: 5334, 5710, 5518, 5325, 5420, 5539, 5497, 5683, 5573, 5296, 5314, 5509, 5258, 5612, 5558, 5638, 5688, 5383, 5605, 5672, 5526, 5402, 5540, 5494, 5473, 5547, 5721, 5577, 5295, 5397, 5664, 5271, 5621, 5568, 5408, 5451, 5551, 5434, 5642, 5691, 5714, 5521, 5260, 5400, 5651, |

| **Table 48 - FCC frequency hopping radar (Type 6) Results 10MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5407, 5485, 5320, 5475, 5480, 5401, 5698, 5606, 5469, 5318, 5572, 5566, 5279, 5617, 5599, 5331, 5430, 5574, 5486, 5515, 5287, 5311, 5415, 5511, 5674, 5374, 5644, 5724, 5555, 5650, 5548, 5444, 5253, 5319, 5649, 5393, 5564, 5524, 5274, 5528, 5662, 5625, 5499, 5459, 5468, 5484, 5504, 5301, 5682, 5490, 5663, 5390, 5595, 5622, 5560 (3 hits) |
| 29 | 9 | 1.0 | 333.0 | Yes | 5503.9MHz, -64.0dBm | Hop sequence: 5646, 5630, 5336, 5514, 5434, 5566, 5380, 5471, 5335, 5608, 5648, 5680, 5379, 5637, 5482, 5501, 5641, 5478, 5390, 5567, 5353, 5558, 5265, 5516, 5500, 5321, 5554, 5340, 5492, 5273, 5686, 5348, 5267, 5318, 5709, 5714, 5389, 5711, 5293, 5386, 5355, 5720, 5494, 5345, 5645, 5372, 5724, 5590, 5376, 5667, 5507, 5612, 5330, 5358, 5650, 5337, 5672, 5447, 5601, 5607, 5342, 5388, 5270, 5526, 5457, 5381, 5656, 5369, 5692, 5301, 5527, 5712, 5480, 5542, 5620, 5429, 5629, 5719, 5528, 5498, 5597, 5253, 5479, 5520, 5322, 5359, 5268, 5583, 5416, 5657, 5515, 5582, 5537, 5303, 5261, 5288, 5513, 5578, 5669, 5676 (3 hits) |
| 30 | 9 | 1.0 | 333.0 | Yes | 5504.1MHz, -64.0dBm | Hop sequence: 5277, 5376, 5523, 5260, 5624, 5424, 5432, 5502, 5314, 5554, 5698, 5689, 5329, 5336, 5669, 5364, 5337, 5404, 5608, 5297, 5652, 5576, 5550, 5696, 5672, 5615, 5307, 5344, 5631, 5303, 5456, 5421, 5693, 5318, 5393, 5632, 5699, 5590, 5675, 5391, 5399, 5392, 5605, 5360, 5341, 5403, 5444, 5511, 5279, 5417, 5400, 5544, 5628, 5553, 5295, 5571, 5379, 5638, 5578, 5462, 5545, 5627, 5513, 5373, 5339, 5705, 5721, 5677, 5345, 5455, 5363, 5613, 5453, 5356, 5557, 5294, 5654, 5602, 5414, 5610, 5362, 5640, 5257, 5412, 5500, 5706, 5259, 5704, 5685, 5488, 5636, 5367, 5358, 5296, 5501, 5443, 5658, 5543, 5368, 5308 (3 hits) |

| Table 49 - Detection Bandwidth Measurements (Bandwidth: +8.3MHz /-8.5MHz) 20MHz | | | | | |
|---|---|---|---|---|---|
| EUT Frequency | Radar Type | Radar Frequency | # Detected | # Not Detected | Success (%) |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5491.00 MHz | 0 | 2 | 0 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5491.40 MHz | 0 | 2 | 0 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5491.50 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5492.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5493.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5494.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5495.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5500.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5505.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5506.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5507.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5508.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5508.30 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5508.40 MHz | 1 | 2 | 33 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5509.00 MHz | 1 | 2 | 33 |

| Table 50 - FCC Short Pulse Radar (Type 1A) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 74 | 1.0 | 718.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 2 | 89 | 1.0 | 598.0 | Yes | 5502.3MHz,-64.0dBm | Single burst |
| 3 | 67 | 1.0 | 798.0 | Yes | 5503.9MHz,-64.0dBm | Single burst |
| 4 | 68 | 1.0 | 778.0 | Yes | 5505.0MHz,-64.0dBm | Single burst |
| 5 | 61 | 1.0 | 878.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 6 | 92 | 1.0 | 578.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 7 | 86 | 1.0 | 618.0 | Yes | 5491.9MHz,-64.0dBm | Single burst |
| 8 | 63 | 1.0 | 838.0 | Yes | 5493.2MHz,-64.0dBm | Single burst |
| 9 | 72 | 1.0 | 738.0 | Yes | 5497.1MHz,-64.0dBm | Single burst |
| 10 | 99 | 1.0 | 538.0 | Yes | 5500.3MHz,-64.0dBm | Single burst |
| 11 | 70 | 1.0 | 758.0 | Yes | 5501.5MHz,-64.0dBm | Single burst |
| 12 | 81 | 1.0 | 658.0 | Yes | 5504.0MHz,-64.0dBm | Single burst |
| 13 | 57 | 1.0 | 938.0 | Yes | 5506.6MHz,-64.0dBm | Single burst |
| 14 | 83 | 1.0 | 638.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 15 | 76 | 1.0 | 698.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |

| Table 51 - FCC Short Pulse Radar (Type 1B) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 50 | 1.0 | 1064.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 2 | 26 | 1.0 | 2044.0 | Yes | 5501.0MHz,-64.0dBm | Single burst |
| 3 | 41 | 1.0 | 1309.0 | Yes | 5502.4MHz,-64.0dBm | Single burst |
| 4 | 23 | 1.0 | 2386.0 | Yes | 5504.7MHz,-64.0dBm | Single burst |
| 5 | 21 | 1.0 | 2561.0 | Yes | 5506.5MHz,-64.0dBm | Single burst |
| 6 | 55 | 1.0 | 964.0 | Yes | 5507.8MHz,-64.0dBm | Single burst |
| 7 | 32 | 1.0 | 1696.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 8 | 30 | 1.0 | 1803.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 9 | 36 | 1.0 | 1474.0 | Yes | 5493.8MHz,-64.0dBm | Single burst |
| 10 | 27 | 1.0 | 1973.0 | Yes | 5495.1MHz,-64.0dBm | Single burst |

| Table 51 - FCC Short Pulse Radar (Type 1B) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 11 | 29 | 1.0 | 1828.0 | Yes | 5498.8MHz,-64.0dBm | Single burst |
| 12 | 46 | 1.0 | 1162.0 | Yes | 5500.3MHz,-64.0dBm | Single burst |
| 13 | 44 | 1.0 | 1214.0 | Yes | 5503.1MHz,-64.0dBm | Single burst |
| 14 | 74 | 1.0 | 716.0 | Yes | 5506.2MHz,-64.0dBm | Single burst |
| 15 | 32 | 1.0 | 1692.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |

| Table 52 - FCC Short Pulse Radar (Type 2) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 28 | 4.2 | 198.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 2 | 28 | 1.9 | 227.0 | Yes | 5501.1MHz,-64.0dBm | Single burst |
| 3 | 24 | 4.3 | 196.0 | Yes | 5504.4MHz,-64.0dBm | Single burst |
| 4 | 27 | 2.8 | 185.0 | Yes | 5505.5MHz,-64.0dBm | Single burst |
| 5 | 26 | 2.8 | 195.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 6 | 29 | 2.9 | 165.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 7 | 24 | 1.6 | 183.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 8 | 29 | 3.3 | 178.0 | Yes | 5492.5MHz,-64.0dBm | Single burst |
| 9 | 25 | 1.2 | 225.0 | Yes | 5495.7MHz,-64.0dBm | Single burst |
| 10 | 29 | 1.5 | 226.0 | Yes | 5497.3MHz,-64.0dBm | Single burst |
| 11 | 25 | 1.0 | 200.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 12 | 28 | 3.7 | 197.0 | Yes | 5501.0MHz,-64.0dBm | Single burst |
| 13 | 29 | 4.2 | 220.0 | Yes | 5504.2MHz,-64.0dBm | Single burst |
| 14 | 29 | 2.5 | 153.0 | Yes | 5507.3MHz,-64.0dBm | Single burst |
| 15 | 27 | 1.5 | 169.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 16 | 27 | 1.6 | 186.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 17 | 28 | 3.8 | 217.0 | Yes | 5493.5MHz,-64.0dBm | Single burst |
| 18 | 28 | 3.3 | 195.0 | Yes | 5495.8MHz,-64.0dBm | Single burst |
| 19 | 25 | 1.4 | 229.0 | Yes | 5497.5MHz,-64.0dBm | Single burst |
| 20 | 26 | 2.6 | 182.0 | Yes | 5500.9MHz,-64.0dBm | Single burst |
| 21 | 24 | 4.3 | 160.0 | Yes | 5503.8MHz,-64.0dBm | Single burst |
| 22 | 25 | 4.8 | 204.0 | Yes | 5506.2MHz,-64.0dBm | Single burst |
| 23 | 26 | 3.9 | 219.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 24 | 27 | 2.6 | 229.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 25 | 25 | 3.9 | 190.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 26 | 24 | 1.1 | 153.0 | Yes | 5492.9MHz,-64.0dBm | Single burst |
| 27 | 27 | 3.4 | 163.0 | Yes | 5495.9MHz,-64.0dBm | Single burst |
| 28 | 24 | 2.7 | 225.0 | Yes | 5499.0MHz,-64.0dBm | Single burst |
| 29 | 24 | 2.7 | 181.0 | Yes | 5501.3MHz,-64.0dBm | Single burst |
| 30 | 25 | 1.5 | 198.0 | Yes | 5502.5MHz,-64.0dBm | Single burst |

| Table 53 - FCC Short Pulse Radar (Type 3) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 17 | 9.5 | 278.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 2 | 18 | 6.2 | 279.0 | Yes | 5501.7MHz,-64.0dBm | Single burst |
| 3 | 17 | 7.9 | 365.0 | Yes | 5502.7MHz,-64.0dBm | Single burst |
| 4 | 17 | 6.5 | 390.0 | Yes | 5505.2MHz,-64.0dBm | Single burst |
| 5 | 17 | 7.8 | 435.0 | Yes | 5506.8MHz,-64.0dBm | Single burst |

| Table 53 - FCC Short Pulse Radar (Type 3) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 6 | 16 | 9.6 | 396.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 7 | 16 | 9.6 | 496.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 8 | 16 | 8.6 | 221.0 | Yes | 5492.7MHz,-64.0dBm | Single burst |
| 9 | 16 | 8.3 | 306.0 | Yes | 5496.5MHz,-64.0dBm | Single burst |
| 10 | 17 | 8.6 | 245.0 | Yes | 5498.5MHz,-64.0dBm | Single burst |
| 11 | 18 | 9.9 | 417.0 | Yes | 5502.2MHz,-64.0dBm | Single burst |
| 12 | 16 | 6.8 | 438.0 | Yes | 5505.0MHz,-64.0dBm | Single burst |
| 13 | 18 | 6.7 | 367.0 | Yes | 5506.3MHz,-64.0dBm | Single burst |
| 14 | 16 | 6.2 | 312.0 | Yes | 5508.0MHz,-64.0dBm | Single burst |
| 15 | 17 | 8.7 | 385.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 16 | 18 | 6.8 | 206.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 17 | 17 | 8.7 | 492.0 | Yes | 5492.4MHz,-64.0dBm | Single burst |
| 18 | 16 | 8.2 | 391.0 | Yes | 5494.3MHz,-64.0dBm | Single burst |
| 19 | 16 | 8.2 | 359.0 | Yes | 5496.6MHz,-64.0dBm | Single burst |
| 20 | 17 | 8.9 | 315.0 | Yes | 5498.7MHz,-64.0dBm | Single burst |
| 21 | 16 | 7.8 | 427.0 | Yes | 5501.5MHz,-64.0dBm | Single burst |
| 22 | 18 | 7.0 | 442.0 | Yes | 5503.4MHz,-64.0dBm | Single burst |
| 23 | 17 | 7.2 | 409.0 | Yes | 5506.9MHz,-64.0dBm | Single burst |
| 24 | 17 | 9.6 | 424.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 25 | 17 | 9.2 | 308.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 26 | 18 | 6.1 | 373.0 | Yes | 5493.1MHz,-64.0dBm | Single burst |
| 27 | 18 | 9.8 | 376.0 | Yes | 5494.3MHz,-64.0dBm | Single burst |
| 28 | 18 | 9.7 | 462.0 | Yes | 5498.0MHz,-64.0dBm | Single burst |
| 29 | 16 | 8.9 | 328.0 | Yes | 5499.6MHz,-64.0dBm | Single burst |
| 30 | 17 | 8.3 | 430.0 | Yes | 5503.1MHz,-64.0dBm | Single burst |

| Table 54 - FCC Short Pulse Radar (Type 4) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 14 | 11.8 | 328.0 | Yes | 5500.0MHz,-64.0dBm | Single burst |
| 2 | 15 | 13.1 | 458.0 | Yes | 5501.3MHz,-64.0dBm | Single burst |
| 3 | 14 | 13.8 | 366.0 | Yes | 5504.6MHz,-64.0dBm | Single burst |
| 4 | 12 | 16.7 | 454.0 | Yes | 5506.7MHz,-64.0dBm | Single burst |
| 5 | 15 | 11.7 | 324.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 6 | 16 | 13.7 | 270.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 7 | 14 | 13.7 | 445.0 | Yes | 5493.0MHz,-64.0dBm | Single burst |
| 8 | 15 | 16.0 | 228.0 | Yes | 5496.3MHz,-64.0dBm | Single burst |
| 9 | 12 | 14.4 | 492.0 | Yes | 5499.0MHz,-64.0dBm | Single burst |
| 10 | 14 | 15.1 | 469.0 | Yes | 5501.6MHz,-64.0dBm | Single burst |
| 11 | 14 | 14.9 | 478.0 | Yes | 5505.5MHz,-64.0dBm | Single burst |
| 12 | 13 | 13.4 | 490.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |
| 13 | 13 | 16.6 | 250.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 14 | 13 | 12.5 | 208.0 | Yes | 5494.1MHz,-64.0dBm | Single burst |
| 15 | 14 | 12.9 | 427.0 | Yes | 5496.8MHz,-64.0dBm | Single burst |
| 16 | 14 | 17.4 | 349.0 | Yes | 5499.4MHz,-64.0dBm | Single burst |
| 17 | 14 | 15.8 | 471.0 | Yes | 5501.2MHz,-64.0dBm | Single burst |
| 18 | 13 | 17.3 | 363.0 | Yes | 5503.3MHz,-64.0dBm | Single burst |
| 19 | 13 | 13.3 | 455.0 | Yes | 5505.7MHz,-64.0dBm | Single burst |
| 20 | 15 | 12.5 | 466.0 | Yes | 5507.7MHz,-64.0dBm | Single burst |
| 21 | 13 | 13.4 | 386.0 | Yes | 5508.2MHz,-64.0dBm | Single burst |

| Table 54 - FCC Short Pulse Radar (Type 4) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 22 | 14 | 13.0 | 491.0 | Yes | 5491.8MHz,-64.0dBm | Single burst |
| 23 | 13 | 17.7 | 287.0 | Yes | 5492.5MHz,-64.0dBm | Single burst |
| 24 | 15 | 11.7 | 307.0 | Yes | 5493.9MHz,-64.0dBm | Single burst |
| 25 | 15 | 11.2 | 386.0 | Yes | 5496.4MHz,-64.0dBm | Single burst |
| 26 | 12 | 11.6 | 487.0 | Yes | 5498.7MHz,-64.0dBm | Single burst |
| 27 | 13 | 12.1 | 450.0 | Yes | 5501.6MHz,-64.0dBm | Single burst |
| 28 | 15 | 12.1 | 307.0 | Yes | 5504.7MHz,-64.0dBm | Single burst |
| 29 | 16 | 19.9 | 353.0 | Yes | 5505.9MHz,-64.0dBm | Single burst |
| 30 | 16 | 13.8 | 229.0 | Yes | 5507.2MHz,-64.0dBm | Single burst |

| Table 55 - FCC Long Pulse Radar (Type 5) Waveform Summary 20MHz | | |
|---|---|---|
| FCC Long Pulse Radar (Type 5) Trial | Result | Frequency, Level |
| Trial #1 | Detected | 5500.0MHz,-64.0dBm |
| Trial #2 | Detected | 5500.0MHz,-64.0dBm |
| Trial #3 | Detected | 5500.0MHz,-64.0dBm |
| Trial #4 | Detected | 5500.0MHz,-64.0dBm |
| Trial #5 | Detected | 5500.0MHz,-64.0dBm |
| Trial #6 | Detected | 5500.0MHz,-64.0dBm |
| Trial #7 | Detected | 5500.0MHz,-64.0dBm |
| Trial #8 | Detected | 5500.0MHz,-64.0dBm |
| Trial #9 | Detected | 5500.0MHz,-64.0dBm |
| Trial #10 | Detected | 5500.0MHz,-64.0dBm |
| Trial #11 | Detected | 5495.0MHz,-64.0dBm |
| Trial #12 | Detected | 5495.0MHz,-64.0dBm |
| Trial #13 | Detected | 5498.2MHz,-64.0dBm |
| Trial #14 | Detected | 5499.8MHz,-64.0dBm |
| Trial #15 | Detected | 5498.6MHz,-64.0dBm |
| Trial #16 | Detected | 5498.2MHz,-64.0dBm |
| Trial #17 | Detected | 5497.4MHz,-64.0dBm |
| Trial #18 | Detected | 5499.8MHz,-64.0dBm |
| Trial #19 | Detected | 5495.4MHz,-64.0dBm |
| Trial #20 | Detected | 5498.2MHz,-64.0dBm |
| Trial #21 | Detected | 5505.8MHz,-64.0dBm |
| Trial #22 | Detected | 5505.8MHz,-64.0dBm |
| Trial #23 | Detected | 5501.8MHz,-64.0dBm |
| Trial #24 | Detected | 5505.0MHz,-64.0dBm |
| Trial #25 | Detected | 5502.6MHz,-64.0dBm |
| Trial #26 | Detected | 5500.6MHz,-64.0dBm |
| Trial #27 | Detected | 5501.8MHz,-64.0dBm |
| Trial #28 | Detected | 5504.6MHz,-64.0dBm |
| Trial #29 | Detected | 5504.6MHz,-64.0dBm |
| Trial #30 | Detected | 5503.0MHz,-64.0dBm |

| Table 56 - FCC Long Pulse Radar (Type 5) Waveform Trial#1 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 79.5 | 12 | 1464.0 | - | 0.343106 |
| 2 | 2 | 94.7 | 12 | 1453.0 | - | 1.044473 |

| Table 56 - FCC Long Pulse Radar (Type 5) Waveform Trial#1 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 3 | 1 | 82.4 | 12 | - | - | 2.792377 |
| 4 | 2 | 60.2 | 12 | 1788.0 | - | 3.715717 |
| 5 | 3 | 58.0 | 12 | 1740.0 | 1840.0 | 4.940402 |
| 6 | 3 | 59.9 | 12 | 1240.0 | 1891.0 | 5.527426 |
| 7 | 1 | 98.7 | 12 | - | - | 6.108715 |
| 8 | 2 | 53.1 | 12 | 1223.0 | - | 7.118148 |
| 9 | 3 | 79.8 | 12 | 1617.0 | 1289.0 | 8.201437 |
| 10 | 2 | 56.1 | 12 | 1696.0 | - | 9.352463 |
| 11 | 1 | 81.7 | 12 | - | - | 10.098885 |
| 12 | 3 | 89.4 | 12 | 1834.0 | 1748.0 | 11.000564 |

| Table 57 - FCC Long Pulse Radar (Type 5) Waveform Trial#2 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 70.3 | 6 | 1453.0 | - | 0.859142 |
| 2 | 1 | 54.2 | 6 | - | - | 2.282205 |
| 3 | 1 | 87.3 | 6 | - | - | 3.300075 |
| 4 | 3 | 65.7 | 6 | 1191.0 | 1249.0 | 4.219770 |
| 5 | 1 | 55.0 | 6 | - | - | 5.770551 |
| 6 | 2 | 59.0 | 6 | 1864.0 | - | 6.186790 |
| 7 | 2 | 94.5 | 6 | 1189.0 | - | 7.396709 |
| 8 | 2 | 69.7 | 6 | 1249.0 | - | 9.573195 |
| 9 | 3 | 95.9 | 6 | 1552.0 | 1976.0 | 10.423361 |
| 10 | 3 | 91.9 | 6 | 1151.0 | 1136.0 | 11.828510 |

| Table 58 - FCC Long Pulse Radar (Type 5) Waveform Trial#3 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 76.7 | 20 | 1698.0 | - | 0.816963 |
| 2 | 2 | 55.3 | 20 | 1611.0 | - | 1.561726 |
| 3 | 1 | 86.5 | 20 | - | - | 3.839319 |
| 4 | 2 | 97.5 | 20 | 1083.0 | - | 5.192261 |
| 5 | 2 | 77.3 | 20 | 1942.0 | - | 5.629525 |
| 6 | 2 | 50.3 | 20 | 1291.0 | - | 7.710810 |
| 7 | 2 | 52.5 | 20 | 1035.0 | - | 8.276373 |
| 8 | 2 | 81.8 | 20 | 1466.0 | - | 9.552201 |
| 9 | 2 | 94.7 | 20 | 1635.0 | - | 11.478156 |

| Table 59 - FCC Long Pulse Radar (Type 5) Waveform Trial#4 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 66.5 | 9 | 1217.0 | 1799.0 | 0.338310 |
| 2 | 2 | 99.3 | 9 | 1873.0 | - | 1.304479 |
| 3 | 3 | 53.3 | 9 | 1109.0 | 1798.0 | 2.388860 |
| 4 | 2 | 72.3 | 9 | 1884.0 | - | 3.428863 |
| 5 | 2 | 52.7 | 9 | 1124.0 | - | 4.605885 |
| 6 | 1 | 56.9 | 9 | - | - | 5.358430 |
| 7 | 2 | 85.8 | 9 | 1856.0 | - | 6.043776 |
| 8 | 2 | 98.9 | 9 | 1183.0 | - | 6.800058 |

| **Table 59 - FCC Long Pulse Radar (Type 5) Waveform Trial#4 (Detected) 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 9 | 2 | 56.4 | 9 | 1767.0 | - | 8.000692 |
| 10 | 3 | 86.4 | 9 | 1275.0 | 1891.0 | 9.107722 |
| 11 | 3 | 52.4 | 9 | 1142.0 | 1624.0 | 10.149460 |
| 12 | 3 | 80.4 | 9 | 1850.0 | 1786.0 | 11.013028 |
| 13 | 3 | 90.5 | 9 | 1656.0 | 1078.0 | 11.310356 |

| **Table 60 - FCC Long Pulse Radar (Type 5) Waveform Trial#5 (Detected) 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 68.0 | 6 | 1233.0 | - | 0.584009 |
| 2 | 2 | 66.1 | 6 | 1888.0 | - | 0.863678 |
| 3 | 1 | 97.9 | 6 | - | - | 1.975491 |
| 4 | 1 | 51.6 | 6 | - | - | 2.341307 |
| 5 | 2 | 77.7 | 6 | 1893.0 | - | 2.730085 |
| 6 | 1 | 97.1 | 6 | - | - | 3.926534 |
| 7 | 2 | 63.5 | 6 | 1317.0 | - | 4.401933 |
| 8 | 2 | 80.7 | 6 | 1508.0 | - | 5.043375 |
| 9 | 3 | 66.4 | 6 | 1161.0 | 1156.0 | 5.832345 |
| 10 | 2 | 58.2 | 6 | 1081.0 | - | 6.082931 |
| 11 | 2 | 99.3 | 6 | 1498.0 | - | 6.697779 |
| 12 | 3 | 82.0 | 6 | 1537.0 | 1362.0 | 7.572539 |
| 13 | 2 | 59.3 | 6 | 1985.0 | - | 8.505835 |
| 14 | 3 | 82.2 | 6 | 1694.0 | 1462.0 | 8.803441 |
| 15 | 1 | 77.3 | 6 | - | - | 9.487360 |
| 16 | 2 | 92.5 | 6 | 1576.0 | - | 10.249729 |
| 17 | 3 | 78.5 | 6 | 1142.0 | 1249.0 | 10.983797 |
| 18 | 3 | 60.9 | 6 | 1558.0 | 1856.0 | 11.693390 |

| **Table 61 - FCC Long Pulse Radar (Type 5) Waveform Trial#6 (Detected) 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 71.7 | 10 | - | - | 0.823457 |
| 2 | 2 | 61.4 | 10 | 1168.0 | - | 1.590763 |
| 3 | 2 | 67.9 | 10 | 1744.0 | - | 2.099000 |
| 4 | 2 | 81.4 | 10 | 1187.0 | - | 3.257526 |
| 5 | 3 | 73.6 | 10 | 1793.0 | 1549.0 | 4.191930 |
| 6 | 3 | 93.2 | 10 | 1037.0 | 1895.0 | 4.994563 |
| 7 | 3 | 65.4 | 10 | 1572.0 | 1223.0 | 5.432263 |
| 8 | 2 | 95.4 | 10 | 1885.0 | - | 6.653458 |
| 9 | 2 | 70.9 | 10 | 1227.0 | - | 7.075057 |
| 10 | 1 | 69.3 | 10 | - | - | 8.303227 |
| 11 | 3 | 60.9 | 10 | 1602.0 | 1813.0 | 8.676051 |
| 12 | 3 | 75.4 | 10 | 1943.0 | 1289.0 | 9.601315 |
| 13 | 2 | 57.1 | 10 | 1248.0 | - | 10.382430 |
| 14 | 3 | 92.0 | 10 | 1846.0 | 1768.0 | 11.208185 |

| **Table 62 - FCC Long Pulse Radar (Type 5) Waveform Trial#7 (Detected) 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |

| Table 62 - FCC Long Pulse Radar (Type 5) Waveform Trial#7 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 54.6 | 11 | - | - | 0.062008 |
| 2 | 2 | 78.8 | 11 | 1490.0 | - | 1.202742 |
| 3 | 3 | 51.4 | 11 | 1307.0 | 1621.0 | 1.484658 |
| 4 | 2 | 59.1 | 11 | 1843.0 | - | 2.083299 |
| 5 | 2 | 87.5 | 11 | 1314.0 | - | 3.001688 |
| 6 | 2 | 87.9 | 11 | 1802.0 | - | 3.708011 |
| 7 | 3 | 74.8 | 11 | 1756.0 | 1681.0 | 4.361467 |
| 8 | 2 | 83.2 | 11 | 1754.0 | - | 4.807280 |
| 9 | 3 | 72.5 | 11 | 1940.0 | 1484.0 | 5.624959 |
| 10 | 2 | 85.1 | 11 | 1238.0 | - | 6.238753 |
| 11 | 3 | 89.0 | 11 | 1386.0 | 1844.0 | 6.427220 |
| 12 | 2 | 77.1 | 11 | 1353.0 | - | 7.383952 |
| 13 | 2 | 79.3 | 11 | 1728.0 | - | 7.596820 |
| 14 | 3 | 98.2 | 11 | 1426.0 | 1477.0 | 8.728907 |
| 15 | 1 | 94.8 | 11 | - | - | 9.006875 |
| 16 | 2 | 56.7 | 11 | 1435.0 | - | 9.658204 |
| 17 | 2 | 69.1 | 11 | 1703.0 | - | 10.433670 |
| 18 | 2 | 71.4 | 11 | 1574.0 | - | 10.840022 |
| 19 | 3 | 77.0 | 11 | 1709.0 | 1597.0 | 11.774543 |

| Table 63 - FCC Long Pulse Radar (Type 5) Waveform Trial#8 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 67.0 | 17 | 1208.0 | - | 0.819143 |
| 2 | 1 | 52.4 | 17 | - | - | 1.820416 |
| 3 | 3 | 55.2 | 17 | 1745.0 | 1664.0 | 3.175091 |
| 4 | 3 | 96.1 | 17 | 1637.0 | 1317.0 | 3.509270 |
| 5 | 3 | 78.8 | 17 | 1645.0 | 1717.0 | 4.580440 |
| 6 | 2 | 82.8 | 17 | 1111.0 | - | 6.302092 |
| 7 | 3 | 69.1 | 17 | 1489.0 | 1312.0 | 7.082620 |
| 8 | 1 | 99.3 | 17 | - | - | 7.691578 |
| 9 | 1 | 86.9 | 17 | - | - | 9.546138 |
| 10 | 2 | 99.5 | 17 | 1935.0 | - | 10.105240 |
| 11 | 1 | 81.2 | 17 | - | - | 11.883555 |

| Table 64 - FCC Long Pulse Radar (Type 5) Waveform Trial#9 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 50.2 | 15 | 1438.0 | - | 0.317724 |
| 2 | 2 | 82.8 | 15 | 1209.0 | - | 0.710013 |
| 3 | 2 | 83.8 | 15 | 1048.0 | - | 1.526022 |
| 4 | 1 | 97.3 | 15 | - | - | 1.957199 |
| 5 | 3 | 67.8 | 15 | 1386.0 | 1969.0 | 2.642048 |
| 6 | 2 | 80.2 | 15 | 1018.0 | - | 3.489097 |
| 7 | 2 | 62.7 | 15 | 1667.0 | - | 4.133727 |
| 8 | 2 | 80.4 | 15 | 1315.0 | - | 4.676683 |
| 9 | 1 | 93.9 | 15 | - | - | 5.641672 |
| 10 | 2 | 70.5 | 15 | 1004.0 | - | 5.778548 |
| 11 | 3 | 58.6 | 15 | 1858.0 | 1567.0 | 6.667456 |
| 12 | 3 | 94.6 | 15 | 1015.0 | 1531.0 | 7.314397 |

| Table 64 - FCC Long Pulse Radar (Type 5) Waveform Trial#9 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 13 | 2 | 72.0 | 15 | 1522.0 | - | 8.037225 |
| 14 | 3 | 81.9 | 15 | 1695.0 | 1316.0 | 8.627255 |
| 15 | 2 | 52.1 | 15 | 1458.0 | - | 8.906894 |
| 16 | 3 | 66.3 | 15 | 1161.0 | 1902.0 | 9.896367 |
| 17 | 1 | 50.5 | 15 | - | - | 10.694162 |
| 18 | 2 | 60.3 | 15 | 1991.0 | - | 11.344939 |
| 19 | 3 | 91.7 | 15 | 1435.0 | 1416.0 | 11.934460 |

| Table 65 - FCC Long Pulse Radar (Type 5) Waveform Trial#10 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 57.5 | 9 | 1337.0 | - | 0.059153 |
| 2 | 3 | 96.6 | 9 | 1197.0 | 1164.0 | 1.215258 |
| 3 | 1 | 74.9 | 9 | - | - | 1.923753 |
| 4 | 3 | 63.8 | 9 | 1211.0 | 1106.0 | 2.533460 |
| 5 | 2 | 79.5 | 9 | 1667.0 | - | 3.025052 |
| 6 | 1 | 94.9 | 9 | - | - | 4.193570 |
| 7 | 3 | 76.2 | 9 | 1953.0 | 1070.0 | 4.758031 |
| 8 | 2 | 55.7 | 9 | 1356.0 | - | 5.083104 |
| 9 | 2 | 98.7 | 9 | 1663.0 | - | 5.707816 |
| 10 | 3 | 97.3 | 9 | 1123.0 | 1825.0 | 6.820480 |
| 11 | 2 | 68.8 | 9 | 1676.0 | - | 7.680266 |
| 12 | 3 | 69.8 | 9 | 1965.0 | 1858.0 | 8.031082 |
| 13 | 3 | 56.5 | 9 | 1790.0 | 1158.0 | 9.017949 |
| 14 | 1 | 88.0 | 9 | - | - | 9.686209 |
| 15 | 3 | 62.9 | 9 | 1133.0 | 1698.0 | 10.552564 |
| 16 | 1 | 61.5 | 9 | - | - | 11.034218 |
| 17 | 2 | 96.0 | 9 | 1368.0 | - | 11.364803 |

| Table 66 - FCC Long Pulse Radar (Type 5) Waveform Trial#11 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 51.6 | 8 | 1416.0 | 1593.0 | 0.582228 |
| 2 | 1 | 58.2 | 8 | - | - | 1.228064 |
| 3 | 1 | 65.6 | 8 | - | - | 2.317965 |
| 4 | 1 | 59.5 | 8 | - | - | 3.219407 |
| 5 | 3 | 97.3 | 8 | 1974.0 | 1030.0 | 3.711184 |
| 6 | 3 | 96.6 | 8 | 1434.0 | 1468.0 | 4.965123 |
| 7 | 2 | 92.6 | 8 | 1521.0 | - | 5.792750 |
| 8 | 1 | 74.7 | 8 | - | - | 6.764847 |
| 9 | 3 | 85.0 | 8 | 1385.0 | 1873.0 | 7.768767 |
| 10 | 1 | 57.8 | 8 | - | - | 9.023446 |
| 11 | 2 | 54.5 | 8 | 1738.0 | - | 9.265618 |
| 12 | 2 | 93.5 | 8 | 1090.0 | - | 10.904101 |
| 13 | 1 | 83.7 | 8 | - | - | 11.836089 |

| Table 67 - FCC Long Pulse Radar (Type 5) Waveform Trial#12 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |

| Table 67 - FCC Long Pulse Radar (Type 5) Waveform Trial#12 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 51.9 | 8 | 1113.0 | - | 0.251441 |
| 2 | 2 | 73.9 | 8 | 1697.0 | - | 0.725661 |
| 3 | 2 | 84.2 | 8 | 1592.0 | - | 1.380262 |
| 4 | 1 | 78.3 | 8 | - | - | 2.190483 |
| 5 | 2 | 85.0 | 8 | 1851.0 | - | 2.788549 |
| 6 | 1 | 97.5 | 8 | - | - | 3.302329 |
| 7 | 3 | 61.7 | 8 | 1916.0 | 1778.0 | 4.299529 |
| 8 | 3 | 80.9 | 8 | 1976.0 | 1986.0 | 4.690007 |
| 9 | 1 | 90.3 | 8 | - | - | 5.318638 |
| 10 | 2 | 73.8 | 8 | 1061.0 | - | 6.283250 |
| 11 | 2 | 92.0 | 8 | 1724.0 | - | 6.391361 |
| 12 | 3 | 66.3 | 8 | 1779.0 | 1461.0 | 7.543581 |
| 13 | 3 | 61.1 | 8 | 1048.0 | 1996.0 | 7.797360 |
| 14 | 3 | 77.5 | 8 | 1235.0 | 1227.0 | 8.744551 |
| 15 | 1 | 89.7 | 8 | - | - | 9.073325 |
| 16 | 3 | 77.5 | 8 | 1602.0 | 1880.0 | 9.521805 |
| 17 | 2 | 83.3 | 8 | 1527.0 | - | 10.683024 |
| 18 | 1 | 63.9 | 8 | - | - | 10.816725 |
| 19 | 2 | 52.1 | 8 | 1388.0 | - | 11.391822 |

| Table 68 - FCC Long Pulse Radar (Type 5) Waveform Trial#13 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 74.4 | 16 | 1699.0 | 1279.0 | 0.000157 |
| 2 | 2 | 66.9 | 16 | 1264.0 | - | 1.682493 |
| 3 | 2 | 51.9 | 16 | 1511.0 | - | 2.670771 |
| 4 | 3 | 99.3 | 16 | 1311.0 | 1412.0 | 3.566896 |
| 5 | 2 | 93.2 | 16 | 1774.0 | - | 4.074199 |
| 6 | 1 | 56.2 | 16 | - | - | 5.347832 |
| 7 | 2 | 76.9 | 16 | 1935.0 | - | 6.063319 |
| 8 | 3 | 61.0 | 16 | 1261.0 | 1440.0 | 7.135723 |
| 9 | 2 | 81.7 | 16 | 1518.0 | - | 7.915297 |
| 10 | 1 | 63.1 | 16 | - | - | 8.750953 |
| 11 | 2 | 53.6 | 16 | 1313.0 | - | 9.650994 |
| 12 | 1 | 90.7 | 16 | - | - | 11.039523 |
| 13 | 3 | 84.3 | 16 | 1174.0 | 1821.0 | 11.597436 |

| Table 69 - FCC Long Pulse Radar (Type 5) Waveform Trial#14 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 94.2 | 20 | 1593.0 | 1369.0 | 0.299344 |
| 2 | 2 | 56.8 | 20 | 1662.0 | - | 1.004094 |
| 3 | 2 | 74.1 | 20 | 1941.0 | - | 1.763978 |
| 4 | 1 | 50.8 | 20 | - | - | 2.763535 |
| 5 | 2 | 74.0 | 20 | 1264.0 | - | 4.044424 |
| 6 | 3 | 57.3 | 20 | 1319.0 | 1140.0 | 4.789538 |
| 7 | 2 | 64.8 | 20 | 1604.0 | - | 5.258345 |
| 8 | 3 | 68.9 | 20 | 1451.0 | 1734.0 | 6.018790 |
| 9 | 2 | 56.4 | 20 | 1776.0 | - | 7.041202 |
| 10 | 2 | 58.6 | 20 | 1981.0 | - | 7.890598 |

| Table 69 - FCC Long Pulse Radar (Type 5) Waveform Trial#14 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 11 | 2 | 59.4 | 20 | 1294.0 | - | 8.783933 |
| 12 | 3 | 72.2 | 20 | 1583.0 | 1096.0 | 9.443481 |
| 13 | 2 | 78.3 | 20 | 1130.0 | - | 10.345805 |
| 14 | 3 | 76.0 | 20 | 1552.0 | 1285.0 | 11.501121 |

| Table 70 - FCC Long Pulse Radar (Type 5) Waveform Trial#15 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 79.8 | 17 | 1671.0 | - | 0.337711 |
| 2 | 3 | 79.1 | 17 | 1866.0 | 1884.0 | 1.085090 |
| 3 | 2 | 65.2 | 17 | 1599.0 | - | 1.413959 |
| 4 | 1 | 67.5 | 17 | - | - | 2.487396 |
| 5 | 3 | 76.4 | 17 | 1012.0 | 1063.0 | 2.832907 |
| 6 | 1 | 80.5 | 17 | - | - | 3.563902 |
| 7 | 2 | 92.0 | 17 | 1213.0 | - | 4.041753 |
| 8 | 1 | 89.7 | 17 | - | - | 4.999338 |
| 9 | 2 | 84.7 | 17 | 1730.0 | - | 5.097841 |
| 10 | 2 | 62.0 | 17 | 1543.0 | - | 5.699766 |
| 11 | 1 | 95.1 | 17 | - | - | 6.820315 |
| 12 | 1 | 95.1 | 17 | - | - | 7.096230 |
| 13 | 2 | 72.6 | 17 | 1503.0 | - | 8.043988 |
| 14 | 1 | 82.6 | 17 | - | - | 8.550625 |
| 15 | 1 | 65.7 | 17 | - | - | 9.007659 |
| 16 | 2 | 71.1 | 17 | 1301.0 | - | 9.888800 |
| 17 | 3 | 50.3 | 17 | 1766.0 | 1236.0 | 10.688705 |
| 18 | 2 | 76.7 | 17 | 1340.0 | - | 11.233092 |
| 19 | 3 | 57.9 | 17 | 1285.0 | 1513.0 | 11.647146 |

| Table 71 - FCC Long Pulse Radar (Type 5) Waveform Trial#16 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 67.7 | 16 | 1824.0 | 1249.0 | 0.150818 |
| 2 | 2 | 99.9 | 16 | 1516.0 | - | 1.028564 |
| 3 | 2 | 98.6 | 16 | 1287.0 | - | 2.606996 |
| 4 | 2 | 52.1 | 16 | 1703.0 | - | 2.986562 |
| 5 | 2 | 71.0 | 16 | 1987.0 | - | 4.334688 |
| 6 | 2 | 77.0 | 16 | 1184.0 | - | 4.845699 |
| 7 | 2 | 77.4 | 16 | 1105.0 | - | 6.247798 |
| 8 | 2 | 78.1 | 16 | 1297.0 | - | 7.059770 |
| 9 | 1 | 77.3 | 16 | - | - | 7.406403 |
| 10 | 2 | 83.4 | 16 | 1215.0 | - | 8.765168 |
| 11 | 1 | 78.3 | 16 | - | - | 9.394798 |
| 12 | 2 | 86.5 | 16 | 1775.0 | - | 10.828912 |
| 13 | 3 | 74.1 | 16 | 1553.0 | 1526.0 | 11.117085 |

| Table 72 - FCC Long Pulse Radar (Type 5) Waveform Trial#17 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 83.2 | 14 | 1335.0 | - | 0.112271 |

| Table 72 - FCC Long Pulse Radar (Type 5) Waveform Trial#17 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 2 | 3 | 81.2 | 14 | 1350.0 | 1354.0 | 2.207775 |
| 3 | 2 | 73.8 | 14 | 1968.0 | - | 3.422518 |
| 4 | 3 | 93.8 | 14 | 1237.0 | 1450.0 | 3.621730 |
| 5 | 2 | 66.6 | 14 | 1996.0 | - | 5.122098 |
| 6 | 3 | 80.3 | 14 | 1800.0 | 1350.0 | 6.045616 |
| 7 | 2 | 89.8 | 14 | 1122.0 | - | 7.643547 |
| 8 | 3 | 54.6 | 14 | 1866.0 | 1165.0 | 8.442765 |
| 9 | 3 | 87.9 | 14 | 1076.0 | 1021.0 | 9.641458 |
| 10 | 3 | 70.0 | 14 | 1829.0 | 1144.0 | 10.818157 |

| Table 73 - FCC Long Pulse Radar (Type 5) Waveform Trial#18 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 93.6 | 20 | - | - | 0.118914 |
| 2 | 1 | 91.6 | 20 | - | - | 1.144839 |
| 3 | 3 | 50.5 | 20 | 2000.0 | 1999.0 | 1.800409 |
| 4 | 2 | 72.4 | 20 | 1274.0 | - | 2.851986 |
| 5 | 1 | 93.8 | 20 | - | - | 3.489985 |
| 6 | 3 | 98.2 | 20 | 1736.0 | 1511.0 | 4.956200 |
| 7 | 2 | 61.0 | 20 | 1698.0 | - | 5.765900 |
| 8 | 2 | 76.8 | 20 | 1350.0 | - | 6.714606 |
| 9 | 3 | 63.5 | 20 | 1804.0 | 1280.0 | 7.057242 |
| 10 | 1 | 81.7 | 20 | - | - | 8.270929 |
| 11 | 2 | 70.2 | 20 | 1396.0 | - | 9.117766 |
| 12 | 3 | 59.5 | 20 | 1319.0 | 1406.0 | 9.816435 |
| 13 | 1 | 67.6 | 20 | - | - | 10.617592 |
| 14 | 2 | 72.9 | 20 | 1577.0 | - | 11.311696 |

| Table 74 - FCC Long Pulse Radar (Type 5) Waveform Trial#19 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 71.8 | 9 | 1170.0 | - | 0.190415 |
| 2 | 3 | 69.8 | 9 | 1409.0 | 1786.0 | 1.351336 |
| 3 | 2 | 60.9 | 9 | 1294.0 | - | 1.566337 |
| 4 | 2 | 77.9 | 9 | 1374.0 | - | 2.622093 |
| 5 | 2 | 69.3 | 9 | 1872.0 | - | 3.381401 |
| 6 | 2 | 79.3 | 9 | 1214.0 | - | 4.067163 |
| 7 | 3 | 83.0 | 9 | 1565.0 | 1028.0 | 4.302558 |
| 8 | 3 | 84.0 | 9 | 1721.0 | 1507.0 | 5.376889 |
| 9 | 2 | 53.9 | 9 | 1848.0 | - | 5.885594 |
| 10 | 3 | 92.6 | 9 | 1490.0 | 1591.0 | 6.798444 |
| 11 | 2 | 80.0 | 9 | 1811.0 | - | 7.242466 |
| 12 | 2 | 85.6 | 9 | 1206.0 | - | 8.221644 |
| 13 | 2 | 93.0 | 9 | 1840.0 | - | 8.547738 |
| 14 | 3 | 66.5 | 9 | 1387.0 | 1115.0 | 9.471420 |
| 15 | 3 | 97.2 | 9 | 1243.0 | 1025.0 | 10.424134 |
| 16 | 1 | 78.0 | 9 | - | - | 10.723210 |
| 17 | 3 | 84.9 | 9 | 1557.0 | 1429.0 | 11.412620 |

| Table 75 - FCC Long Pulse Radar (Type 5) Waveform Trial#20 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 81.1 | 16 | 1963.0 | - | 0.074900 |
| 2 | 2 | 55.3 | 16 | 1173.0 | - | 1.065979 |
| 3 | 2 | 87.4 | 16 | 1105.0 | - | 1.776826 |
| 4 | 1 | 85.4 | 16 | - | - | 2.515714 |
| 5 | 1 | 54.8 | 16 | - | - | 3.449783 |
| 6 | 3 | 92.5 | 16 | 1598.0 | 1052.0 | 4.072475 |
| 7 | 2 | 79.6 | 16 | 1011.0 | - | 4.383571 |
| 8 | 1 | 86.1 | 16 | - | - | 5.094607 |
| 9 | 2 | 91.1 | 16 | 1273.0 | - | 5.781340 |
| 10 | 1 | 60.3 | 16 | - | - | 6.539263 |
| 11 | 1 | 62.0 | 16 | - | - | 7.689025 |
| 12 | 2 | 80.6 | 16 | 1723.0 | - | 7.966691 |
| 13 | 2 | 88.2 | 16 | 1404.0 | - | 8.907324 |
| 14 | 3 | 88.3 | 16 | 1985.0 | 1615.0 | 9.773259 |
| 15 | 2 | 93.1 | 16 | 1322.0 | - | 10.162198 |
| 16 | 2 | 76.9 | 16 | 1700.0 | - | 11.250691 |
| 17 | 1 | 66.8 | 16 | - | - | 11.405344 |

| Table 76 - FCC Long Pulse Radar (Type 5) Waveform Trial#21 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 74.1 | 6 | 1187.0 | - | 0.562092 |
| 2 | 2 | 68.2 | 6 | 1676.0 | - | 1.332669 |
| 3 | 2 | 63.5 | 6 | 1991.0 | - | 2.007015 |
| 4 | 3 | 73.7 | 6 | 1806.0 | 1955.0 | 2.436482 |
| 5 | 1 | 75.8 | 6 | - | - | 3.258699 |
| 6 | 1 | 56.5 | 6 | - | - | 4.148174 |
| 7 | 1 | 83.3 | 6 | - | - | 4.447312 |
| 8 | 1 | 69.2 | 6 | - | - | 5.017602 |
| 9 | 2 | 51.5 | 6 | 1434.0 | - | 5.697406 |
| 10 | 2 | 86.6 | 6 | 1204.0 | - | 6.577332 |
| 11 | 2 | 82.7 | 6 | 1143.0 | - | 7.232663 |
| 12 | 3 | 88.1 | 6 | 1333.0 | 1315.0 | 8.253775 |
| 13 | 2 | 93.5 | 6 | 1951.0 | - | 8.690216 |
| 14 | 3 | 51.6 | 6 | 1422.0 | 1132.0 | 9.775286 |
| 15 | 2 | 96.5 | 6 | 1619.0 | - | 10.428733 |
| 16 | 3 | 55.8 | 6 | 1944.0 | 1366.0 | 10.921306 |
| 17 | 1 | 74.5 | 6 | - | - | 11.778149 |

| Table 77 - FCC Long Pulse Radar (Type 5) Waveform Trial#22 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 75.4 | 6 | 1309.0 | 1135.0 | 0.728662 |
| 2 | 2 | 55.3 | 6 | 1842.0 | - | 1.657832 |
| 3 | 3 | 55.3 | 6 | 1806.0 | 1830.0 | 2.606462 |
| 4 | 2 | 91.2 | 6 | 1880.0 | - | 4.125560 |
| 5 | 3 | 72.8 | 6 | 1823.0 | 1969.0 | 5.693720 |
| 6 | 1 | 73.4 | 6 | - | - | 6.746965 |
| 7 | 3 | 93.2 | 6 | 1332.0 | 1755.0 | 7.907533 |
| 8 | 1 | 60.4 | 6 | - | - | 9.079510 |

| Table 77 - FCC Long Pulse Radar (Type 5) Waveform Trial#22 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 9 | 2 | 72.0 | 6 | 1086.0 | - | 10.424658 |
| 10 | 3 | 94.9 | 6 | 1559.0 | 1184.0 | 11.038785 |

| Table 78 - FCC Long Pulse Radar (Type 5) Waveform Trial#23 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 83.6 | 16 | 1412.0 | - | 0.255325 |
| 2 | 1 | 75.8 | 16 | - | - | 1.873657 |
| 3 | 2 | 60.9 | 16 | 1182.0 | - | 2.737463 |
| 4 | 3 | 76.1 | 16 | 1372.0 | 1177.0 | 4.352579 |
| 5 | 2 | 94.2 | 16 | 1817.0 | - | 5.951548 |
| 6 | 2 | 70.1 | 16 | 1824.0 | - | 7.027846 |
| 7 | 1 | 51.1 | 16 | - | - | 7.757401 |
| 8 | 2 | 75.9 | 16 | 1257.0 | - | 8.572841 |
| 9 | 1 | 52.6 | 16 | - | - | 10.019929 |
| 10 | 2 | 55.2 | 16 | 1794.0 | - | 11.134621 |

| Table 79 - FCC Long Pulse Radar (Type 5) Waveform Trial#24 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 60.8 | 8 | - | - | 0.303569 |
| 2 | 2 | 86.3 | 8 | 1041.0 | - | 1.139456 |
| 3 | 3 | 79.3 | 8 | 1714.0 | 1999.0 | 2.732363 |
| 4 | 2 | 90.0 | 8 | 1829.0 | - | 3.357466 |
| 5 | 3 | 66.6 | 8 | 1143.0 | 1411.0 | 4.276349 |
| 6 | 3 | 82.5 | 8 | 1481.0 | 1182.0 | 5.672781 |
| 7 | 2 | 72.1 | 8 | 1683.0 | - | 6.718313 |
| 8 | 2 | 88.1 | 8 | 1294.0 | - | 7.448056 |
| 9 | 2 | 75.0 | 8 | 1379.0 | - | 8.981423 |
| 10 | 3 | 78.2 | 8 | 1613.0 | 1453.0 | 9.548638 |
| 11 | 2 | 99.0 | 8 | 1132.0 | - | 10.460976 |
| 12 | 2 | 81.0 | 8 | 1814.0 | - | 11.918355 |

| Table 80 - FCC Long Pulse Radar (Type 5) Waveform Trial#25 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 71.0 | 14 | 1497.0 | - | 0.362178 |
| 2 | 3 | 91.5 | 14 | 1178.0 | 1802.0 | 0.926349 |
| 3 | 3 | 95.1 | 14 | 1433.0 | 1010.0 | 2.102432 |
| 4 | 2 | 95.8 | 14 | 1056.0 | - | 2.758076 |
| 5 | 2 | 58.0 | 14 | 1608.0 | - | 2.895820 |
| 6 | 1 | 90.0 | 14 | - | - | 4.204331 |
| 7 | 2 | 55.7 | 14 | 1314.0 | - | 4.478401 |
| 8 | 3 | 59.2 | 14 | 1632.0 | 1148.0 | 5.628183 |
| 9 | 1 | 71.2 | 14 | - | - | 5.935794 |
| 10 | 3 | 56.3 | 14 | 1874.0 | 1910.0 | 6.466009 |
| 11 | 3 | 55.3 | 14 | 1636.0 | 1649.0 | 7.339244 |
| 12 | 2 | 79.7 | 14 | 1544.0 | - | 7.824057 |
| 13 | 2 | 56.1 | 14 | 1516.0 | - | 8.736376 |

| **Table 80 - FCC Long Pulse Radar (Type 5) Waveform Trial#25 (Detected) 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 14 | 1 | 73.5 | 14 | - | - | 9.489797 |
| 15 | 3 | 93.3 | 14 | 1019.0 | 1012.0 | 9.979953 |
| 16 | 2 | 80.0 | 14 | 1219.0 | - | 11.284227 |
| 17 | 2 | 87.0 | 14 | 1801.0 | - | 11.730349 |

| **Table 81 - FCC Long Pulse Radar (Type 5) Waveform Trial#26 (Detected) 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 87.5 | 19 | 1270.0 | 1519.0 | 0.890032 |
| 2 | 2 | 75.9 | 19 | 1590.0 | - | 1.433598 |
| 3 | 3 | 60.6 | 19 | 1405.0 | 1417.0 | 2.469570 |
| 4 | 1 | 60.1 | 19 | - | - | 3.847729 |
| 5 | 3 | 56.1 | 19 | 1552.0 | 1286.0 | 5.129914 |
| 6 | 2 | 85.0 | 19 | 1540.0 | - | 6.451001 |
| 7 | 1 | 78.9 | 19 | - | - | 7.200265 |
| 8 | 2 | 61.0 | 19 | 1566.0 | - | 9.548945 |
| 9 | 2 | 72.2 | 19 | 1563.0 | - | 10.126329 |
| 10 | 2 | 95.8 | 19 | 1014.0 | - | 11.066459 |

| **Table 82 - FCC Long Pulse Radar (Type 5) Waveform Trial#27 (Detected) 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 50.8 | 16 | 1138.0 | - | 0.042451 |
| 2 | 3 | 74.6 | 16 | 1710.0 | 1950.0 | 0.972464 |
| 3 | 3 | 95.0 | 16 | 1190.0 | 1870.0 | 2.197024 |
| 4 | 2 | 89.6 | 16 | 1476.0 | - | 3.387981 |
| 5 | 1 | 95.2 | 16 | - | - | 3.925082 |
| 6 | 3 | 96.0 | 16 | 1369.0 | 1383.0 | 4.598601 |
| 7 | 3 | 70.4 | 16 | 1705.0 | 1336.0 | 5.924643 |
| 8 | 2 | 60.8 | 16 | 1777.0 | - | 6.218753 |
| 9 | 2 | 95.8 | 16 | 1430.0 | - | 7.389666 |
| 10 | 1 | 50.6 | 16 | - | - | 8.360496 |
| 11 | 2 | 50.4 | 16 | 1734.0 | - | 9.373517 |
| 12 | 1 | 91.8 | 16 | - | - | 9.853495 |
| 13 | 3 | 72.0 | 16 | 1573.0 | 1309.0 | 11.012709 |
| 14 | 2 | 59.9 | 16 | 1427.0 | - | 11.565640 |

| **Table 83 - FCC Long Pulse Radar (Type 5) Waveform Trial#28 (Detected) 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 72.1 | 9 | 1436.0 | 1858.0 | 0.193187 |
| 2 | 2 | 69.3 | 9 | 1660.0 | - | 1.117819 |
| 3 | 3 | 87.2 | 9 | 1103.0 | 1998.0 | 1.958852 |
| 4 | 1 | 65.7 | 9 | - | - | 2.719561 |
| 5 | 3 | 54.8 | 9 | 1033.0 | 1003.0 | 2.967005 |
| 6 | 3 | 74.2 | 9 | 1379.0 | 1752.0 | 3.724091 |
| 7 | 3 | 51.5 | 9 | 1389.0 | 1149.0 | 4.822243 |
| 8 | 3 | 64.9 | 9 | 1934.0 | 1716.0 | 5.460050 |
| 9 | 3 | 64.0 | 9 | 1964.0 | 1853.0 | 6.276258 |

| Table 83 - FCC Long Pulse Radar (Type 5) Waveform Trial#28 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 10 | 2 | 84.6 | 9 | 1928.0 | - | 6.390762 |
| 11 | 2 | 90.8 | 9 | 1119.0 | - | 7.276549 |
| 12 | 2 | 51.3 | 9 | 1969.0 | - | 7.792615 |
| 13 | 2 | 93.0 | 9 | 1862.0 | - | 8.875005 |
| 14 | 2 | 66.3 | 9 | 1083.0 | - | 9.320310 |
| 15 | 2 | 60.9 | 9 | 1273.0 | - | 10.234937 |
| 16 | 3 | 54.3 | 9 | 1651.0 | 1845.0 | 11.073176 |
| 17 | 2 | 64.8 | 9 | 1812.0 | - | 11.926809 |

| Table 84 - FCC Long Pulse Radar (Type 5) Waveform Trial#29 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 73.8 | 9 | 1878.0 | - | 0.778482 |
| 2 | 2 | 99.5 | 9 | 1375.0 | - | 2.626654 |
| 3 | 1 | 81.5 | 9 | - | - | 3.730904 |
| 4 | 1 | 98.4 | 9 | - | - | 4.640426 |
| 5 | 3 | 59.1 | 9 | 1304.0 | 1958.0 | 6.474525 |
| 6 | 1 | 52.6 | 9 | - | - | 8.029209 |
| 7 | 1 | 85.7 | 9 | - | - | 9.911075 |
| 8 | 2 | 54.4 | 9 | 1148.0 | - | 10.674947 |

| Table 85 - FCC Long Pulse Radar (Type 5) Waveform Trial#30 (Detected) 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 65.6 | 13 | - | - | 0.097840 |
| 2 | 3 | 72.7 | 13 | 1875.0 | 1600.0 | 1.733699 |
| 3 | 2 | 81.4 | 13 | 1356.0 | - | 3.135114 |
| 4 | 3 | 79.1 | 13 | 1137.0 | 1419.0 | 4.324692 |
| 5 | 2 | 91.0 | 13 | 1299.0 | - | 5.295190 |
| 6 | 2 | 66.3 | 13 | 1596.0 | - | 6.341521 |
| 7 | 2 | 62.6 | 13 | 1494.0 | - | 6.889953 |
| 8 | 3 | 85.8 | 13 | 1271.0 | 1819.0 | 8.378727 |
| 9 | 3 | 78.8 | 13 | 1387.0 | 1095.0 | 9.549985 |
| 10 | 3 | 90.4 | 13 | 1970.0 | 1625.0 | 9.907610 |
| 11 | 3 | 94.6 | 13 | 1042.0 | 1608.0 | 11.771622 |

| Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 9 | 1.0 | 333.0 | Yes | 5491.8MHz, -64.0dBm | Hop sequence: 5699, 5492, 5656, 5408, 5550, 5481, 5405, 5334, 5509, 5496, 5644, 5311, 5355, 5606, 5494, 5420, 5513, 5717, 5254, 5528, 5342, 5312, 5465, 5620, 5270, 5719, 5463, 5563, 5339, 5510, 5680, 5438, 5401, 5471, 5357, 5499, 5443, 5583, 5366, 5677, 5449, 5379, 5491, 5409, 5456, 5305, 5500, 5672, 5586, 5574, 5399, 5323, 5487, 5372, 5363, 5628, 5714, 5328, 5540, 5681, 5526, 5688, 5538, 5433, 5486, 5569, 5288, 5442, 5267, 5653, 5530, 5333, 5568, 5453, 5446, 5517, 5370, 5441, 5472, 5369, 5406, 5403, 5429, 5376, 5497, 5685, 5467, 5585, 5359, 5450, 5485, 5381, 5374, 5718, 5295, 5454, 5609, 5263, 5412, 5645 (6 hits) |
| 2 | 9 | 1.0 | 333.0 | Yes | 5492.8MHz, -64.0dBm | Hop sequence: 5555, 5587, 5313, 5300, 5628, 5263, 5358, 5533, 5589, 5541, 5294, 5515, 5315, 5494, 5669, 5621, 5619, 5665, 5585, 5507, 5673, 5303, 5607, 5448, 5350, 5604, 5414, 5647, 5413, 5687, 5631, 5339, 5580, 5360, 5649, 5534, 5605, 5362, 5462, 5722, 5332, 5424, 5726, 5480, 5314, 5402, 5466, 5681, 5371, 5575, 5639, 5331, 5671, 5633, 5527, 5440, 5644, 5329, 5336, 5697, 5442, 5415, 5675, 5410, 5538, 5363, 5285, 5518, 5366, 5611, 5543, 5467, 5650, 5721, 5711, 5357, 5421, 5503, 5318, 5338, 5568, 5567, 5715, 5657, 5695, 5296, 5558, 5452, 5438, 5609, 5278, 5272, 5703, 5427, 5445, 5271, 5333, 5667, 5551, 5570 (3 hits) |
| 3 | 9 | 1.0 | 333.0 | Yes | 5493.8MHz, -64.0dBm | Hop sequence: 5358, 5624, 5664, 5612, 5353, |

| Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5698, 5528, 5545, 5713, 5603, 5556, 5597, 5536, 5585, 5470, 5411, 5402, 5494, 5418, 5558, 5443, 5279, 5706, 5401, 5475, 5637, 5252, 5604, 5508, 5724, 5535, 5699, 5625, 5300, 5440, 5311, 5335, 5286, 5414, 5651, 5619, 5608, 5370, 5392, 5340, 5574, 5391, 5373, 5593, 5275, 5570, 5451, 5325, 5457, 5522, 5499, 5407, 5636, 5278, 5623, 5538, 5420, 5257, 5504, 5679, 5319, 5507, 5425, 5650, 5381, 5553, 5422, 5296, 5692, 5710, 5421, 5350, 5435, 5702, 5718, 5280, 5480, 5580, 5327, 5571, 5455, 5318, 5264, 5502, 5486, 5291, 5316, 5428, 5541, 5495, 5678, 5660, 5606, 5550, 5560 (7 hits) |
| 4 | 9 | 1.0 | 333.0 | No | 5494.8MHz, -64.0dBm | Hop sequence: 5342, 5597, 5338, 5290, 5593, 5692, 5579, 5706, 5719, 5405, 5300, 5622, 5722, 5508, 5323, 5366, 5362, 5447, 5377, 5428, 5383, 5698, 5257, 5543, 5280, 5296, 5484, 5570, 5282, 5320, 5395, 5286, 5626, 5635, 5293, 5595, 5711, 5374, 5496, 5298, 5314, 5356, 5549, 5378, 5358, 5520, 5553, 5480, 5292, 5265, 5467, 5308, 5252, 5465, 5353, 5584, 5658, 5392, 5477, 5313, 5414, 5295, 5705, 5618, 5478, 5619, 5664, 5578, 5470, 5425, 5576, 5339, 5324, 5404, 5696, 5674, 5294, 5581, 5713, 5632, 5695, 5679, 5448, 5431, 5267, 5473, 5546, 5615, 5702, 5497, 5474, 5346, 5466, 5341, 5565, 5683, 5724, 5459, 5590, 5710 (3 hits) |
| 5 | 9 | 1.0 | 333.0 | Yes | 5495.8MHz, -64.0dBm | Hop sequence: 5425, 5557, 5506, 5395, 5717, 5563, 5566, 5597, 5636, 5254, 5558, 5422, 5641, 5386, 5290, 5670, 5394, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5251, 5568, 5696, 5346, 5542, 5515, 5277, 5288, 5501, 5598, 5647, 5292, 5628, 5709, 5275, 5609, 5442, 5406, 5367, 5500, 5621, 5287, 5645, 5630, 5305, 5404, 5514, 5293, 5498, 5663, 5472, 5549, 5675, 5268, 5370, 5491, 5270, 5631, 5533, 5267, 5429, 5298, 5614, 5553, 5333, 5603, 5629, 5529, 5697, 5486, 5324, 5465, 5661, 5541, 5507, 5617, 5591, 5470, 5321, 5265, 5259, 5285, 5456, 5433, 5418, 5278, 5679, 5355, 5608, 5480, 5662, 5477, 5379, 5408, 5412, 5551, 5439, 5401, 5710, 5391, 5374, 5468, 5688 (5 hits) |
| 6 | 9 | 1.0 | 333.0 | Yes | 5496.8MHz, -64.0dBm | Hop sequence: 5698, 5499, 5719, 5690, 5445, 5453, 5461, 5528, 5399, 5482, 5724, 5346, 5725, 5601, 5292, 5513, 5295, 5259, 5697, 5541, 5712, 5497, 5720, 5613, 5370, 5364, 5717, 5255, 5666, 5670, 5537, 5577, 5524, 5329, 5587, 5417, 5317, 5620, 5309, 5571, 5361, 5339, 5530, 5507, 5594, 5374, 5677, 5656, 5553, 5404, 5456, 5527, 5500, 5680, 5344, 5559, 5477, 5457, 5545, 5624, 5580, 5705, 5663, 5388, 5567, 5266, 5296, 5385, 5655, 5678, 5348, 5707, 5373, 5408, 5584, 5633, 5540, 5562, 5673, 5379, 5686, 5265, 5684, 5721, 5592, 5382, 5578, 5700, 5672, 5651, 5590, 5359, 5338, 5521, 5409, 5450, 5390, 5311, 5355, 5396 (4 hits) |
| 7 | 9 | 1.0 | 333.0 | Yes | 5497.8MHz, -64.0dBm | Hop sequence: 5491, 5593, 5363, 5542, 5644, 5459, 5311, 5705, 5353, 5511, 5568, 5335, 5255, 5431, 5659, 5395, 5673, 5297, 5570, 5338, 5683, 5387, 5614, 5687, 5551, 5393, 5566, 5378, 5553, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5265, 5493, 5577, 5711, 5263, 5657, 5406, 5589, 5310, 5557, 5487, 5345, 5616, 5630, 5473, 5620, 5313, 5530, 5585, 5276, 5375, 5350, 5611, 5555, 5391, 5262, 5346, 5520, 5526, 5285, 5509, 5663, 5308, 5369, 5723, 5502, 5549, 5629, 5710, 5533, 5537, 5608, 5259, 5456, 5321, 5381, 5598, 5379, 5410, 5336, 5323, 5704, 5574, 5601, 5667, 5676, 5373, 5670, 5418, 5441, 5271, 5718, 5341, 5654, 5437, 5679, 5721, 5600, 5420, 5442, 5521 (2 hits) |
| 8 | 9 | 1.0 | 333.0 | No | 5498.8MHz, -64.0dBm | Hop sequence: 5293, 5340, 5637, 5463, 5252, 5386, 5296, 5674, 5588, 5297, 5360, 5723, 5630, 5422, 5347, 5269, 5531, 5400, 5520, 5528, 5318, 5364, 5677, 5337, 5448, 5391, 5656, 5629, 5425, 5312, 5716, 5682, 5565, 5394, 5548, 5594, 5407, 5330, 5657, 5606, 5301, 5458, 5564, 5672, 5701, 5380, 5280, 5381, 5295, 5273, 5355, 5551, 5544, 5306, 5570, 5596, 5658, 5321, 5402, 5319, 5479, 5534, 5434, 5320, 5324, 5605, 5688, 5703, 5555, 5265, 5474, 5406, 5449, 5641, 5595, 5491, 5504, 5352, 5653, 5289, 5254, 5309, 5566, 5437, 5621, 5432, 5708, 5537, 5690, 5577, 5536, 5696, 5481, 5390, 5253, 5721, 5562, 5419, 5485, 5274 (1 hits) |
| 9 | 9 | 1.0 | 333.0 | Yes | 5499.8MHz, -64.0dBm | Hop sequence: 5595, 5283, 5287, 5417, 5509, 5670, 5640, 5682, 5275, 5723, 5295, 5536, 5379, 5449, 5718, 5267, 5601, 5400, 5404, 5387, 5500, 5535, 5627, 5298, 5573, 5698, 5473, 5491, 5266, 5476, 5314, 5250, 5651, 5434, 5649, 5306, 5273, 5262, 5460, 5548, 5372, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5301, 5419, 5571, 5328, 5719, 5547, 5359, 5606, 5619, 5532, 5702, 5315, 5568, 5285, 5513, 5541, 5634, 5505, 5330, 5351, 5327, 5511, 5316, 5358, 5402, 5253, 5403, 5607, 5439, 5592, 5361, 5385, 5721, 5271, 5468, 5292, 5534, 5615, 5588, 5484, 5482, 5481, 5251, 5525, 5633, 5713, 5343, 5453, 5604, 5431, 5613, 5370, 5594, 5668, 5369, 5501, 5696, 5425, 5334 (3 hits) |
| 10 | 9 | 1.0 | 333.0 | Yes | 5500.8MHz, -64.0dBm | Hop sequence: 5274, 5475, 5458, 5644, 5539, 5351, 5409, 5599, 5640, 5581, 5630, 5636, 5270, 5721, 5281, 5355, 5272, 5423, 5415, 5635, 5444, 5413, 5340, 5386, 5307, 5527, 5566, 5440, 5637, 5667, 5291, 5595, 5348, 5672, 5494, 5490, 5562, 5682, 5284, 5642, 5303, 5252, 5611, 5417, 5571, 5378, 5354, 5723, 5576, 5322, 5691, 5579, 5290, 5263, 5515, 5643, 5608, 5418, 5556, 5607, 5719, 5656, 5328, 5593, 5438, 5313, 5305, 5497, 5479, 5704, 5492, 5442, 5375, 5393, 5548, 5669, 5700, 5428, 5484, 5365, 5320, 5714, 5288, 5420, 5702, 5605, 5425, 5255, 5370, 5724, 5279, 5304, 5265, 5578, 5392, 5461, 5502, 5250, 5426, 5717 (4 hits) |
| 11 | 9 | 1.0 | 333.0 | Yes | 5501.8MHz, -64.0dBm | Hop sequence: 5391, 5596, 5390, 5334, 5655, 5639, 5398, 5431, 5311, 5319, 5475, 5439, 5425, 5442, 5629, 5310, 5333, 5297, 5323, 5643, 5413, 5317, 5693, 5699, 5320, 5692, 5399, 5572, 5673, 5261, 5337, 5446, 5451, 5477, 5554, 5355, 5373, 5547, 5283, 5447, 5694, 5620, 5524, 5649, 5359, 5707, 5527, 5338, 5274, 5472, 5426, 5543, 5682, |

| Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5512, 5595, 5630, 5456, 5703, 5691, 5403, 5263, 5642, 5511, 5367, 5666, 5651, 5584, 5714, 5531, 5520, 5492, 5513, 5262, 5537, 5330, 5567, 5346, 5615, 5698, 5685, 5637, 5453, 5690, 5304, 5293, 5712, 5404, 5672, 5409, 5388, 5386, 5342, 5364, 5606, 5423, 5375, 5493, 5559, 5272, 5462 (2 hits) |
| 12 | 9 | 1.0 | 333.0 | Yes | 5502.8MHz, -64.0dBm | Hop sequence: 5524, 5567, 5453, 5262, 5351, 5552, 5619, 5401, 5267, 5366, 5707, 5508, 5614, 5488, 5311, 5385, 5705, 5444, 5712, 5668, 5589, 5431, 5588, 5361, 5652, 5615, 5611, 5313, 5423, 5608, 5469, 5540, 5601, 5593, 5426, 5482, 5577, 5466, 5487, 5457, 5345, 5525, 5504, 5403, 5517, 5700, 5563, 5308, 5661, 5475, 5657, 5479, 5544, 5569, 5595, 5555, 5387, 5409, 5254, 5641, 5449, 5669, 5633, 5582, 5346, 5602, 5402, 5381, 5546, 5374, 5682, 5310, 5459, 5634, 5301, 5678, 5414, 5597, 5460, 5342, 5710, 5293, 5357, 5685, 5501, 5625, 5287, 5596, 5618, 5578, 5701, 5579, 5448, 5354, 5676, 5639, 5558, 5280, 5529, 5322 (3 hits) |
| 13 | 9 | 1.0 | 333.0 | Yes | 5503.8MHz, -64.0dBm | Hop sequence: 5360, 5314, 5392, 5300, 5612, 5372, 5670, 5433, 5303, 5290, 5370, 5705, 5536, 5506, 5470, 5282, 5267, 5523, 5592, 5419, 5344, 5425, 5646, 5576, 5400, 5407, 5565, 5602, 5654, 5624, 5632, 5422, 5653, 5261, 5683, 5342, 5457, 5725, 5644, 5627, 5440, 5517, 5443, 5637, 5669, 5533, 5317, 5286, 5662, 5616, 5656, 5330, 5301, 5607, 5318, 5450, 5555, 5663, 5357, 5623, 5640, 5594, 5570, 5466, 5568, |

| Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5720, 5579, 5361, 5256, 5283, 5668, 5374, 5709, 5269, 5595, 5560, 5368, 5582, 5648, 5442, 5365, 5631, 5691, 5284, 5710, 5641, 5491, 5492, 5363, 5415, 5713, 5340, 5486, 5586, 5252, 5615, 5524, 5377, 5563, 5402 (2 hits) |
| 14 | 9 | 1.0 | 333.0 | Yes | 5504.8MHz, -64.0dBm | Hop sequence: 5344, 5360, 5461, 5706, 5264, 5627, 5414, 5606, 5485, 5303, 5520, 5410, 5555, 5614, 5599, 5262, 5698, 5353, 5355, 5694, 5265, 5421, 5499, 5298, 5542, 5633, 5628, 5465, 5642, 5625, 5587, 5604, 5417, 5304, 5538, 5629, 5605, 5289, 5308, 5691, 5333, 5409, 5646, 5365, 5550, 5503, 5363, 5540, 5267, 5525, 5658, 5306, 5315, 5568, 5277, 5573, 5711, 5422, 5507, 5544, 5428, 5439, 5313, 5648, 5281, 5368, 5552, 5720, 5683, 5467, 5372, 5387, 5346, 5253, 5624, 5501, 5692, 5394, 5450, 5533, 5685, 5535, 5282, 5494, 5472, 5612, 5278, 5411, 5686, 5445, 5641, 5397, 5369, 5349, 5371, 5699, 5320, 5274, 5622, 5385 (5 hits) |
| 15 | 9 | 1.0 | 333.0 | Yes | 5505.8MHz, -64.0dBm | Hop sequence: 5609, 5371, 5638, 5682, 5698, 5367, 5250, 5658, 5449, 5713, 5573, 5350, 5423, 5683, 5677, 5291, 5576, 5646, 5430, 5716, 5489, 5546, 5679, 5253, 5286, 5267, 5360, 5487, 5723, 5356, 5508, 5311, 5512, 5379, 5326, 5674, 5663, 5263, 5376, 5661, 5412, 5655, 5593, 5443, 5404, 5535, 5335, 5681, 5678, 5670, 5577, 5506, 5258, 5666, 5333, 5275, 5647, 5280, 5690, 5585, 5442, 5639, 5337, 5702, 5615, 5571, 5583, 5551, 5377, 5351, 5633, 5505, 5460, 5724, 5626, 5317, 5693, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5691, 5550, 5309, 5596, 5570, 5572, 5700, 5503, 5588, 5428, 5408, 5617, 5627, 5457, 5665, 5722, 5330, 5493, 5399, 5465, 5364, 5616, 5706 (5 hits) |
| 16 | 9 | 1.0 | 333.0 | Yes | 5506.8MHz, -64.0dBm | Hop sequence: 5418, 5662, 5385, 5497, 5258, 5357, 5696, 5397, 5636, 5360, 5479, 5445, 5289, 5564, 5573, 5618, 5447, 5596, 5402, 5314, 5634, 5277, 5383, 5565, 5446, 5284, 5321, 5576, 5635, 5443, 5683, 5364, 5678, 5292, 5406, 5274, 5282, 5359, 5546, 5328, 5411, 5555, 5344, 5670, 5485, 5297, 5463, 5352, 5431, 5368, 5609, 5719, 5666, 5690, 5375, 5698, 5491, 5428, 5527, 5574, 5602, 5646, 5423, 5389, 5653, 5658, 5390, 5691, 5433, 5306, 5376, 5516, 5631, 5457, 5252, 5312, 5521, 5444, 5394, 5367, 5612, 5541, 5429, 5327, 5539, 5281, 5537, 5298, 5307, 5512, 5296, 5345, 5622, 5302, 5673, 5524, 5384, 5417, 5650, 5378 (1 hits) |
| 17 | 9 | 1.0 | 333.0 | Yes | 5507.8MHz, -64.0dBm | Hop sequence: 5621, 5482, 5696, 5477, 5553, 5610, 5455, 5302, 5474, 5660, 5700, 5342, 5567, 5417, 5297, 5334, 5693, 5442, 5706, 5293, 5584, 5614, 5259, 5702, 5483, 5721, 5318, 5578, 5431, 5502, 5641, 5473, 5713, 5460, 5452, 5596, 5444, 5698, 5685, 5466, 5677, 5659, 5409, 5369, 5285, 5321, 5284, 5373, 5644, 5400, 5271, 5679, 5570, 5500, 5269, 5423, 5478, 5579, 5305, 5631, 5451, 5290, 5385, 5287, 5516, 5615, 5471, 5627, 5350, 5692, 5498, 5383, 5510, 5687, 5558, 5573, 5355, 5338, 5501, 5637, 5263, 5640, 5671, 5550, 5539, 5508, 5512, 5328, 5274, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5359, 5618, 5336, 5646, 5602, 5678, 5430, 5434, 5647, 5347, 5278 (5 hits) |
| 18 | 9 | 1.0 | 333.0 | Yes | 5508.2MHz, -64.0dBm | Hop sequence: 5455, 5613, 5568, 5488, 5606, 5711, 5506, 5257, 5381, 5687, 5294, 5557, 5584, 5551, 5408, 5460, 5640, 5558, 5321, 5538, 5363, 5651, 5362, 5644, 5620, 5337, 5552, 5403, 5630, 5290, 5669, 5383, 5459, 5298, 5370, 5265, 5511, 5373, 5482, 5509, 5587, 5404, 5491, 5311, 5406, 5378, 5652, 5702, 5368, 5264, 5565, 5286, 5330, 5463, 5469, 5329, 5697, 5627, 5351, 5430, 5560, 5703, 5608, 5698, 5275, 5450, 5595, 5350, 5526, 5684, 5438, 5670, 5254, 5394, 5497, 5639, 5324, 5618, 5498, 5346, 5444, 5723, 5721, 5593, 5712, 5693, 5635, 5665, 5600, 5327, 5472, 5387, 5653, 5471, 5550, 5579, 5508, 5626, 5344, 5268 (4 hits) |
| 19 | 9 | 1.0 | 333.0 | Yes | 5491.8MHz, -64.0dBm | Hop sequence: 5499, 5693, 5260, 5603, 5606, 5268, 5285, 5393, 5702, 5594, 5719, 5379, 5495, 5575, 5507, 5622, 5318, 5458, 5675, 5520, 5697, 5504, 5441, 5299, 5319, 5368, 5374, 5508, 5274, 5541, 5662, 5616, 5670, 5255, 5645, 5398, 5412, 5582, 5549, 5553, 5391, 5462, 5643, 5386, 5383, 5563, 5609, 5476, 5347, 5726, 5372, 5280, 5644, 5465, 5488, 5656, 5525, 5615, 5331, 5640, 5694, 5667, 5611, 5601, 5533, 5340, 5532, 5277, 5650, 5517, 5690, 5633, 5446, 5515, 5470, 5497, 5548, 5664, 5612, 5358, 5494, 5626, 5500, 5534, 5651, 5668, 5600, 5725, 5653, 5375, 5457, 5339, 5540, 5527, 5584, 5493, 5498, 5471, 5434, 5257 (10 |

| Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | hits) |
| 20 | 9 | 1.0 | 333.0 | Yes | 5492.8MHz, -64.0dBm | Hop sequence: 5251, 5349, 5306, 5364, 5447, 5587, 5719, 5336, 5624, 5259, 5714, 5472, 5437, 5627, 5314, 5263, 5553, 5498, 5556, 5505, 5584, 5424, 5674, 5464, 5680, 5355, 5689, 5255, 5258, 5316, 5670, 5469, 5695, 5593, 5410, 5400, 5325, 5339, 5671, 5720, 5585, 5550, 5408, 5477, 5319, 5559, 5262, 5711, 5308, 5577, 5503, 5290, 5699, 5576, 5416, 5374, 5701, 5519, 5578, 5561, 5581, 5467, 5436, 5625, 5517, 5706, 5600, 5291, 5445, 5487, 5530, 5476, 5513, 5663, 5274, 5657, 5658, 5315, 5326, 5621, 5612, 5321, 5446, 5532, 5544, 5620, 5639, 5252, 5483, 5444, 5462, 5427, 5438, 5626, 5452, 5641, 5305, 5642, 5322, 5565 (3 hits) |
| 21 | 9 | 1.0 | 333.0 | Yes | 5493.8MHz, -64.0dBm | Hop sequence: 5684, 5467, 5640, 5529, 5441, 5568, 5417, 5545, 5438, 5273, 5367, 5625, 5502, 5715, 5618, 5282, 5493, 5468, 5347, 5331, 5272, 5554, 5608, 5400, 5714, 5481, 5489, 5270, 5673, 5325, 5338, 5474, 5406, 5566, 5667, 5590, 5431, 5537, 5426, 5527, 5473, 5377, 5397, 5702, 5570, 5334, 5410, 5678, 5562, 5641, 5657, 5352, 5697, 5521, 5505, 5451, 5550, 5528, 5277, 5393, 5636, 5558, 5659, 5591, 5442, 5607, 5663, 5336, 5606, 5366, 5362, 5559, 5548, 5501, 5508, 5704, 5656, 5576, 5682, 5573, 5420, 5565, 5373, 5408, 5716, 5387, 5359, 5465, 5449, 5587, 5534, 5457, 5292, 5322, 5315, 5507, 5709, 5421, 5510, 5530 (6 hits) |
| 22 | 9 | 1.0 | 333.0 | Yes | 5494.8MHz, -64.0dBm | Hop sequence: 5568, 5675, 5594, 5588, 5315, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5666, 5659, 5551, 5665, 5721, 5614, 5310, 5436, 5520, 5624, 5446, 5265, 5486, 5691, 5611, 5698, 5573, 5450, 5490, 5337, 5576, 5599, 5441, 5650, 5507, 5461, 5639, 5636, 5648, 5528, 5434, 5376, 5431, 5630, 5716, 5253, 5656, 5586, 5545, 5317, 5294, 5345, 5563, 5378, 5480, 5581, 5702, 5724, 5384, 5518, 5356, 5720, 5286, 5505, 5492, 5658, 5468, 5626, 5686, 5589, 5261, 5606, 5297, 5489, 5499, 5251, 5327, 5470, 5644, 5491, 5605, 5339, 5663, 5678, 5708, 5412, 5266, 5292, 5555, 5328, 5539, 5684, 5530, 5580, 5685, 5631, 5608, 5577, 5718, 5287, 5715, 5397, 5320, 5508, 5674 (5 hits) |
| 23 | 9 | 1.0 | 333.0 | Yes | 5495.8MHz, -64.0dBm | Hop sequence: 5492, 5373, 5721, 5502, 5582, 5353, 5423, 5342, 5457, 5374, 5407, 5361, 5296, 5589, 5284, 5672, 5522, 5670, 5595, 5251, 5558, 5318, 5684, 5428, 5379, 5550, 5483, 5294, 5500, 5425, 5711, 5689, 5658, 5287, 5261, 5447, 5438, 5560, 5392, 5577, 5723, 5409, 5442, 5462, 5724, 5641, 5475, 5556, 5608, 5289, 5389, 5260, 5649, 5433, 5489, 5306, 5504, 5509, 5396, 5259, 5280, 5264, 5631, 5270, 5485, 5403, 5561, 5690, 5466, 5722, 5719, 5688, 5359, 5701, 5308, 5422, 5285, 5401, 5707, 5644, 5503, 5377, 5716, 5616, 5258, 5514, 5700, 5576, 5415, 5543, 5290, 5634, 5562, 5494, 5302, 5490, 5464, 5380, 5310, 5633 (6 hits) |
| 24 | 9 | 1.0 | 333.0 | Yes | 5496.8MHz, -64.0dBm | Hop sequence: 5294, 5597, 5605, 5375, 5276, 5724, 5608, 5302, 5613, 5350, 5644, 5574, 5262, 5330, 5411, 5300, 5576, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5561, 5311, 5663, 5337, 5559, 5645, 5387, 5341, 5580, 5497, 5367, 5338, 5721, 5414, 5399, 5322, 5598, 5407, 5581, 5260, 5699, 5504, 5586, 5371, 5620, 5395, 5675, 5568, 5701, 5376, 5505, 5669, 5306, 5365, 5695, 5359, 5288, 5631, 5691, 5578, 5285, 5275, 5363, 5471, 5266, 5468, 5583, 5526, 5467, 5417, 5530, 5317, 5484, 5486, 5477, 5348, 5595, 5403, 5685, 5328, 5261, 5623, 5664, 5451, 5380, 5520, 5511, 5339, 5600, 5435, 5506, 5496, 5636, 5398, 5436, 5298, 5447, 5385, 5500, 5642, 5333, 5383, 5610 (6 hits) |
| 25 | 9 | 1.0 | 333.0 | Yes | 5497.8MHz, -64.0dBm | Hop sequence: 5445, 5658, 5606, 5326, 5320, 5343, 5700, 5258, 5263, 5549, 5458, 5540, 5553, 5513, 5407, 5253, 5339, 5608, 5328, 5279, 5499, 5276, 5680, 5679, 5572, 5620, 5271, 5316, 5387, 5431, 5378, 5577, 5367, 5596, 5601, 5718, 5426, 5558, 5408, 5622, 5463, 5404, 5589, 5586, 5645, 5695, 5452, 5502, 5590, 5564, 5688, 5626, 5399, 5295, 5299, 5260, 5510, 5451, 5560, 5425, 5464, 5632, 5389, 5539, 5699, 5649, 5678, 5521, 5429, 5644, 5566, 5436, 5707, 5647, 5675, 5665, 5285, 5274, 5673, 5292, 5385, 5465, 5597, 5687, 5287, 5257, 5441, 5254, 5592, 5338, 5403, 5275, 5518, 5489, 5443, 5437, 5395, 5655, 5440, 5264 (2 hits) |
| 26 | 9 | 1.0 | 333.0 | Yes | 5498.8MHz, -64.0dBm | Hop sequence: 5290, 5468, 5675, 5516, 5591, 5396, 5717, 5401, 5542, 5702, 5374, 5382, 5501, 5488, 5605, 5489, 5345, 5517, 5315, 5481, 5706, 5485, 5330, 5314, 5258, 5482, 5381, 5288, 5590, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5512, 5391, 5709, 5427, 5638, 5710, 5578, 5390, 5615, 5668, 5603, 5699, 5496, 5311, 5419, 5398, 5372, 5294, 5687, 5597, 5399, 5563, 5338, 5614, 5287, 5510, 5653, 5721, 5465, 5362, 5260, 5358, 5529, 5559, 5302, 5450, 5408, 5574, 5486, 5356, 5402, 5565, 5514, 5431, 5609, 5588, 5623, 5663, 5324, 5271, 5570, 5694, 5421, 5525, 5725, 5722, 5548, 5286, 5370, 5277, 5319, 5368, 5708, 5266, 5300, 5502, 5692, 5549, 5498, 5455, 5326 (4 hits) |
| 27 | 9 | 1.0 | 333.0 | Yes | 5499.8MHz, -64.0dBm | Hop sequence: 5593, 5503, 5633, 5325, 5665, 5360, 5601, 5495, 5522, 5496, 5542, 5404, 5367, 5568, 5678, 5483, 5662, 5316, 5383, 5406, 5291, 5415, 5606, 5451, 5609, 5482, 5627, 5290, 5715, 5649, 5280, 5376, 5287, 5687, 5502, 5380, 5279, 5499, 5458, 5517, 5500, 5260, 5676, 5558, 5722, 5545, 5273, 5670, 5528, 5693, 5612, 5282, 5720, 5393, 5408, 5490, 5286, 5449, 5642, 5304, 5695, 5357, 5624, 5533, 5516, 5446, 5410, 5682, 5651, 5301, 5643, 5292, 5370, 5251, 5661, 5405, 5363, 5460, 5594, 5417, 5559, 5656, 5707, 5610, 5596, 5553, 5674, 5403, 5666, 5347, 5254, 5436, 5329, 5256, 5530, 5629, 5561, 5582, 5543, 5411 (6 hits) |
| 28 | 9 | 1.0 | 333.0 | Yes | 5500.8MHz, -64.0dBm | Hop sequence: 5567, 5693, 5421, 5697, 5637, 5712, 5669, 5457, 5267, 5294, 5714, 5404, 5376, 5473, 5461, 5280, 5644, 5460, 5605, 5336, 5347, 5359, 5251, 5439, 5412, 5433, 5547, 5382, 5410, 5337, 5351, 5476, 5450, 5455, 5608, 5633, 5681, 5586, 5429, 5591, 5417, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5599, 5373, 5358, 5510, 5684, 5284, 5452, 5491, 5671, 5274, 5589, 5431, 5504, 5598, 5668, 5612, 5445, 5538, 5607, 5496, 5250, 5578, 5560, 5585, 5624, 5676, 5296, 5544, 5323, 5354, 5664, 5466, 5464, 5406, 5261, 5592, 5472, 5527, 5273, 5481, 5703, 5368, 5389, 5448, 5383, 5289, 5441, 5597, 5508, 5507, 5690, 5384, 5300, 5266, 5478, 5520, 5541, 5334, 5276 (4 hits) |
| 29 | 9 | 1.0 | 333.0 | Yes | 5501.8MHz, -64.0dBm | Hop sequence: 5448, 5255, 5702, 5722, 5265, 5543, 5428, 5371, 5280, 5327, 5467, 5264, 5515, 5288, 5713, 5635, 5412, 5711, 5693, 5453, 5665, 5530, 5721, 5426, 5677, 5486, 5372, 5277, 5652, 5565, 5370, 5579, 5588, 5547, 5678, 5628, 5418, 5535, 5309, 5703, 5376, 5534, 5473, 5640, 5361, 5659, 5429, 5307, 5644, 5645, 5422, 5583, 5319, 5700, 5302, 5291, 5270, 5684, 5404, 5582, 5488, 5670, 5536, 5463, 5578, 5601, 5572, 5480, 5446, 5356, 5381, 5716, 5423, 5503, 5500, 5407, 5320, 5545, 5365, 5456, 5368, 5539, 5445, 5284, 5344, 5487, 5452, 5340, 5593, 5596, 5301, 5377, 5604, 5553, 5393, 5664, 5328, 5310, 5432, 5346 (2 hits) |
| 30 | 9 | 1.0 | 333.0 | Yes | 5502.8MHz, -64.0dBm | Hop sequence: 5630, 5585, 5283, 5681, 5599, 5572, 5637, 5433, 5420, 5699, 5534, 5578, 5294, 5644, 5634, 5330, 5274, 5439, 5692, 5608, 5626, 5289, 5537, 5517, 5460, 5710, 5587, 5521, 5545, 5392, 5592, 5560, 5442, 5414, 5443, 5472, 5276, 5340, 5595, 5617, 5417, 5533, 5553, 5309, 5531, 5322, 5706, 5701, 5421, 5664, 5612, 5661, 5618, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5690, 5575, 5645, 5337, 5338, 5705, 5610, 5655, 5287, 5304, 5273, 5541, 5499, 5721, 5416, 5310, 5386, 5328, 5686, 5566, 5484, 5378, 5565, 5407, 5354, 5481, 5432, 5594, 5252, 5459, 5295, 5324, 5577, 5573, 5446, 5262, 5580, 5508, 5268, 5546, 5389, 5473, 5399, 5265, 5301, 5584, 5544 (2 hits) |
| 31 | 9 | 1.0 | 333.0 | Yes | 5503.8MHz, -64.0dBm | Hop sequence: 5718, 5312, 5567, 5261, 5662, 5451, 5539, 5340, 5649, 5569, 5652, 5377, 5707, 5296, 5319, 5259, 5414, 5511, 5541, 5619, 5292, 5706, 5329, 5424, 5336, 5542, 5650, 5615, 5691, 5458, 5550, 5572, 5676, 5524, 5554, 5436, 5630, 5289, 5595, 5321, 5267, 5686, 5639, 5525, 5654, 5275, 5474, 5416, 5501, 5483, 5308, 5285, 5496, 5516, 5302, 5488, 5679, 5556, 5621, 5417, 5640, 5612, 5453, 5660, 5704, 5548, 5398, 5378, 5286, 5389, 5659, 5395, 5351, 5680, 5506, 5252, 5696, 5597, 5366, 5491, 5465, 5571, 5582, 5576, 5287, 5517, 5603, 5270, 5271, 5537, 5598, 5461, 5535, 5415, 5459, 5314, 5420, 5521, 5620, 5272 (3 hits) |
| 32 | 9 | 1.0 | 333.0 | Yes | 5504.8MHz, -64.0dBm | Hop sequence: 5426, 5537, 5420, 5683, 5615, 5446, 5580, 5318, 5545, 5327, 5338, 5622, 5496, 5593, 5255, 5591, 5467, 5384, 5698, 5506, 5660, 5710, 5477, 5629, 5553, 5604, 5657, 5693, 5278, 5600, 5488, 5433, 5486, 5701, 5606, 5529, 5681, 5628, 5427, 5281, 5393, 5541, 5452, 5360, 5535, 5481, 5387, 5647, 5375, 5377, 5484, 5328, 5659, 5634, 5455, 5667, 5389, 5497, 5662, 5347, 5354, 5323, 5461, 5564, 5644, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5605, 5351, 5359, 5547, 5719, 5569, 5718, 5590, 5341, 5301, 5528, 5685, 5346, 5271, 5457, 5388, 5690, 5269, 5696, 5445, 5576, 5632, 5689, 5638, 5656, 5523, 5579, 5268, 5510, 5436, 5381, 5394, 5549, 5333, 5260 (3 hits) |
| 33 | 9 | 1.0 | 333.0 | Yes | 5505.8MHz, -64.0dBm | Hop sequence: 5674, 5645, 5555, 5257, 5461, 5435, 5578, 5537, 5439, 5600, 5560, 5689, 5463, 5700, 5376, 5464, 5506, 5371, 5500, 5707, 5294, 5615, 5278, 5277, 5515, 5470, 5271, 5565, 5571, 5538, 5639, 5268, 5272, 5479, 5574, 5657, 5606, 5622, 5452, 5612, 5299, 5521, 5345, 5285, 5335, 5703, 5501, 5259, 5386, 5346, 5389, 5603, 5699, 5486, 5482, 5655, 5513, 5616, 5253, 5498, 5503, 5453, 5368, 5594, 5649, 5607, 5547, 5337, 5437, 5264, 5333, 5362, 5647, 5485, 5620, 5552, 5539, 5472, 5354, 5462, 5424, 5441, 5690, 5566, 5359, 5671, 5300, 5627, 5350, 5458, 5319, 5618, 5340, 5601, 5348, 5682, 5392, 5415, 5725, 5342 (5 hits) |
| 34 | 9 | 1.0 | 333.0 | Yes | 5506.8MHz, -64.0dBm | Hop sequence: 5444, 5370, 5541, 5708, 5622, 5301, 5287, 5509, 5567, 5253, 5699, 5684, 5340, 5438, 5401, 5675, 5706, 5644, 5715, 5298, 5456, 5468, 5542, 5284, 5625, 5679, 5689, 5599, 5306, 5286, 5418, 5273, 5655, 5335, 5351, 5324, 5274, 5495, 5592, 5559, 5690, 5590, 5579, 5281, 5406, 5433, 5425, 5613, 5317, 5337, 5637, 5476, 5500, 5630, 5558, 5464, 5631, 5360, 5415, 5515, 5362, 5366, 5646, 5678, 5531, 5309, 5597, 5709, 5290, 5647, 5563, 5664, 5549, 5303, 5345, 5576, 5332, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5701, 5419, 5568, 5396, 5666, 5585, 5373, 5470, 5710, 5686, 5627, 5350, 5307, 5363, 5272, 5635, 5497, 5553, 5572, 5454, 5461, 5661, 5252 (3 hits) |
| 35 | 9 | 1.0 | 333.0 | Yes | 5507.8MHz, -64.0dBm | Hop sequence: 5706, 5444, 5628, 5465, 5448, 5413, 5439, 5567, 5675, 5568, 5612, 5591, 5275, 5372, 5453, 5470, 5490, 5320, 5686, 5387, 5517, 5534, 5596, 5552, 5304, 5318, 5383, 5639, 5666, 5438, 5455, 5626, 5523, 5293, 5469, 5681, 5718, 5461, 5285, 5412, 5300, 5673, 5309, 5614, 5571, 5404, 5263, 5458, 5538, 5307, 5627, 5710, 5684, 5526, 5547, 5532, 5334, 5322, 5524, 5480, 5546, 5317, 5368, 5652, 5410, 5680, 5709, 5629, 5705, 5509, 5464, 5701, 5561, 5411, 5472, 5533, 5519, 5408, 5355, 5611, 5418, 5704, 5342, 5630, 5363, 5489, 5433, 5398, 5447, 5608, 5280, 5303, 5502, 5554, 5616, 5364, 5478, 5536, 5290, 5658 (1 hits) |
| 36 | 9 | 1.0 | 333.0 | Yes | 5508.2MHz, -64.0dBm | Hop sequence: 5455, 5497, 5679, 5331, 5402, 5719, 5529, 5561, 5383, 5422, 5553, 5690, 5346, 5323, 5444, 5321, 5406, 5305, 5268, 5619, 5482, 5453, 5677, 5258, 5463, 5627, 5706, 5725, 5403, 5281, 5546, 5386, 5695, 5358, 5415, 5439, 5629, 5332, 5551, 5290, 5697, 5261, 5684, 5674, 5613, 5654, 5547, 5494, 5682, 5672, 5343, 5380, 5569, 5563, 5333, 5296, 5685, 5643, 5269, 5435, 5413, 5300, 5661, 5365, 5671, 5484, 5703, 5686, 5723, 5650, 5577, 5307, 5523, 5566, 5395, 5477, 5532, 5417, 5586, 5678, 5303, 5373, 5496, 5490, 5450, 5688, 5470, 5368, 5667, |

| **Table 86 - FCC frequency hopping radar (Type 6) Results 20MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5313, 5647, 5424, 5589, 5421, 5702, 5692, 5391, 5370, 5361, 5457 (3 hits) |
| 37 | 9 | 1.0 | 333.0 | Yes | 5491.8MHz, -64.0dBm | Hop sequence: 5725, 5281, 5326, 5552, 5459, 5479, 5333, 5275, 5698, 5544, 5615, 5672, 5717, 5623, 5295, 5524, 5465, 5531, 5408, 5495, 5566, 5286, 5507, 5433, 5406, 5265, 5595, 5424, 5384, 5632, 5375, 5659, 5587, 5626, 5411, 5528, 5506, 5455, 5287, 5588, 5323, 5373, 5540, 5541, 5359, 5551, 5399, 5255, 5508, 5252, 5327, 5591, 5604, 5417, 5697, 5432, 5404, 5396, 5638, 5675, 5486, 5530, 5644, 5609, 5427, 5466, 5251, 5372, 5578, 5549, 5380, 5381, 5470, 5416, 5362, 5447, 5302, 5409, 5496, 5428, 5484, 5325, 5341, 5625, 5363, 5646, 5634, 5684, 5686, 5293, 5569, 5342, 5426, 5313, 5328, 5668, 5605, 5429, 5579, 5394 (5 hits) |

| Table 87 - Detection Bandwidth Measurements (Bandwidth: +16.5MHz /-16.5MHz) 40MHz | | | | | |
|---|---|---|---|---|---|
| EUT Frequency | Radar Type | Radar Frequency | # Detected | # Not Detected | Success (%) |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5483.40 MHz | 0 | 2 | 0 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5483.50 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5484.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5485.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5490.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5495.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5500.00 MHz | 9 | 1 | 90 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5505.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5510.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5515.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5516.00 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5516.50 MHz | 10 | 0 | 100 |
| 5500.00 MHz | FCC Short Pulse Radar (Type 0) | 5516.60 MHz | 5 | 2 | 71.4 |

| Table 88 - FCC Short Pulse Radar (Type 1A) Results 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 76 | 1.0 | 698.0 | Yes | 5500.0MHz,-63.0dBm | Single burst |
| 2 | 74 | 1.0 | 718.0 | Yes | 5504.7MHz,-63.0dBm | Single burst |
| 3 | 72 | 1.0 | 738.0 | Yes | 5508.3MHz,-63.0dBm | Single burst |
| 4 | 65 | 1.0 | 818.0 | Yes | 5513.0MHz,-63.0dBm | Single burst |
| 5 | 92 | 1.0 | 578.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 6 | 57 | 1.0 | 938.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |
| 7 | 62 | 1.0 | 858.0 | Yes | 5486.4MHz,-63.0dBm | Single burst |
| 8 | 99 | 1.0 | 538.0 | Yes | 5493.2MHz,-63.0dBm | Single burst |
| 9 | 95 | 1.0 | 558.0 | Yes | 5495.9MHz,-63.0dBm | Single burst |
| 10 | 70 | 1.0 | 758.0 | Yes | 5501.2MHz,-63.0dBm | Single burst |
| 11 | 81 | 1.0 | 658.0 | Yes | 5502.4MHz,-63.0dBm | Single burst |
| 12 | 89 | 1.0 | 598.0 | Yes | 5504.6MHz,-63.0dBm | Single burst |
| 13 | 68 | 1.0 | 778.0 | Yes | 5506.9MHz,-63.0dBm | Single burst |
| 14 | 61 | 1.0 | 878.0 | Yes | 5512.2MHz,-63.0dBm | Single burst |
| 15 | 67 | 1.0 | 798.0 | Yes | 5514.6MHz,-63.0dBm | Single burst |

| Table 89 - FCC Short Pulse Radar (Type 1B) Results 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 23 | 1.0 | 2350.0 | Yes | 5500.0MHz,-63.0dBm | Single burst |
| 2 | 36 | 1.0 | 1491.0 | Yes | 5501.2MHz,-63.0dBm | Single burst |
| 3 | 29 | 1.0 | 1867.0 | Yes | 5506.6MHz,-63.0dBm | Single burst |
| 4 | 19 | 1.0 | 2867.0 | Yes | 5512.0MHz,-63.0dBm | Single burst |
| 5 | 38 | 1.0 | 1402.0 | Yes | 5514.4MHz,-63.0dBm | Single burst |
| 6 | 25 | 1.0 | 2168.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 7 | 75 | 1.0 | 710.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |
| 8 | 34 | 1.0 | 1584.0 | Yes | 5487.2MHz,-63.0dBm | Single burst |
| 9 | 23 | 1.0 | 2344.0 | Yes | 5491.8MHz,-63.0dBm | Single burst |
| 10 | 41 | 1.0 | 1289.0 | Yes | 5496.9MHz,-63.0dBm | Single burst |
| 11 | 52 | 1.0 | 1033.0 | Yes | 5502.8MHz,-63.0dBm | Single burst |
| 12 | 26 | 1.0 | 2105.0 | Yes | 5506.5MHz,-63.0dBm | Single burst |
| 13 | 19 | 1.0 | 2796.0 | Yes | 5507.8MHz,-63.0dBm | Single burst |

| Table 89 - FCC Short Pulse Radar (Type 1B) Results 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 14 | 23 | 1.0 | 2320.0 | Yes | 5512.6MHz,-63.0dBm | Single burst |
| 15 | 34 | 1.0 | 1599.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |

| Table 90 - FCC Short Pulse Radar (Type 2) Results 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 26 | 3.9 | 204.0 | Yes | 5500.0MHz,-63.0dBm | Single burst |
| 2 | 27 | 2.3 | 151.0 | Yes | 5506.3MHz,-63.0dBm | Single burst |
| 3 | 27 | 2.4 | 207.0 | Yes | 5512.2MHz,-63.0dBm | Single burst |
| 4 | 28 | 3.0 | 168.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 5 | 25 | 1.1 | 191.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |
| 6 | 28 | 1.0 | 157.0 | Yes | 5484.6MHz,-63.0dBm | Single burst |
| 7 | 28 | 4.6 | 204.0 | Yes | 5489.3MHz,-63.0dBm | Single burst |
| 8 | 27 | 2.9 | 188.0 | Yes | 5494.3MHz,-63.0dBm | Single burst |
| 9 | 29 | 2.6 | 207.0 | Yes | 5495.3MHz,-63.0dBm | Single burst |
| 10 | 25 | 2.0 | 222.0 | Yes | 5501.4MHz,-63.0dBm | Single burst |
| 11 | 28 | 2.8 | 187.0 | Yes | 5508.3MHz,-63.0dBm | Single burst |
| 12 | 26 | 4.4 | 172.0 | Yes | 5511.6MHz,-63.0dBm | Single burst |
| 13 | 28 | 3.3 | 175.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 14 | 25 | 2.4 | 222.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |
| 15 | 29 | 1.6 | 150.0 | Yes | 5486.3MHz,-63.0dBm | Single burst |
| 16 | 25 | 1.6 | 190.0 | Yes | 5489.5MHz,-63.0dBm | Single burst |
| 17 | 25 | 2.5 | 205.0 | Yes | 5494.7MHz,-63.0dBm | Single burst |
| 18 | 28 | 3.1 | 157.0 | Yes | 5497.5MHz,-63.0dBm | Single burst |
| 19 | 24 | 1.4 | 183.0 | Yes | 5499.7MHz,-63.0dBm | Single burst |
| 20 | 24 | 2.6 | 180.0 | Yes | 5502.3MHz,-63.0dBm | Single burst |
| 21 | 29 | 3.4 | 214.0 | Yes | 5505.3MHz,-63.0dBm | Single burst |
| 22 | 28 | 1.2 | 185.0 | Yes | 5508.3MHz,-63.0dBm | Single burst |
| 23 | 25 | 1.7 | 222.0 | Yes | 5515.0MHz,-63.0dBm | Single burst |
| 24 | 26 | 4.0 | 162.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 25 | 25 | 1.4 | 195.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |
| 26 | 28 | 1.1 | 172.0 | Yes | 5483.6MHz,-63.0dBm | Single burst |
| 27 | 25 | 4.7 | 197.0 | Yes | 5486.3MHz,-63.0dBm | Single burst |
| 28 | 24 | 4.4 | 188.0 | Yes | 5492.6MHz,-63.0dBm | Single burst |
| 29 | 27 | 2.5 | 185.0 | Yes | 5497.4MHz,-63.0dBm | Single burst |
| 30 | 26 | 2.7 | 208.0 | Yes | 5498.6MHz,-63.0dBm | Single burst |

| Table 91 - FCC Short Pulse Radar (Type 3) Results 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 18 | 9.1 | 366.0 | Yes | 5500.0MHz,-63.0dBm | Single burst |
| 2 | 17 | 6.8 | 459.0 | Yes | 5505.4MHz,-63.0dBm | Single burst |
| 3 | 18 | 8.9 | 262.0 | Yes | 5508.3MHz,-63.0dBm | Single burst |
| 4 | 17 | 6.2 | 327.0 | Yes | 5512.7MHz,-63.0dBm | Single burst |
| 5 | 17 | 9.0 | 279.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 6 | 17 | 6.7 | 482.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |
| 7 | 17 | 9.0 | 434.0 | Yes | 5484.2MHz,-63.0dBm | Single burst |
| 8 | 18 | 7.3 | 474.0 | Yes | 5490.2MHz,-63.0dBm | Single burst |
| 9 | 16 | 6.3 | 410.0 | Yes | 5495.5MHz,-63.0dBm | Single burst |
| 10 | 17 | 6.1 | 466.0 | Yes | 5499.3MHz,-63.0dBm | Single burst |

| Table 91 - FCC Short Pulse Radar (Type 3) Results 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 11 | 16 | 8.8 | 297.0 | Yes | 5504.9MHz,-63.0dBm | Single burst |
| 12 | 16 | 7.3 | 485.0 | Yes | 5510.4MHz,-63.0dBm | Single burst |
| 13 | 16 | 8.2 | 348.0 | Yes | 5513.7MHz,-63.0dBm | Single burst |
| 14 | 17 | 9.3 | 207.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 15 | 18 | 9.8 | 257.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |
| 16 | 17 | 7.1 | 443.0 | Yes | 5484.3MHz,-63.0dBm | Single burst |
| 17 | 17 | 8.7 | 306.0 | Yes | 5489.8MHz,-63.0dBm | Single burst |
| 18 | 18 | 8.9 | 419.0 | Yes | 5492.0MHz,-63.0dBm | Single burst |
| 19 | 18 | 9.0 | 249.0 | Yes | 5498.1MHz,-63.0dBm | Single burst |
| 20 | 16 | 6.3 | 275.0 | Yes | 5502.2MHz,-63.0dBm | Single burst |
| 21 | 17 | 7.1 | 317.0 | Yes | 5503.5MHz,-63.0dBm | Single burst |
| 22 | 18 | 9.0 | 403.0 | Yes | 5505.5MHz,-63.0dBm | Single burst |
| 23 | 17 | 8.7 | 265.0 | Yes | 5511.1MHz,-63.0dBm | Single burst |
| 24 | 17 | 8.0 | 260.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 25 | 16 | 8.4 | 411.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |
| 26 | 17 | 7.6 | 266.0 | Yes | 5488.6MHz,-63.0dBm | Single burst |
| 27 | 17 | 7.3 | 203.0 | Yes | 5494.9MHz,-63.0dBm | Single burst |
| 28 | 17 | 7.5 | 290.0 | Yes | 5500.7MHz,-63.0dBm | Single burst |
| 29 | 16 | 7.6 | 412.0 | Yes | 5502.7MHz,-63.0dBm | Single burst |
| 30 | 17 | 9.4 | 344.0 | Yes | 5506.9MHz,-63.0dBm | Single burst |

| Table 92 - FCC Short Pulse Radar (Type 4) Results 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 12 | 13.7 | 240.0 | Yes | 5500.0MHz,-63.0dBm | Single burst |
| 2 | 15 | 15.9 | 376.0 | Yes | 5501.1MHz,-63.0dBm | Single burst |
| 3 | 13 | 15.6 | 402.0 | Yes | 5502.9MHz,-63.0dBm | Single burst |
| 4 | 14 | 14.6 | 343.0 | Yes | 5508.1MHz,-63.0dBm | Single burst |
| 5 | 16 | 14.7 | 213.0 | Yes | 5514.2MHz,-63.0dBm | Single burst |
| 6 | 15 | 12.1 | 474.0 | Yes | 5515.5MHz,-63.0dBm | Single burst |
| 7 | 15 | 18.8 | 258.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 8 | 12 | 13.2 | 272.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |
| 9 | 15 | 12.5 | 469.0 | Yes | 5483.7MHz,-63.0dBm | Single burst |
| 10 | 14 | 12.1 | 214.0 | Yes | 5486.5MHz,-63.0dBm | Single burst |
| 11 | 13 | 11.1 | 490.0 | Yes | 5491.7MHz,-63.0dBm | Single burst |
| 12 | 14 | 13.7 | 220.0 | Yes | 5498.0MHz,-63.0dBm | Single burst |
| 13 | 16 | 17.1 | 311.0 | Yes | 5503.3MHz,-63.0dBm | Single burst |
| 14 | 13 | 19.2 | 485.0 | Yes | 5510.1MHz,-63.0dBm | Single burst |
| 15 | 12 | 11.6 | 255.0 | Yes | 5511.3MHz,-63.0dBm | Single burst |
| 16 | 12 | 13.4 | 363.0 | Yes | 5515.0MHz,-63.0dBm | Single burst |
| 17 | 14 | 16.8 | 306.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 18 | 14 | 14.7 | 487.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |
| 19 | 15 | 11.6 | 379.0 | Yes | 5486.2MHz,-63.0dBm | Single burst |
| 20 | 16 | 13.4 | 484.0 | Yes | 5488.6MHz,-63.0dBm | Single burst |
| 21 | 15 | 13.1 | 345.0 | Yes | 5489.7MHz,-63.0dBm | Single burst |
| 22 | 15 | 14.3 | 353.0 | Yes | 5492.0MHz,-63.0dBm | Single burst |
| 23 | 16 | 17.4 | 387.0 | Yes | 5494.7MHz,-63.0dBm | Single burst |
| 24 | 13 | 14.9 | 257.0 | Yes | 5500.6MHz,-63.0dBm | Single burst |
| 25 | 14 | 19.3 | 442.0 | Yes | 5502.6MHz,-63.0dBm | Single burst |
| 26 | 15 | 11.7 | 418.0 | Yes | 5506.1MHz,-63.0dBm | Single burst |
| 27 | 15 | 19.0 | 429.0 | Yes | 5510.6MHz,-63.0dBm | Single burst |
| 28 | 14 | 13.0 | 332.0 | Yes | 5515.5MHz,-63.0dBm | Single burst |

| Table 92 - FCC Short Pulse Radar (Type 4) Results 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 29 | 16 | 16.8 | 404.0 | Yes | 5516.5MHz,-63.0dBm | Single burst |
| 30 | 16 | 18.8 | 250.0 | Yes | 5483.5MHz,-63.0dBm | Single burst |

| Table 93 - FCC Long Pulse Radar (Type 5) Waveform Summary 40MHz | | |
|---|---|---|
| FCC Long Pulse Radar (Type 5) Trial | Result | Frequency, Level |
| Trial #1 | Detected | 5500.0MHz,-63.0dBm |
| Trial #2 | Detected | 5500.0MHz,-63.0dBm |
| Trial #3 | Detected | 5500.0MHz,-63.0dBm |
| Trial #4 | Detected | 5500.0MHz,-63.0dBm |
| Trial #5 | Detected | 5500.0MHz,-63.0dBm |
| Trial #6 | Detected | 5500.0MHz,-63.0dBm |
| Trial #7 | Detected | 5500.0MHz,-63.0dBm |
| Trial #8 | Detected | 5500.0MHz,-63.0dBm |
| Trial #9 | Detected | 5500.0MHz,-63.0dBm |
| Trial #10 | Detected | 5500.0MHz,-63.0dBm |
| Trial #11 | Detected | 5490.7MHz,-63.0dBm |
| Trial #12 | Detected | 5487.9MHz,-63.0dBm |
| Trial #13 | Detected | 5491.1MHz,-63.0dBm |
| Trial #14 | Detected | 5490.3MHz,-63.0dBm |
| Trial #15 | Detected | 5491.1MHz,-63.0dBm |
| Trial #16 | Detected | 5487.5MHz,-63.0dBm |
| Trial #17 | Detected | 5487.9MHz,-63.0dBm |
| Trial #18 | Detected | 5489.1MHz,-63.0dBm |
| Trial #19 | Detected | 5485.9MHz,-63.0dBm |
| Trial #20 | Detected | 5488.3MHz,-63.0dBm |
| Trial #21 | Detected | 5513.7MHz,-63.0dBm |
| Trial #22 | Detected | 5514.5MHz,-63.0dBm |
| Trial #23 | Detected | 5514.1MHz,-63.0dBm |
| Trial #24 | Detected | 5513.7MHz,-63.0dBm |
| Trial #25 | Detected | 5513.7MHz,-63.0dBm |
| Trial #26 | Detected | 5512.9MHz,-63.0dBm |
| Trial #27 | Detected | 5510.9MHz,-63.0dBm |
| Trial #28 | Detected | 5509.7MHz,-63.0dBm |
| Trial #29 | Detected | 5512.9MHz,-63.0dBm |
| Trial #30 | Detected | 5508.9MHz,-63.0dBm |

| Table 94 - FCC Long Pulse Radar (Type 5) Waveform Trial#1 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 69.1 | 17 | 1687.0 | - | 0.097520 |
| 2 | 2 | 78.4 | 17 | 1946.0 | - | 1.103397 |
| 3 | 2 | 70.8 | 17 | 1387.0 | - | 1.760255 |
| 4 | 1 | 57.3 | 17 | - | - | 2.419568 |
| 5 | 2 | 61.3 | 17 | 1206.0 | - | 3.278732 |
| 6 | 2 | 51.1 | 17 | 1973.0 | - | 3.879536 |
| 7 | 1 | 73.9 | 17 | - | - | 4.815475 |
| 8 | 2 | 89.3 | 17 | 1151.0 | - | 5.446253 |
| 9 | 2 | 89.1 | 17 | 1914.0 | - | 6.160000 |

| Table 94 - FCC Long Pulse Radar (Type 5) Waveform Trial#1 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 10 | 1 | 92.3 | 17 | - | - | 6.531453 |
| 11 | 3 | 77.1 | 17 | 1761.0 | 1315.0 | 7.177342 |
| 12 | 2 | 64.1 | 17 | 1885.0 | - | 8.086639 |
| 13 | 2 | 52.1 | 17 | 1745.0 | - | 8.879524 |
| 14 | 2 | 94.9 | 17 | 1543.0 | - | 9.369413 |
| 15 | 2 | 95.6 | 17 | 1602.0 | - | 10.178030 |
| 16 | 2 | 95.4 | 17 | 1432.0 | - | 10.797864 |
| 17 | 2 | 94.2 | 17 | 1808.0 | - | 11.306687 |

| Table 95 - FCC Long Pulse Radar (Type 5) Waveform Trial#2 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 71.4 | 12 | 1904.0 | 1218.0 | 0.159535 |
| 2 | 2 | 56.9 | 12 | 1409.0 | - | 1.375078 |
| 3 | 1 | 94.7 | 12 | - | - | 2.005959 |
| 4 | 1 | 80.0 | 12 | - | - | 2.971645 |
| 5 | 3 | 78.5 | 12 | 1762.0 | 1352.0 | 3.490345 |
| 6 | 3 | 53.6 | 12 | 1510.0 | 1240.0 | 5.134105 |
| 7 | 1 | 74.1 | 12 | - | - | 5.664801 |
| 8 | 3 | 95.4 | 12 | 1550.0 | 1704.0 | 6.229536 |
| 9 | 2 | 61.4 | 12 | 1546.0 | - | 7.611664 |
| 10 | 2 | 73.9 | 12 | 1571.0 | - | 8.297679 |
| 11 | 2 | 90.9 | 12 | 1520.0 | - | 9.174039 |
| 12 | 2 | 87.6 | 12 | 1083.0 | - | 10.054107 |
| 13 | 2 | 51.6 | 12 | 1557.0 | - | 10.305940 |
| 14 | 2 | 67.8 | 12 | 1322.0 | - | 11.527946 |

| Table 96 - FCC Long Pulse Radar (Type 5) Waveform Trial#3 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 87.8 | 8 | 1518.0 | - | 0.284363 |
| 2 | 1 | 99.1 | 8 | - | - | 0.750052 |
| 3 | 1 | 86.2 | 8 | - | - | 1.544517 |
| 4 | 2 | 56.5 | 8 | 1965.0 | - | 2.345964 |
| 5 | 2 | 93.0 | 8 | 1550.0 | - | 2.859133 |
| 6 | 3 | 59.6 | 8 | 1982.0 | 1035.0 | 3.256545 |
| 7 | 2 | 94.9 | 8 | 1599.0 | - | 4.030311 |
| 8 | 2 | 66.0 | 8 | 1798.0 | - | 4.554157 |
| 9 | 3 | 89.7 | 8 | 1360.0 | 1559.0 | 5.649762 |
| 10 | 1 | 80.9 | 8 | - | - | 6.073949 |
| 11 | 2 | 94.2 | 8 | 1407.0 | - | 6.861524 |
| 12 | 3 | 91.2 | 8 | 1362.0 | 1475.0 | 7.482049 |
| 13 | 1 | 54.7 | 8 | - | - | 7.971118 |
| 14 | 2 | 97.7 | 8 | 1935.0 | - | 8.420128 |
| 15 | 1 | 96.1 | 8 | - | - | 8.858650 |
| 16 | 3 | 69.1 | 8 | 1221.0 | 1234.0 | 9.634963 |
| 17 | 2 | 96.2 | 8 | 1442.0 | - | 10.339083 |
| 18 | 3 | 97.8 | 8 | 1061.0 | 1406.0 | 10.811600 |
| 19 | 2 | 76.2 | 8 | 1960.0 | - | 11.529963 |

| Table 97 - FCC Long Pulse Radar (Type 5) Waveform Trial#4 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 56.2 | 11 | 1645.0 | 1720.0 | 0.244498 |
| 2 | 1 | 67.9 | 11 | - | - | 1.314789 |
| 3 | 2 | 82.3 | 11 | 1489.0 | - | 1.911235 |
| 4 | 2 | 74.1 | 11 | 1567.0 | - | 2.696142 |
| 5 | 2 | 53.9 | 11 | 1972.0 | - | 3.250366 |
| 6 | 3 | 91.9 | 11 | 1350.0 | 1030.0 | 3.975045 |
| 7 | 2 | 66.4 | 11 | 1621.0 | - | 4.663069 |
| 8 | 2 | 80.8 | 11 | 1742.0 | - | 5.660685 |
| 9 | 1 | 57.8 | 11 | - | - | 6.400265 |
| 10 | 2 | 94.8 | 11 | 1280.0 | - | 7.307471 |
| 11 | 1 | 75.1 | 11 | - | - | 8.121492 |
| 12 | 1 | 76.3 | 11 | - | - | 8.632120 |
| 13 | 3 | 97.6 | 11 | 1604.0 | 1655.0 | 9.403130 |
| 14 | 2 | 92.4 | 11 | 1162.0 | - | 10.123966 |
| 15 | 2 | 70.4 | 11 | 1521.0 | - | 11.068410 |
| 16 | 2 | 54.1 | 11 | 1458.0 | - | 11.516487 |

| Table 98 - FCC Long Pulse Radar (Type 5) Waveform Trial#5 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 99.2 | 10 | 1018.0 | 1693.0 | 0.102445 |
| 2 | 3 | 90.4 | 10 | 1008.0 | 1048.0 | 0.893374 |
| 3 | 2 | 54.0 | 10 | 1961.0 | - | 1.919428 |
| 4 | 1 | 91.2 | 10 | - | - | 2.732252 |
| 5 | 3 | 61.9 | 10 | 1297.0 | 1106.0 | 3.308268 |
| 6 | 3 | 57.7 | 10 | 1247.0 | 1009.0 | 4.421937 |
| 7 | 2 | 56.7 | 10 | 1133.0 | - | 4.852543 |
| 8 | 2 | 98.0 | 10 | 1258.0 | - | 6.287629 |
| 9 | 1 | 89.5 | 10 | - | - | 6.427417 |
| 10 | 2 | 71.2 | 10 | 1816.0 | - | 7.844234 |
| 11 | 3 | 65.1 | 10 | 1953.0 | 1348.0 | 8.110277 |
| 12 | 2 | 75.7 | 10 | 1789.0 | - | 9.559812 |
| 13 | 2 | 70.9 | 10 | 1876.0 | - | 9.918985 |
| 14 | 3 | 51.8 | 10 | 1653.0 | 1686.0 | 10.559298 |
| 15 | 3 | 76.0 | 10 | 1534.0 | 1848.0 | 11.810404 |

| Table 99 - FCC Long Pulse Radar (Type 5) Waveform Trial#6 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 55.9 | 13 | 1273.0 | - | 0.182033 |
| 2 | 3 | 86.3 | 13 | 1601.0 | 1278.0 | 1.716565 |
| 3 | 2 | 83.4 | 13 | 1152.0 | - | 2.918449 |
| 4 | 2 | 55.4 | 13 | 1992.0 | - | 3.934618 |
| 5 | 2 | 94.5 | 13 | 1216.0 | - | 5.023196 |
| 6 | 1 | 75.6 | 13 | - | - | 7.001866 |
| 7 | 3 | 93.6 | 13 | 1530.0 | 1866.0 | 8.043988 |
| 8 | 3 | 63.5 | 13 | 1756.0 | 1732.0 | 8.716620 |
| 9 | 2 | 76.5 | 13 | 1467.0 | - | 9.656910 |
| 10 | 1 | 75.6 | 13 | - | - | 11.159275 |

**Table 100 - FCC Long Pulse Radar (Type 5) Waveform Trial#7 (Detected) 40MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 2 | 66.6 | 12 | 1690.0 | - | 0.333392 |
| 2 | 1 | 54.3 | 12 | - | - | 0.922941 |
| 3 | 1 | 79.0 | 12 | - | - | 1.429960 |
| 4 | 1 | 99.5 | 12 | - | - | 2.554470 |
| 5 | 3 | 97.5 | 12 | 1189.0 | 1322.0 | 3.167908 |
| 6 | 3 | 88.0 | 12 | 1710.0 | 1246.0 | 3.378008 |
| 7 | 2 | 57.0 | 12 | 1093.0 | - | 4.146614 |
| 8 | 1 | 94.4 | 12 | - | - | 5.220532 |
| 9 | 2 | 62.4 | 12 | 1325.0 | - | 5.759767 |
| 10 | 1 | 82.1 | 12 | - | - | 6.519009 |
| 11 | 3 | 52.1 | 12 | 1522.0 | 1688.0 | 7.176813 |
| 12 | 2 | 65.6 | 12 | 1984.0 | - | 7.819409 |
| 13 | 2 | 78.3 | 12 | 1513.0 | - | 8.054907 |
| 14 | 1 | 72.5 | 12 | - | - | 9.101264 |
| 15 | 2 | 80.2 | 12 | 1417.0 | - | 9.362804 |
| 16 | 3 | 88.2 | 12 | 1097.0 | 1345.0 | 10.633225 |
| 17 | 2 | 61.9 | 12 | 1526.0 | - | 10.767520 |
| 18 | 2 | 86.3 | 12 | 1762.0 | - | 11.809142 |

**Table 101 - FCC Long Pulse Radar (Type 5) Waveform Trial#8 (Detected) 40MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 2 | 80.9 | 14 | 1586.0 | - | 0.678326 |
| 2 | 3 | 61.5 | 14 | 1397.0 | 1946.0 | 1.850730 |
| 3 | 2 | 99.5 | 14 | 1013.0 | - | 2.287717 |
| 4 | 2 | 53.6 | 14 | 1811.0 | - | 3.443632 |
| 5 | 3 | 56.4 | 14 | 1465.0 | 1856.0 | 4.722430 |
| 6 | 2 | 85.4 | 14 | 1950.0 | - | 5.407230 |
| 7 | 3 | 90.6 | 14 | 1881.0 | 1835.0 | 6.755520 |
| 8 | 1 | 85.6 | 14 | - | - | 7.271694 |
| 9 | 1 | 51.8 | 14 | - | - | 8.407987 |
| 10 | 2 | 97.4 | 14 | 1031.0 | - | 9.022691 |
| 11 | 2 | 61.2 | 14 | 1496.0 | - | 10.313556 |
| 12 | 2 | 87.5 | 14 | 1292.0 | - | 11.328040 |

**Table 102 - FCC Long Pulse Radar (Type 5) Waveform Trial#9 (Detected) 40MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 1 | 94.8 | 14 | - | - | 1.133314 |
| 2 | 1 | 82.6 | 14 | - | - | 1.946582 |
| 3 | 2 | 69.5 | 14 | 1590.0 | - | 3.944980 |
| 4 | 2 | 56.1 | 14 | 1152.0 | - | 5.490149 |
| 5 | 2 | 92.0 | 14 | 1478.0 | - | 6.742242 |
| 6 | 3 | 50.5 | 14 | 1585.0 | 1812.0 | 8.840391 |
| 7 | 2 | 71.4 | 14 | 1852.0 | - | 9.271675 |
| 8 | 2 | 84.6 | 14 | 1872.0 | - | 10.566104 |

**Table 103 - FCC Long Pulse Radar (Type 5) Waveform Trial#10 (Detected) 40MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 1 | 80.8 | 16 | - | - | 1.367867 |
| 2 | 2 | 92.7 | 16 | 1974.0 | - | 1.998873 |
| 3 | 2 | 98.3 | 16 | 1458.0 | - | 4.369029 |
| 4 | 2 | 62.2 | 16 | 1366.0 | - | 4.826840 |
| 5 | 3 | 79.9 | 16 | 1505.0 | 1669.0 | 6.907161 |
| 6 | 2 | 84.8 | 16 | 1800.0 | - | 8.458466 |
| 7 | 2 | 56.1 | 16 | 1493.0 | - | 9.540690 |
| 8 | 3 | 87.2 | 16 | 1902.0 | 1291.0 | 11.233710 |

**Table 104 - FCC Long Pulse Radar (Type 5) Waveform Trial#11 (Detected) 40MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 3 | 51.6 | 18 | 1036.0 | 1432.0 | 0.592618 |
| 2 | 2 | 91.2 | 18 | 1182.0 | - | 0.996592 |
| 3 | 1 | 72.6 | 18 | - | - | 1.892327 |
| 4 | 3 | 54.3 | 18 | 1756.0 | 1256.0 | 2.250519 |
| 5 | 2 | 75.7 | 18 | 1450.0 | - | 2.730800 |
| 6 | 2 | 91.1 | 18 | 1156.0 | - | 3.507896 |
| 7 | 3 | 55.1 | 18 | 1507.0 | 1025.0 | 4.159517 |
| 8 | 2 | 83.7 | 18 | 1755.0 | - | 4.657783 |
| 9 | 2 | 80.5 | 18 | 1535.0 | - | 5.134598 |
| 10 | 2 | 50.4 | 18 | 1809.0 | - | 6.052932 |
| 11 | 1 | 79.1 | 18 | - | - | 6.502104 |
| 12 | 1 | 95.9 | 18 | - | - | 7.554957 |
| 13 | 1 | 79.3 | 18 | - | - | 7.661024 |
| 14 | 2 | 86.7 | 18 | 1515.0 | - | 8.511663 |
| 15 | 1 | 99.6 | 18 | - | - | 8.892699 |
| 16 | 1 | 79.4 | 18 | - | - | 9.548307 |
| 17 | 2 | 99.8 | 18 | 1527.0 | - | 10.465621 |
| 18 | 1 | 84.9 | 18 | - | - | 10.859467 |
| 19 | 3 | 55.8 | 18 | 1649.0 | 1366.0 | 11.870233 |

**Table 105 - FCC Long Pulse Radar (Type 5) Waveform Trial#12 (Detected) 40MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 1 | 78.1 | 11 | - | - | 0.667530 |
| 2 | 1 | 78.8 | 11 | - | - | 1.681297 |
| 3 | 3 | 82.0 | 11 | 1248.0 | 1952.0 | 1.974403 |
| 4 | 1 | 80.5 | 11 | - | - | 3.322961 |
| 5 | 2 | 85.2 | 11 | 1958.0 | - | 3.820298 |
| 6 | 2 | 55.7 | 11 | 1750.0 | - | 4.524626 |
| 7 | 1 | 82.1 | 11 | - | - | 5.188759 |
| 8 | 3 | 64.7 | 11 | 1633.0 | 1518.0 | 6.362342 |
| 9 | 2 | 71.8 | 11 | 1117.0 | - | 7.124221 |
| 10 | 2 | 70.4 | 11 | 1296.0 | - | 8.517501 |
| 11 | 1 | 62.5 | 11 | - | - | 9.195377 |
| 12 | 2 | 96.4 | 11 | 1686.0 | - | 10.254944 |
| 13 | 3 | 90.9 | 11 | 1720.0 | 1608.0 | 10.735946 |
| 14 | 2 | 55.8 | 11 | 1855.0 | - | 11.750193 |

**Table 106 - FCC Long Pulse Radar (Type 5) Waveform Trial#13 (Detected) 40MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 3 | 78.0 | 19 | 1775.0 | 1841.0 | 0.142471 |
| 2 | 2 | 86.1 | 19 | 1904.0 | - | 2.137886 |
| 3 | 1 | 85.6 | 19 | - | - | 3.278339 |
| 4 | 3 | 78.0 | 19 | 1534.0 | 1966.0 | 4.700890 |
| 5 | 3 | 88.1 | 19 | 1557.0 | 1196.0 | 5.859470 |
| 6 | 1 | 71.8 | 19 | - | - | 6.529294 |
| 7 | 3 | 82.7 | 19 | 1746.0 | 1484.0 | 7.997928 |
| 8 | 1 | 92.2 | 19 | - | - | 9.489087 |
| 9 | 2 | 84.6 | 19 | 1489.0 | - | 10.263506 |
| 10 | 2 | 68.3 | 19 | 1595.0 | - | 11.486635 |

**Table 107 - FCC Long Pulse Radar (Type 5) Waveform Trial#14 (Detected) 40MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 2 | 88.1 | 17 | 1502.0 | - | 0.076382 |
| 2 | 3 | 54.0 | 17 | 1441.0 | 1890.0 | 0.928970 |
| 3 | 2 | 66.2 | 17 | 1868.0 | - | 1.866875 |
| 4 | 2 | 50.3 | 17 | 1972.0 | - | 2.462808 |
| 5 | 3 | 58.0 | 17 | 1016.0 | 1013.0 | 3.239107 |
| 6 | 3 | 52.6 | 17 | 1064.0 | 1287.0 | 3.611991 |
| 7 | 2 | 87.5 | 17 | 1640.0 | - | 4.706382 |
| 8 | 3 | 90.5 | 17 | 1123.0 | 1208.0 | 5.332799 |
| 9 | 1 | 50.8 | 17 | - | - | 6.092320 |
| 10 | 2 | 81.8 | 17 | 1970.0 | - | 6.916951 |
| 11 | 3 | 84.3 | 17 | 1185.0 | 1296.0 | 7.395372 |
| 12 | 3 | 62.5 | 17 | 1833.0 | 1319.0 | 8.327870 |
| 13 | 2 | 89.1 | 17 | 1786.0 | - | 9.031866 |
| 14 | 1 | 68.4 | 17 | - | - | 9.179708 |
| 15 | 2 | 96.7 | 17 | 1859.0 | - | 10.041481 |
| 16 | 1 | 68.0 | 17 | - | - | 11.029218 |
| 17 | 3 | 95.7 | 17 | 1729.0 | 1799.0 | 11.839336 |

**Table 108 - FCC Long Pulse Radar (Type 5) Waveform Trial#15 (Detected) 40MHz**

| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
|---|---|---|---|---|---|---|
| 1 | 1 | 53.3 | 19 | - | - | 0.213509 |
| 2 | 1 | 60.0 | 19 | - | - | 1.137865 |
| 3 | 3 | 70.7 | 19 | 1262.0 | 1361.0 | 1.477848 |
| 4 | 2 | 60.5 | 19 | 1560.0 | - | 2.500517 |
| 5 | 3 | 79.5 | 19 | 1506.0 | 1744.0 | 2.811440 |
| 6 | 2 | 77.3 | 19 | 1669.0 | - | 3.392574 |
| 7 | 2 | 68.8 | 19 | 1515.0 | - | 4.021518 |
| 8 | 1 | 68.9 | 19 | - | - | 4.868650 |
| 9 | 3 | 77.7 | 19 | 1170.0 | 1855.0 | 5.470287 |
| 10 | 2 | 56.2 | 19 | 1138.0 | - | 6.303539 |
| 11 | 2 | 91.4 | 19 | 1518.0 | - | 7.258323 |
| 12 | 3 | 59.8 | 19 | 1373.0 | 1809.0 | 7.905454 |
| 13 | 2 | 52.8 | 19 | 1254.0 | - | 8.393677 |
| 14 | 2 | 60.3 | 19 | 1080.0 | - | 8.961611 |
| 15 | 2 | 74.0 | 19 | 1765.0 | - | 9.491067 |
| 16 | 2 | 97.5 | 19 | 1580.0 | - | 10.320862 |
| 17 | 3 | 75.8 | 19 | 1616.0 | 1326.0 | 10.837088 |

| Table 108 - FCC Long Pulse Radar (Type 5) Waveform Trial#15 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 18 | 2 | 55.1 | 19 | 1952.0 | - | 11.563739 |

| Table 109 - FCC Long Pulse Radar (Type 5) Waveform Trial#16 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 85.9 | 10 | 1451.0 | - | 0.164906 |
| 2 | 3 | 76.4 | 10 | 1775.0 | 1997.0 | 2.311421 |
| 3 | 2 | 66.1 | 10 | 1951.0 | - | 3.001111 |
| 4 | 1 | 71.2 | 10 | - | - | 4.918615 |
| 5 | 3 | 56.2 | 10 | 1147.0 | 1946.0 | 5.681341 |
| 6 | 1 | 61.2 | 10 | - | - | 7.628297 |
| 7 | 2 | 78.1 | 10 | 1516.0 | - | 8.412374 |
| 8 | 2 | 83.6 | 10 | 1999.0 | - | 10.433773 |
| 9 | 3 | 51.3 | 10 | 1368.0 | 1798.0 | 11.986752 |

| Table 110 - FCC Long Pulse Radar (Type 5) Waveform Trial#17 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 56.5 | 11 | 1057.0 | - | 0.499372 |
| 2 | 3 | 96.3 | 11 | 1801.0 | 1628.0 | 2.191428 |
| 3 | 1 | 50.7 | 11 | - | - | 2.525577 |
| 4 | 1 | 53.2 | 11 | - | - | 4.202678 |
| 5 | 2 | 89.4 | 11 | 1318.0 | - | 5.952999 |
| 6 | 2 | 90.2 | 11 | 1403.0 | - | 6.721189 |
| 7 | 2 | 63.4 | 11 | 1135.0 | - | 7.485159 |
| 8 | 2 | 51.2 | 11 | 1687.0 | - | 8.779755 |
| 9 | 2 | 81.3 | 11 | 1593.0 | - | 10.541338 |
| 10 | 2 | 52.1 | 11 | 1010.0 | - | 10.836890 |

| Table 111 - FCC Long Pulse Radar (Type 5) Waveform Trial#18 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 87.0 | 14 | 1987.0 | - | 0.301616 |
| 2 | 1 | 74.1 | 14 | - | - | 0.753588 |
| 3 | 2 | 73.7 | 14 | 1289.0 | - | 2.043946 |
| 4 | 3 | 58.7 | 14 | 1888.0 | 1241.0 | 2.524211 |
| 5 | 1 | 88.7 | 14 | - | - | 3.349212 |
| 6 | 2 | 59.6 | 14 | 1099.0 | - | 3.575407 |
| 7 | 3 | 81.2 | 14 | 1008.0 | 1826.0 | 4.579151 |
| 8 | 2 | 56.1 | 14 | 1962.0 | - | 5.640718 |
| 9 | 3 | 98.8 | 14 | 1347.0 | 1604.0 | 6.271345 |
| 10 | 1 | 81.2 | 14 | - | - | 6.593040 |
| 11 | 1 | 63.0 | 14 | - | - | 7.388389 |
| 12 | 3 | 78.6 | 14 | 1976.0 | 1912.0 | 7.808229 |
| 13 | 3 | 70.5 | 14 | 1114.0 | 1817.0 | 8.975633 |
| 14 | 2 | 73.8 | 14 | 1412.0 | - | 9.709243 |
| 15 | 3 | 74.0 | 14 | 1210.0 | 1736.0 | 10.153031 |
| 16 | 3 | 50.1 | 14 | 1809.0 | 1884.0 | 11.066286 |
| 17 | 3 | 81.6 | 14 | 1043.0 | 1780.0 | 11.424023 |

| Table 112 - FCC Long Pulse Radar (Type 5) Waveform Trial#19 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 84.0 | 6 | - | - | 0.214239 |
| 2 | 2 | 56.5 | 6 | 1856.0 | - | 0.836557 |
| 3 | 2 | 70.3 | 6 | 1616.0 | - | 1.535300 |
| 4 | 2 | 77.7 | 6 | 1588.0 | - | 2.591236 |
| 5 | 2 | 90.2 | 6 | 1677.0 | - | 3.518058 |
| 6 | 2 | 97.7 | 6 | 1079.0 | - | 4.023122 |
| 7 | 2 | 95.3 | 6 | 1877.0 | - | 4.595969 |
| 8 | 3 | 92.8 | 6 | 1748.0 | 1579.0 | 5.540319 |
| 9 | 3 | 50.5 | 6 | 1652.0 | 1464.0 | 6.244042 |
| 10 | 3 | 69.5 | 6 | 1648.0 | 1471.0 | 6.809698 |
| 11 | 1 | 50.3 | 6 | - | - | 7.600759 |
| 12 | 3 | 56.4 | 6 | 1647.0 | 1559.0 | 7.883049 |
| 13 | 2 | 92.1 | 6 | 1192.0 | - | 8.891835 |
| 14 | 3 | 76.5 | 6 | 1737.0 | 1810.0 | 9.320085 |
| 15 | 2 | 93.2 | 6 | 1893.0 | - | 9.929953 |
| 16 | 2 | 55.7 | 6 | 1095.0 | - | 10.863413 |
| 17 | 1 | 75.9 | 6 | - | - | 11.534889 |

| Table 113 - FCC Long Pulse Radar (Type 5) Waveform Trial#20 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 74.6 | 12 | 1882.0 | - | 0.445964 |
| 2 | 3 | 50.3 | 12 | 1464.0 | 1538.0 | 0.603605 |
| 3 | 2 | 54.2 | 12 | 1094.0 | - | 1.280653 |
| 4 | 2 | 78.9 | 12 | 1785.0 | - | 2.333425 |
| 5 | 1 | 91.5 | 12 | - | - | 2.513597 |
| 6 | 2 | 94.4 | 12 | 1658.0 | - | 3.199293 |
| 7 | 2 | 52.8 | 12 | 1982.0 | - | 3.725829 |
| 8 | 3 | 75.1 | 12 | 1978.0 | 1946.0 | 4.682013 |
| 9 | 1 | 71.6 | 12 | - | - | 5.348494 |
| 10 | 2 | 88.7 | 12 | 1819.0 | - | 5.509854 |
| 11 | 2 | 79.2 | 12 | 1131.0 | - | 6.225645 |
| 12 | 1 | 73.2 | 12 | - | - | 7.093589 |
| 13 | 1 | 59.7 | 12 | - | - | 7.707424 |
| 14 | 2 | 83.9 | 12 | 1313.0 | - | 8.057901 |
| 15 | 2 | 70.2 | 12 | 1275.0 | - | 8.499191 |
| 16 | 1 | 91.7 | 12 | - | - | 9.450712 |
| 17 | 1 | 66.5 | 12 | - | - | 9.963219 |
| 18 | 1 | 94.9 | 12 | - | - | 10.789059 |
| 19 | 2 | 78.9 | 12 | 1724.0 | - | 11.311052 |
| 20 | 3 | 61.0 | 12 | 1627.0 | 1134.0 | 11.641492 |

| Table 114 - FCC Long Pulse Radar (Type 5) Waveform Trial#21 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 1 | 98.5 | 7 | - | - | 0.593675 |
| 2 | 2 | 73.4 | 7 | 1033.0 | - | 1.354209 |
| 3 | 2 | 57.8 | 7 | 1844.0 | - | 2.494455 |
| 4 | 3 | 71.4 | 7 | 1396.0 | 1482.0 | 2.602528 |

| Table 114 - FCC Long Pulse Radar (Type 5) Waveform Trial#21 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 5 | 2 | 69.8 | 7 | 1538.0 | - | 3.794888 |
| 6 | 3 | 89.7 | 7 | 1026.0 | 1348.0 | 5.021090 |
| 7 | 1 | 58.7 | 7 | - | - | 5.180736 |
| 8 | 2 | 68.0 | 7 | 1259.0 | - | 6.478269 |
| 9 | 2 | 82.2 | 7 | 1368.0 | - | 7.687500 |
| 10 | 3 | 83.1 | 7 | 1407.0 | 1244.0 | 7.755731 |
| 11 | 2 | 55.2 | 7 | 1003.0 | - | 9.087760 |
| 12 | 1 | 86.1 | 7 | - | - | 9.853766 |
| 13 | 3 | 81.3 | 7 | 1989.0 | 1240.0 | 11.037129 |
| 14 | 2 | 64.7 | 7 | 1553.0 | - | 11.449933 |

| Table 115 - FCC Long Pulse Radar (Type 5) Waveform Trial#22 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 75.8 | 5 | 1898.0 | - | 0.707486 |
| 2 | 3 | 66.9 | 5 | 1047.0 | 1147.0 | 1.125360 |
| 3 | 3 | 84.5 | 5 | 1572.0 | 1512.0 | 1.962943 |
| 4 | 3 | 76.3 | 5 | 1599.0 | 1445.0 | 3.134153 |
| 5 | 2 | 88.0 | 5 | 1068.0 | - | 3.533228 |
| 6 | 1 | 52.8 | 5 | - | - | 4.740684 |
| 7 | 2 | 54.7 | 5 | 1644.0 | - | 4.945161 |
| 8 | 1 | 76.4 | 5 | - | - | 6.037800 |
| 9 | 2 | 78.6 | 5 | 1709.0 | - | 6.588899 |
| 10 | 2 | 53.9 | 5 | 1884.0 | - | 7.506414 |
| 11 | 3 | 94.0 | 5 | 1954.0 | 1806.0 | 8.372430 |
| 12 | 2 | 78.8 | 5 | 1633.0 | - | 9.385142 |
| 13 | 2 | 54.0 | 5 | 1886.0 | - | 9.850723 |
| 14 | 3 | 96.7 | 5 | 1965.0 | 1987.0 | 10.463374 |
| 15 | 2 | 72.9 | 5 | 1935.0 | - | 11.493870 |

| Table 116 - FCC Long Pulse Radar (Type 5) Waveform Trial#23 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 62.1 | 6 | 1118.0 | - | 0.072879 |
| 2 | 3 | 60.5 | 6 | 1540.0 | 1390.0 | 0.773829 |
| 3 | 2 | 88.3 | 6 | 1900.0 | - | 1.215057 |
| 4 | 1 | 65.8 | 6 | - | - | 1.963197 |
| 5 | 3 | 70.2 | 6 | 1185.0 | 1276.0 | 2.461119 |
| 6 | 2 | 73.8 | 6 | 1359.0 | - | 3.116206 |
| 7 | 1 | 80.6 | 6 | - | - | 3.798729 |
| 8 | 2 | 55.2 | 6 | 1428.0 | - | 4.365534 |
| 9 | 1 | 75.0 | 6 | - | - | 4.975172 |
| 10 | 2 | 67.1 | 6 | 1978.0 | - | 5.926356 |
| 11 | 2 | 54.1 | 6 | 1301.0 | - | 6.302614 |
| 12 | 2 | 82.2 | 6 | 1592.0 | - | 6.618410 |
| 13 | 2 | 74.5 | 6 | 1360.0 | - | 7.765879 |
| 14 | 1 | 73.0 | 6 | - | - | 8.231257 |
| 15 | 3 | 90.6 | 6 | 1658.0 | 1601.0 | 8.736568 |
| 16 | 3 | 86.4 | 6 | 1986.0 | 1524.0 | 9.178659 |
| 17 | 2 | 69.1 | 6 | 1035.0 | - | 9.676845 |

| Table 116 - FCC Long Pulse Radar (Type 5) Waveform Trial#23 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 18 | 1 | 85.7 | 6 | - | - | 10.320651 |
| 19 | 1 | 71.3 | 6 | - | - | 11.343539 |
| 20 | 3 | 83.1 | 6 | 1247.0 | 1862.0 | 11.978005 |

| Table 117 - FCC Long Pulse Radar (Type 5) Waveform Trial#24 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 74.9 | 7 | 1081.0 | - | 0.192920 |
| 2 | 2 | 98.4 | 7 | 1450.0 | - | 1.996516 |
| 3 | 2 | 65.4 | 7 | 1064.0 | - | 2.154323 |
| 4 | 2 | 74.2 | 7 | 1009.0 | - | 3.851586 |
| 5 | 1 | 70.0 | 7 | - | - | 4.922447 |
| 6 | 2 | 82.5 | 7 | 1283.0 | - | 5.985768 |
| 7 | 2 | 69.1 | 7 | 1576.0 | - | 6.577312 |
| 8 | 2 | 67.5 | 7 | 1361.0 | - | 7.979352 |
| 9 | 1 | 53.3 | 7 | - | - | 8.637493 |
| 10 | 2 | 89.0 | 7 | 1655.0 | - | 9.865834 |
| 11 | 3 | 82.4 | 7 | 1377.0 | 1614.0 | 10.377008 |
| 12 | 2 | 93.2 | 7 | 1857.0 | - | 11.548012 |

| Table 118 - FCC Long Pulse Radar (Type 5) Waveform Trial#25 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 93.1 | 7 | 1536.0 | - | 0.260691 |
| 2 | 2 | 50.9 | 7 | 1572.0 | - | 0.866080 |
| 3 | 1 | 54.7 | 7 | - | - | 2.389267 |
| 4 | 3 | 59.2 | 7 | 1664.0 | 1061.0 | 3.173876 |
| 5 | 1 | 60.8 | 7 | - | - | 3.892370 |
| 6 | 1 | 90.9 | 7 | - | - | 4.760391 |
| 7 | 3 | 95.7 | 7 | 1661.0 | 1510.0 | 5.507571 |
| 8 | 2 | 77.5 | 7 | 1623.0 | - | 5.995817 |
| 9 | 3 | 79.9 | 7 | 1384.0 | 1484.0 | 7.058428 |
| 10 | 2 | 54.9 | 7 | 1731.0 | - | 7.313565 |
| 11 | 1 | 70.0 | 7 | - | - | 8.564299 |
| 12 | 2 | 68.0 | 7 | 1179.0 | - | 9.216338 |
| 13 | 2 | 95.9 | 7 | 1072.0 | - | 10.094001 |
| 14 | 1 | 94.0 | 7 | - | - | 11.172731 |
| 15 | 3 | 54.2 | 7 | 1885.0 | 1655.0 | 11.612862 |

| Table 119 - FCC Long Pulse Radar (Type 5) Waveform Trial#26 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 55.8 | 9 | 1093.0 | - | 0.453196 |
| 2 | 1 | 57.1 | 9 | - | - | 1.172066 |
| 3 | 1 | 73.2 | 9 | - | - | 2.196643 |
| 4 | 2 | 58.8 | 9 | 1957.0 | - | 2.651654 |
| 5 | 2 | 71.9 | 9 | 1484.0 | - | 3.611334 |
| 6 | 2 | 79.7 | 9 | 1302.0 | - | 4.350393 |
| 7 | 1 | 78.8 | 9 | - | - | 4.870987 |

| Table 119 - FCC Long Pulse Radar (Type 5) Waveform Trial#26 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 8 | 3 | 85.3 | 9 | 1118.0 | 1814.0 | 5.547538 |
| 9 | 1 | 95.9 | 9 | - | - | 6.277571 |
| 10 | 2 | 80.2 | 9 | 1175.0 | - | 6.847594 |
| 11 | 2 | 52.4 | 9 | 1965.0 | - | 8.078871 |
| 12 | 3 | 62.1 | 9 | 1504.0 | 1548.0 | 8.963732 |
| 13 | 2 | 71.1 | 9 | 1975.0 | - | 9.701026 |
| 14 | 2 | 59.4 | 9 | 1420.0 | - | 10.116501 |
| 15 | 2 | 66.2 | 9 | 1552.0 | - | 10.680558 |
| 16 | 1 | 66.9 | 9 | - | - | 11.644144 |

| Table 120 - FCC Long Pulse Radar (Type 5) Waveform Trial#27 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 56.1 | 14 | 1762.0 | 1642.0 | 0.430247 |
| 2 | 2 | 54.0 | 14 | 1143.0 | - | 1.582917 |
| 3 | 2 | 62.0 | 14 | 1867.0 | - | 1.845866 |
| 4 | 2 | 62.1 | 14 | 1144.0 | - | 2.749297 |
| 5 | 2 | 75.4 | 14 | 1236.0 | - | 3.923863 |
| 6 | 1 | 50.7 | 14 | - | - | 5.039773 |
| 7 | 1 | 85.7 | 14 | - | - | 5.939129 |
| 8 | 2 | 94.3 | 14 | 1988.0 | - | 6.702601 |
| 9 | 2 | 58.4 | 14 | 1658.0 | - | 7.296365 |
| 10 | 2 | 78.5 | 14 | 1638.0 | - | 8.286376 |
| 11 | 2 | 66.7 | 14 | 1858.0 | - | 8.773313 |
| 12 | 3 | 82.1 | 14 | 1550.0 | 1008.0 | 10.022107 |
| 13 | 3 | 81.3 | 14 | 1311.0 | 1201.0 | 10.534207 |
| 14 | 2 | 93.9 | 14 | 1709.0 | - | 11.499665 |

| Table 121 - FCC Long Pulse Radar (Type 5) Waveform Trial#28 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 95.2 | 17 | 1976.0 | 1309.0 | 0.779907 |
| 2 | 2 | 57.5 | 17 | 1791.0 | - | 2.304171 |
| 3 | 2 | 82.0 | 17 | 1490.0 | - | 2.534080 |
| 4 | 2 | 94.0 | 17 | 1233.0 | - | 4.083759 |
| 5 | 1 | 85.2 | 17 | - | - | 5.809998 |
| 6 | 1 | 90.5 | 17 | - | - | 6.657324 |
| 7 | 2 | 67.2 | 17 | 1040.0 | - | 7.786091 |
| 8 | 3 | 86.0 | 17 | 1401.0 | 1467.0 | 8.522973 |
| 9 | 2 | 93.2 | 17 | 1519.0 | - | 10.089130 |
| 10 | 2 | 71.2 | 17 | 1096.0 | - | 11.228756 |

| Table 122 - FCC Long Pulse Radar (Type 5) Waveform Trial#29 (Detected) 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 2 | 79.0 | 9 | 1820.0 | - | 0.072426 |
| 2 | 2 | 91.9 | 9 | 1969.0 | - | 0.694093 |
| 3 | 1 | 96.1 | 9 | - | - | 1.514695 |
| 4 | 1 | 78.9 | 9 | - | - | 2.267822 |

| **Table 122 - FCC Long Pulse Radar (Type 5) Waveform Trial#29 (Detected) 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 5 | 3 | 74.5 | 9 | 1557.0 | 1325.0 | 2.677264 |
| 6 | 2 | 90.7 | 9 | 1375.0 | - | 3.331156 |
| 7 | 3 | 53.9 | 9 | 1208.0 | 1043.0 | 4.080390 |
| 8 | 3 | 91.4 | 9 | 1661.0 | 1587.0 | 4.578809 |
| 9 | 1 | 82.9 | 9 | - | - | 5.342481 |
| 10 | 2 | 81.4 | 9 | 1629.0 | - | 5.795807 |
| 11 | 2 | 72.0 | 9 | 1194.0 | - | 6.860071 |
| 12 | 2 | 68.9 | 9 | 1977.0 | - | 7.370769 |
| 13 | 2 | 64.1 | 9 | 1215.0 | - | 7.766397 |
| 14 | 1 | 61.9 | 9 | - | - | 8.301656 |
| 15 | 2 | 72.4 | 9 | 1213.0 | - | 9.113558 |
| 16 | 1 | 75.1 | 9 | - | - | 9.699016 |
| 17 | 2 | 83.3 | 9 | 1607.0 | - | 10.267513 |
| 18 | 2 | 58.2 | 9 | 1218.0 | - | 11.121530 |
| 19 | 2 | 67.3 | 9 | 1620.0 | - | 11.426529 |

| **Table 123 - FCC Long Pulse Radar (Type 5) Waveform Trial#30 (Detected) 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Burst # | # Pulses | Pulse Width (us) | Chirp (MHz) | Interval 1 to 2 (us) | Interval 2 to 3 (us) | Start time (s) |
| 1 | 3 | 71.2 | 19 | 1095.0 | 1569.0 | 0.825592 |
| 2 | 2 | 65.3 | 19 | 1847.0 | - | 1.366696 |
| 3 | 2 | 93.4 | 19 | 1804.0 | - | 2.968806 |
| 4 | 2 | 82.9 | 19 | 1032.0 | - | 3.799851 |
| 5 | 3 | 69.0 | 19 | 1009.0 | 1449.0 | 5.115004 |
| 6 | 3 | 67.0 | 19 | 1656.0 | 1797.0 | 6.485394 |
| 7 | 1 | 93.3 | 19 | - | - | 6.841297 |
| 8 | 3 | 96.3 | 19 | 1851.0 | 1752.0 | 8.556456 |
| 9 | 3 | 50.1 | 19 | 1559.0 | 1651.0 | 9.656259 |
| 10 | 1 | 61.6 | 19 | - | - | 10.409644 |
| 11 | 2 | 86.4 | 19 | 1686.0 | - | 10.966497 |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| 1 | 9 | 1.0 | 333.0 | Yes | 5483.5MHz,-63.0dBm | Hop sequence: 5370, 5281, 5532, 5528, 5294, 5623, 5576, 5504, 5648, 5254, 5477, 5608, 5434, 5407, 5325, 5724, 5332, 5697, 5286, 5297, 5447, 5344, 5643, 5400, 5454, 5287, 5346, 5406, 5593, 5375, 5657, 5272, 5430, 5424, 5303, 5262, 5374, 5298, 5550, 5628, 5658, 5645, 5572, 5293, 5342, 5470, 5684, 5698, 5362, 5632, 5277, 5280, 5364, 5290, 5285, 5471, 5603, 5363, 5348, 5614, 5335, 5587, 5498, 5316, 5630, 5466, 5674, 5673, 5527, 5549, 5546, 5513, 5365, 5675, 5543, 5668, 5541, 5443, 5386, 5448, 5331, 5581, 5251, 5601, 5484, 5598, 5646, 5653, 5338, 5720, 5676, 5395, 5414, 5275, 5641, 5324, 5649, 5530, 5605, 5328 (4 hits) |
| 2 | 9 | 1.0 | 333.0 | Yes | 5484.5MHz,-63.0dBm | Hop sequence: 5253, 5639, 5473, 5493, 5604, 5550, 5695, 5308, 5538, 5655, 5436, 5649, 5442, 5501, 5539, 5407, 5317, 5499, 5521, 5316, 5257, 5625, 5682, 5474, 5307, 5591, 5445, 5381, 5545, 5605, 5634, 5429, 5293, 5616, 5502, 5547, 5536, 5299, 5669, 5553, 5324, 5677, 5413, 5558, 5455, 5258, 5278, 5627, 5311, 5711, 5284, 5402, 5277, 5390, 5691, 5337, 5290, 5481, 5621, 5513, 5368, 5526, 5601, 5535, 5374, 5694, 5438, 5356, 5712, 5646, 5281, 5571, 5379, 5484, 5622, 5597, 5288, 5358, 5600, 5500, 5593, 5528, 5569, 5276, 5495, 5721, 5570, 5629, 5371, 5640, 5572, 5626, 5418, 5713, 5447, 5401, 5678, 5268, 5562, 5325 (8 hits) |
| 3 | 9 | 1.0 | 333.0 | Yes | 5485.5MHz,-63.0dBm | Hop sequence: 5363, 5505, 5661, 5294, 5459, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5664, 5529, 5602, 5675, 5525, 5660, 5712, 5599, 5641, 5277, 5463, 5654, 5577, 5401, 5650, 5582, 5308, 5514, 5267, 5265, 5631, 5696, 5279, 5283, 5261, 5597, 5619, 5647, 5384, 5652, 5706, 5515, 5704, 5589, 5640, 5385, 5666, 5724, 5683, 5555, 5408, 5482, 5292, 5692, 5347, 5266, 5574, 5539, 5646, 5588, 5682, 5500, 5568, 5276, 5674, 5319, 5489, 5369, 5626, 5538, 5546, 5382, 5428, 5678, 5643, 5512, 5534, 5473, 5552, 5691, 5309, 5393, 5524, 5460, 5333, 5630, 5304, 5315, 5287, 5466, 5256, 5438, 5476, 5644, 5367, 5658, 5406, 5306, 5679, 5620, 5415, 5551, 5562, 5571, 5259 (6 hits) |
| 4 | 9 | 1.0 | 333.0 | Yes | 5486.5MHz,-63.0dBm | Hop sequence: 5465, 5444, 5531, 5567, 5360, 5566, 5323, 5711, 5453, 5421, 5474, 5586, 5470, 5334, 5435, 5277, 5544, 5261, 5498, 5502, 5374, 5371, 5635, 5553, 5487, 5347, 5602, 5651, 5529, 5355, 5608, 5703, 5629, 5588, 5721, 5710, 5545, 5305, 5416, 5306, 5361, 5658, 5719, 5408, 5701, 5267, 5316, 5457, 5533, 5558, 5549, 5469, 5590, 5496, 5359, 5709, 5460, 5383, 5382, 5656, 5515, 5539, 5695, 5634, 5661, 5698, 5550, 5639, 5365, 5700, 5509, 5302, 5376, 5403, 5677, 5715, 5449, 5667, 5605, 5648, 5524, 5353, 5461, 5537, 5315, 5526, 5538, 5475, 5584, 5722, 5285, 5543, 5282, 5338, 5507, 5525, 5295, 5284, 5286, 5263 (7 hits) |
| 5 | 9 | 1.0 | 333.0 | Yes | 5487.5MHz,-63.0dBm | Hop sequence: 5720, 5578, 5686, 5503, 5348, 5474, 5604, 5337, 5401, 5266, 5448, 5308, 5668, 5511, 5596, 5588, 5681, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5293, 5424, 5618, 5484, 5602, 5350, 5407, 5643, 5382, 5384, 5318, 5551, 5624, 5310, 5323, 5644, 5483, 5331, 5700, 5379, 5518, 5702, 5336, 5497, 5455, 5635, 5418, 5679, 5421, 5314, 5614, 5723, 5559, 5573, 5650, 5468, 5708, 5265, 5632, 5711, 5365, 5459, 5463, 5713, 5550, 5622, 5469, 5260, 5591, 5295, 5593, 5464, 5577, 5352, 5524, 5652, 5641, 5338, 5465, 5548, 5479, 5634, 5660, 5423, 5537, 5664, 5502, 5413, 5533, 5366, 5495, 5642, 5478, 5362, 5267, 5387, 5609, 5693, 5450, 5716, 5595, 5369, 5427 (6 hits) |
| 6 | 9 | 1.0 | 333.0 | Yes | 5488.5MHz,-63.0dBm | Hop sequence: 5264, 5494, 5315, 5445, 5345, 5710, 5456, 5369, 5360, 5677, 5642, 5536, 5306, 5402, 5386, 5661, 5285, 5336, 5499, 5481, 5649, 5624, 5534, 5398, 5581, 5612, 5272, 5471, 5490, 5331, 5292, 5361, 5626, 5310, 5258, 5504, 5274, 5379, 5633, 5413, 5655, 5666, 5255, 5462, 5450, 5452, 5619, 5265, 5722, 5502, 5713, 5455, 5279, 5584, 5438, 5298, 5561, 5646, 5341, 5486, 5681, 5477, 5295, 5275, 5602, 5550, 5464, 5392, 5422, 5470, 5503, 5358, 5309, 5460, 5689, 5591, 5304, 5576, 5354, 5551, 5501, 5569, 5719, 5317, 5607, 5410, 5587, 5506, 5479, 5600, 5482, 5432, 5511, 5690, 5558, 5705, 5491, 5541, 5437, 5256 (11 hits) |
| 7 | 9 | 1.0 | 333.0 | Yes | 5489.5MHz,-63.0dBm | Hop sequence: 5308, 5585, 5644, 5503, 5589, 5655, 5516, 5525, 5305, 5371, 5448, 5572, 5481, 5322, 5539, 5677, 5440, 5337, 5280, 5590, 5609, 5307, 5705, 5451, 5575, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5251, 5345, 5357, 5591, 5292, 5264, 5552, 5408, 5403, 5685, 5295, 5509, 5289, 5474, 5421, 5501, 5492, 5650, 5437, 5608, 5595, 5693, 5279, 5407, 5334, 5259, 5551, 5296, 5660, 5573, 5642, 5454, 5703, 5263, 5683, 5452, 5659, 5350, 5652, 5562, 5277, 5566, 5270, 5387, 5657, 5301, 5649, 5478, 5490, 5568, 5710, 5547, 5321, 5272, 5331, 5602, 5466, 5379, 5554, 5617, 5604, 5723, 5390, 5444, 5360, 5352, 5284, 5524, 5471, 5428, 5485, 5435, 5647, 5666, 5630 (7 hits) |
| 8 | 9 | 1.0 | 333.0 | Yes | 5490.5MHz,-63.0dBm | Hop sequence: 5468, 5294, 5695, 5701, 5291, 5424, 5534, 5664, 5514, 5348, 5469, 5308, 5630, 5449, 5270, 5283, 5702, 5573, 5662, 5323, 5633, 5491, 5494, 5644, 5502, 5594, 5721, 5666, 5564, 5339, 5428, 5637, 5388, 5535, 5597, 5379, 5333, 5431, 5568, 5508, 5566, 5505, 5321, 5717, 5301, 5617, 5544, 5457, 5439, 5580, 5517, 5626, 5713, 5579, 5506, 5547, 5525, 5395, 5385, 5403, 5296, 5693, 5587, 5273, 5609, 5432, 5382, 5265, 5297, 5589, 5306, 5402, 5257, 5304, 5697, 5350, 5287, 5669, 5331, 5683, 5288, 5668, 5390, 5611, 5464, 5290, 5483, 5278, 5336, 5438, 5311, 5601, 5689, 5512, 5665, 5368, 5493, 5635, 5435, 5631 (9 hits) |
| 9 | 9 | 1.0 | 333.0 | Yes | 5491.5MHz,-63.0dBm | Hop sequence: 5725, 5447, 5481, 5560, 5423, 5708, 5371, 5673, 5445, 5661, 5626, 5393, 5599, 5535, 5428, 5679, 5607, 5256, 5422, 5328, 5387, 5540, 5641, 5553, 5303, 5335, 5348, 5321, 5541, 5413, 5580, 5558, 5628, 5465, 5501, 5571, 5258, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5363, 5307, 5690, 5409, 5314, 5338, 5575, 5435, 5682, 5530, 5480, 5299, 5357, 5490, 5327, 5279, 5529, 5627, 5255, 5561, 5308, 5597, 5578, 5273, 5586, 5442, 5527, 5388, 5594, 5572, 5472, 5570, 5631, 5719, 5397, 5546, 5584, 5340, 5633, 5539, 5471, 5696, 5510, 5466, 5322, 5284, 5688, 5650, 5619, 5362, 5718, 5492, 5391, 5292, 5720, 5269, 5276, 5585, 5270, 5664, 5337, 5576, 5454 (4 hits) |
| 10 | 9 | 1.0 | 333.0 | Yes | 5492.5MHz,-63.0dBm | Hop sequence: 5384, 5410, 5275, 5671, 5273, 5315, 5722, 5376, 5632, 5560, 5712, 5676, 5442, 5639, 5306, 5566, 5492, 5570, 5647, 5362, 5579, 5604, 5698, 5344, 5440, 5447, 5684, 5398, 5421, 5538, 5643, 5506, 5511, 5504, 5658, 5533, 5267, 5651, 5462, 5575, 5535, 5569, 5524, 5614, 5498, 5526, 5298, 5415, 5508, 5274, 5590, 5438, 5476, 5644, 5251, 5391, 5299, 5322, 5574, 5369, 5252, 5518, 5394, 5297, 5685, 5603, 5529, 5305, 5707, 5692, 5428, 5295, 5288, 5530, 5381, 5601, 5620, 5542, 5426, 5405, 5339, 5555, 5531, 5505, 5345, 5615, 5446, 5513, 5706, 5708, 5637, 5333, 5573, 5430, 5448, 5514, 5374, 5367, 5302, 5477 (9 hits) |
| 11 | 9 | 1.0 | 333.0 | Yes | 5493.5MHz,-63.0dBm | Hop sequence: 5409, 5272, 5627, 5648, 5676, 5561, 5610, 5599, 5581, 5475, 5499, 5340, 5345, 5485, 5689, 5595, 5670, 5538, 5517, 5569, 5698, 5527, 5619, 5700, 5666, 5535, 5597, 5663, 5651, 5440, 5558, 5706, 5575, 5471, 5714, 5720, 5274, 5492, 5302, 5303, 5544, 5708, 5533, 5378, 5422, 5348, 5683, 5554, 5635, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5254, 5330, 5305, 5616, 5435, 5652, 5251, 5571, 5606, 5630, 5261, 5321, 5560, 5353, 5437, 5513, 5516, 5388, 5509, 5626, 5614, 5352, 5684, 5522, 5710, 5640, 5564, 5624, 5515, 5477, 5587, 5673, 5577, 5429, 5375, 5649, 5265, 5594, 5309, 5417, 5385, 5286, 5601, 5532, 5726, 5426, 5697, 5604, 5425, 5608, 5584 (7 hits) |
| 12 | 9 | 1.0 | 333.0 | Yes | 5494.5MHz,-63.0dBm | Hop sequence: 5533, 5618, 5481, 5711, 5280, 5700, 5381, 5541, 5339, 5631, 5482, 5475, 5562, 5673, 5561, 5572, 5430, 5374, 5665, 5251, 5413, 5520, 5704, 5684, 5602, 5601, 5254, 5470, 5415, 5506, 5648, 5574, 5662, 5548, 5436, 5346, 5411, 5493, 5252, 5580, 5435, 5690, 5570, 5370, 5606, 5549, 5398, 5646, 5304, 5322, 5429, 5347, 5459, 5573, 5592, 5540, 5308, 5651, 5296, 5644, 5674, 5368, 5617, 5695, 5719, 5402, 5330, 5590, 5326, 5627, 5445, 5503, 5511, 5537, 5261, 5367, 5404, 5538, 5314, 5300, 5543, 5395, 5386, 5479, 5253, 5281, 5546, 5655, 5658, 5438, 5714, 5485, 5305, 5258, 5431, 5427, 5384, 5585, 5443, 5451 (5 hits) |
| 13 | 9 | 1.0 | 333.0 | Yes | 5495.5MHz,-63.0dBm | Hop sequence: 5702, 5531, 5473, 5384, 5458, 5388, 5564, 5639, 5649, 5623, 5386, 5677, 5397, 5381, 5425, 5347, 5470, 5684, 5705, 5630, 5485, 5692, 5619, 5610, 5585, 5560, 5577, 5609, 5401, 5584, 5370, 5573, 5682, 5509, 5614, 5364, 5444, 5257, 5267, 5439, 5264, 5556, 5718, 5521, 5518, 5596, 5321, 5641, 5491, 5438, 5546, 5363, 5301, 5318, 5637, 5369, 5638, 5360, 5722, 5474, 5332, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5331, 5324, 5426, 5418, 5504, 5285, 5472, 5250, 5314, 5446, 5357, 5333, 5502, 5552, 5413, 5419, 5506, 5345, 5510, 5429, 5296, 5268, 5602, 5475, 5693, 5366, 5392, 5690, 5483, 5433, 5270, 5680, 5420, 5524, 5689, 5407, 5352, 5643, 5330 (7 hits) |
| 14 | 9 | 1.0 | 333.0 | Yes | 5496.5MHz,-63.0dBm | Hop sequence: 5389, 5586, 5651, 5348, 5714, 5494, 5325, 5681, 5668, 5262, 5327, 5562, 5520, 5551, 5726, 5626, 5598, 5334, 5544, 5565, 5616, 5607, 5364, 5498, 5627, 5675, 5409, 5261, 5312, 5411, 5445, 5528, 5260, 5553, 5684, 5438, 5594, 5606, 5500, 5441, 5532, 5658, 5634, 5354, 5323, 5688, 5596, 5393, 5584, 5677, 5696, 5448, 5502, 5340, 5437, 5623, 5358, 5252, 5482, 5458, 5546, 5473, 5417, 5316, 5504, 5413, 5449, 5597, 5567, 5564, 5293, 5722, 5621, 5408, 5554, 5430, 5468, 5431, 5271, 5275, 5661, 5391, 5577, 5436, 5570, 5423, 5278, 5697, 5662, 5341, 5339, 5687, 5580, 5630, 5699, 5488, 5425, 5609, 5346, 5320 (6 hits) |
| 15 | 9 | 1.0 | 333.0 | Yes | 5497.5MHz,-63.0dBm | Hop sequence: 5694, 5571, 5553, 5422, 5677, 5393, 5413, 5362, 5352, 5301, 5681, 5532, 5419, 5605, 5607, 5590, 5648, 5606, 5365, 5318, 5364, 5291, 5282, 5629, 5432, 5559, 5661, 5724, 5416, 5577, 5386, 5540, 5555, 5585, 5636, 5688, 5394, 5304, 5262, 5405, 5640, 5399, 5682, 5466, 5407, 5634, 5483, 5712, 5531, 5698, 5274, 5707, 5315, 5272, 5672, 5717, 5667, 5563, 5486, 5643, 5696, 5513, 5479, 5645, 5471, 5547, 5604, 5523, 5575, 5452, 5333, 5537, 5278, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5622, 5554, 5641, 5363, 5457, 5616, 5583, 5288, 5599, 5655, 5289, 5334, 5582, 5619, 5469, 5613, 5424, 5512, 5379, 5366, 5489, 5647, 5518, 5420, 5298, 5525, 5653 (4 hits) |
| 16 | 9 | 1.0 | 333.0 | Yes | 5498.5MHz,-63.0dBm | Hop sequence: 5604, 5692, 5365, 5687, 5611, 5655, 5672, 5631, 5711, 5656, 5680, 5663, 5490, 5429, 5717, 5642, 5390, 5396, 5664, 5336, 5374, 5632, 5379, 5610, 5402, 5516, 5492, 5330, 5554, 5373, 5488, 5475, 5452, 5447, 5620, 5321, 5461, 5428, 5284, 5297, 5665, 5392, 5686, 5273, 5469, 5343, 5288, 5270, 5505, 5285, 5684, 5328, 5714, 5290, 5702, 5481, 5719, 5575, 5706, 5651, 5555, 5689, 5517, 5636, 5704, 5578, 5411, 5543, 5607, 5280, 5577, 5602, 5301, 5332, 5678, 5300, 5707, 5520, 5353, 5279, 5585, 5521, 5387, 5407, 5703, 5448, 5626, 5491, 5558, 5542, 5724, 5302, 5526, 5250, 5641, 5563, 5370, 5685, 5618, 5315 (6 hits) |
| 17 | 9 | 1.0 | 333.0 | Yes | 5499.5MHz,-63.0dBm | Hop sequence: 5459, 5456, 5399, 5564, 5421, 5451, 5563, 5649, 5297, 5674, 5404, 5375, 5306, 5714, 5262, 5522, 5385, 5582, 5634, 5407, 5626, 5696, 5338, 5715, 5688, 5588, 5405, 5337, 5295, 5595, 5413, 5606, 5569, 5552, 5390, 5511, 5255, 5377, 5336, 5482, 5573, 5514, 5316, 5287, 5476, 5710, 5468, 5388, 5417, 5303, 5583, 5327, 5718, 5636, 5600, 5322, 5617, 5530, 5653, 5708, 5545, 5659, 5647, 5648, 5307, 5553, 5398, 5567, 5361, 5332, 5391, 5437, 5694, 5645, 5284, 5313, 5725, 5412, 5340, 5308, 5462, 5633, 5690, 5299, 5445, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5424, 5635, 5576, 5263, 5357, 5288, 5701, 5664, 5481, 5525, 5629, 5310, 5678, 5252, 5568 (2 hits) |
| 18 | 9 | 1.0 | 333.0 | Yes | 5500.5MHz,-63.0dBm | Hop sequence: 5578, 5377, 5488, 5576, 5327, 5313, 5277, 5555, 5386, 5600, 5434, 5341, 5276, 5720, 5476, 5564, 5528, 5425, 5319, 5622, 5688, 5462, 5700, 5527, 5453, 5467, 5444, 5384, 5402, 5694, 5443, 5635, 5685, 5286, 5494, 5374, 5383, 5710, 5554, 5509, 5505, 5522, 5568, 5709, 5510, 5252, 5283, 5370, 5396, 5385, 5305, 5347, 5607, 5668, 5673, 5602, 5255, 5337, 5589, 5427, 5537, 5722, 5588, 5640, 5586, 5704, 5591, 5679, 5567, 5301, 5639, 5332, 5330, 5360, 5321, 5623, 5362, 5471, 5433, 5482, 5615, 5464, 5477, 5394, 5439, 5450, 5573, 5643, 5348, 5315, 5577, 5293, 5520, 5516, 5485, 5272, 5259, 5372, 5466, 5442 (7 hits) |
| 19 | 9 | 1.0 | 333.0 | Yes | 5501.5MHz,-63.0dBm | Hop sequence: 5393, 5606, 5571, 5522, 5275, 5643, 5586, 5336, 5684, 5478, 5355, 5447, 5517, 5410, 5572, 5639, 5273, 5723, 5457, 5555, 5627, 5463, 5323, 5645, 5561, 5477, 5564, 5499, 5492, 5363, 5362, 5341, 5695, 5636, 5483, 5600, 5330, 5613, 5324, 5717, 5702, 5353, 5356, 5532, 5344, 5629, 5706, 5720, 5297, 5282, 5504, 5518, 5263, 5570, 5554, 5576, 5391, 5707, 5352, 5316, 5347, 5660, 5302, 5497, 5267, 5320, 5369, 5315, 5674, 5696, 5602, 5268, 5384, 5254, 5317, 5725, 5500, 5380, 5514, 5609, 5486, 5462, 5386, 5523, 5312, 5472, 5505, 5354, 5424, 5631, 5667, 5578, 5321, 5318, 5474, 5272, 5490, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5648, 5408, 5328 (9 hits) |
| 20 | 9 | 1.0 | 333.0 | Yes | 5502.5MHz,-63.0dBm | Hop sequence: 5498, 5474, 5327, 5552, 5389, 5704, 5636, 5277, 5669, 5350, 5667, 5583, 5508, 5567, 5550, 5623, 5641, 5646, 5396, 5510, 5334, 5451, 5505, 5297, 5529, 5432, 5402, 5471, 5673, 5522, 5547, 5365, 5553, 5656, 5257, 5260, 5290, 5580, 5328, 5338, 5719, 5299, 5538, 5351, 5549, 5369, 5519, 5271, 5693, 5371, 5514, 5293, 5725, 5477, 5674, 5497, 5612, 5603, 5557, 5452, 5419, 5562, 5645, 5637, 5625, 5588, 5530, 5599, 5576, 5563, 5265, 5261, 5624, 5659, 5476, 5551, 5535, 5696, 5585, 5337, 5690, 5478, 5352, 5604, 5374, 5591, 5266, 5448, 5613, 5393, 5577, 5594, 5274, 5425, 5336, 5313, 5685, 5687, 5575, 5665 (6 hits) |
| 21 | 9 | 1.0 | 333.0 | Yes | 5503.5MHz,-63.0dBm | Hop sequence: 5357, 5408, 5353, 5660, 5663, 5446, 5295, 5649, 5564, 5603, 5462, 5265, 5476, 5474, 5416, 5443, 5719, 5631, 5715, 5360, 5507, 5602, 5281, 5334, 5440, 5293, 5539, 5691, 5534, 5418, 5429, 5525, 5487, 5556, 5354, 5699, 5303, 5407, 5632, 5592, 5713, 5342, 5513, 5306, 5382, 5615, 5621, 5294, 5583, 5641, 5283, 5497, 5355, 5377, 5304, 5413, 5375, 5356, 5605, 5562, 5308, 5628, 5523, 5400, 5671, 5613, 5251, 5520, 5712, 5351, 5371, 5477, 5279, 5499, 5254, 5674, 5591, 5268, 5312, 5570, 5432, 5402, 5543, 5437, 5478, 5406, 5273, 5526, 5544, 5399, 5300, 5640, 5694, 5723, 5309, 5677, 5563, 5540, 5475, 5725 (5 hits) |
| 22 | 9 | 1.0 | 333.0 | Yes | 5504.5MHz,-63.0dBm | Hop sequence: 5354, 5337, 5536, 5530, 5340, |

| Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5633, 5378, 5320, 5397, 5339, 5366, 5286, 5723, 5327, 5456, 5345, 5469, 5529, 5515, 5373, 5533, 5640, 5498, 5336, 5377, 5452, 5504, 5613, 5403, 5437, 5273, 5609, 5651, 5365, 5319, 5449, 5326, 5372, 5464, 5352, 5577, 5301, 5405, 5477, 5585, 5439, 5601, 5376, 5434, 5306, 5667, 5480, 5440, 5615, 5260, 5370, 5417, 5571, 5476, 5350, 5311, 5422, 5371, 5496, 5330, 5348, 5614, 5566, 5516, 5495, 5518, 5719, 5538, 5630, 5355, 5268, 5412, 5593, 5677, 5637, 5394, 5687, 5718, 5675, 5506, 5277, 5541, 5262, 5482, 5645, 5367, 5517, 5599, 5267, 5631, 5333, 5626, 5502, 5315, 5404 (8 hits) |
| 23 | 9 | 1.0 | 333.0 | Yes | 5505.5MHz,-63.0dBm | Hop sequence: 5387, 5439, 5483, 5299, 5344, 5491, 5574, 5410, 5487, 5339, 5551, 5498, 5720, 5675, 5515, 5321, 5557, 5326, 5507, 5674, 5680, 5717, 5710, 5658, 5460, 5315, 5519, 5407, 5510, 5560, 5366, 5723, 5564, 5630, 5424, 5283, 5477, 5539, 5476, 5271, 5711, 5643, 5301, 5332, 5693, 5452, 5392, 5636, 5573, 5713, 5634, 5444, 5464, 5526, 5378, 5532, 5494, 5584, 5645, 5334, 5428, 5695, 5419, 5422, 5626, 5676, 5306, 5345, 5298, 5384, 5617, 5462, 5257, 5414, 5520, 5338, 5683, 5688, 5505, 5352, 5648, 5372, 5544, 5677, 5391, 5426, 5423, 5373, 5597, 5587, 5433, 5398, 5649, 5323, 5253, 5706, 5263, 5335, 5502, 5254 (9 hits) |
| 24 | 9 | 1.0 | 333.0 | Yes | 5506.5MHz,-63.0dBm | Hop sequence: 5365, 5357, 5417, 5441, 5396, 5332, 5585, 5530, 5349, 5251, 5355, 5655, 5295, 5553, 5342, 5533, 5454, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5423, 5330, 5572, 5497, 5294, 5292, 5642, 5316, 5381, 5311, 5322, 5341, 5384, 5266, 5301, 5416, 5442, 5561, 5356, 5411, 5466, 5325, 5289, 5482, 5352, 5451, 5669, 5722, 5366, 5472, 5420, 5461, 5285, 5629, 5308, 5389, 5593, 5713, 5578, 5654, 5274, 5680, 5704, 5521, 5307, 5537, 5610, 5361, 5718, 5444, 5265, 5373, 5670, 5628, 5471, 5590, 5339, 5706, 5374, 5465, 5500, 5700, 5426, 5541, 5489, 5367, 5401, 5435, 5515, 5286, 5394, 5329, 5641, 5429, 5527, 5660, 5682, 5408, 5594, 5282, 5571, 5491, 5620 (5 hits) |
| 25 | 9 | 1.0 | 333.0 | Yes | 5507.5MHz,-63.0dBm | Hop sequence: 5336, 5705, 5518, 5707, 5322, 5352, 5621, 5643, 5619, 5623, 5649, 5374, 5313, 5635, 5694, 5285, 5684, 5402, 5429, 5504, 5354, 5396, 5701, 5716, 5522, 5450, 5430, 5482, 5510, 5339, 5592, 5719, 5393, 5316, 5633, 5253, 5550, 5349, 5288, 5573, 5262, 5683, 5572, 5256, 5409, 5377, 5535, 5574, 5373, 5500, 5612, 5585, 5484, 5367, 5578, 5422, 5590, 5281, 5583, 5372, 5453, 5536, 5448, 5587, 5693, 5306, 5283, 5391, 5325, 5425, 5382, 5432, 5257, 5514, 5387, 5485, 5351, 5702, 5690, 5323, 5604, 5722, 5593, 5411, 5597, 5252, 5648, 5369, 5392, 5310, 5580, 5674, 5417, 5718, 5328, 5611, 5467, 5668, 5493, 5321 (7 hits) |
| 26 | 9 | 1.0 | 333.0 | Yes | 5508.5MHz,-63.0dBm | Hop sequence: 5392, 5424, 5677, 5538, 5496, 5682, 5506, 5589, 5388, 5292, 5473, 5341, 5512, 5674, 5381, 5719, 5708, 5485, 5430, 5709, 5562, 5666, 5477, 5374, 5307, 5659, 5394, 5725, 5711, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5656, 5703, 5441, 5625, 5285, 5654, 5407, 5457, 5586, 5328, 5429, 5417, 5337, 5353, 5274, 5446, 5679, 5710, 5399, 5561, 5582, 5434, 5570, 5583, 5616, 5628, 5533, 5684, 5288, 5397, 5680, 5440, 5576, 5598, 5290, 5593, 5371, 5587, 5453, 5715, 5463, 5683, 5339, 5565, 5599, 5336, 5617, 5549, 5251, 5668, 5334, 5415, 5611, 5609, 5615, 5414, 5717, 5281, 5640, 5564, 5267, 5510, 5406, 5662, 5279, 5289, 5280, 5618, 5584, 5421, 5675 (5 hits) |
| 27 | 9 | 1.0 | 333.0 | Yes | 5509.5MHz,-63.0dBm | Hop sequence: 5542, 5306, 5547, 5351, 5465, 5723, 5622, 5437, 5270, 5475, 5589, 5275, 5271, 5540, 5433, 5358, 5348, 5420, 5322, 5455, 5573, 5519, 5644, 5680, 5683, 5266, 5646, 5252, 5440, 5554, 5685, 5446, 5255, 5453, 5389, 5332, 5346, 5560, 5543, 5721, 5643, 5479, 5620, 5269, 5507, 5425, 5464, 5489, 5679, 5719, 5443, 5510, 5550, 5402, 5477, 5491, 5494, 5287, 5505, 5548, 5722, 5278, 5641, 5397, 5338, 5371, 5600, 5304, 5432, 5523, 5608, 5664, 5277, 5501, 5347, 5562, 5285, 5493, 5522, 5385, 5406, 5652, 5621, 5313, 5592, 5705, 5635, 5577, 5316, 5480, 5563, 5481, 5504, 5702, 5373, 5645, 5536, 5726, 5502, 5375 (10 hits) |
| 28 | 9 | 1.0 | 333.0 | Yes | 5510.5MHz,-63.0dBm | Hop sequence: 5397, 5445, 5353, 5612, 5514, 5289, 5422, 5424, 5711, 5431, 5573, 5568, 5429, 5370, 5552, 5642, 5275, 5386, 5314, 5504, 5360, 5343, 5571, 5509, 5662, 5262, 5627, 5619, 5368, 5390, 5308, 5649, 5325, 5565, 5438, 5606, 5378, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5376, 5524, 5564, 5584, 5443, 5610, 5488, 5437, 5541, 5502, 5311, 5595, 5588, 5525, 5538, 5704, 5506, 5305, 5667, 5253, 5713, 5666, 5486, 5660, 5581, 5350, 5260, 5329, 5432, 5685, 5373, 5645, 5420, 5690, 5356, 5284, 5563, 5490, 5410, 5663, 5299, 5629, 5523, 5542, 5577, 5393, 5256, 5501, 5498, 5500, 5589, 5712, 5261, 5281, 5461, 5652, 5405, 5650, 5630, 5310, 5414, 5455, 5392 (11 hits) |
| 29 | 9 | 1.0 | 333.0 | Yes | 5511.5MHz,-63.0dBm | Hop sequence: 5367, 5348, 5552, 5725, 5462, 5506, 5485, 5527, 5573, 5294, 5648, 5466, 5493, 5510, 5479, 5273, 5264, 5321, 5383, 5363, 5638, 5604, 5703, 5431, 5716, 5593, 5655, 5475, 5724, 5723, 5349, 5484, 5386, 5351, 5585, 5564, 5412, 5434, 5659, 5596, 5700, 5608, 5708, 5595, 5538, 5535, 5272, 5529, 5551, 5402, 5522, 5399, 5307, 5706, 5480, 5685, 5628, 5705, 5512, 5504, 5675, 5457, 5482, 5305, 5428, 5432, 5314, 5702, 5459, 5559, 5393, 5437, 5643, 5668, 5286, 5594, 5426, 5654, 5387, 5400, 5310, 5720, 5642, 5663, 5333, 5469, 5309, 5255, 5689, 5467, 5320, 5330, 5451, 5429, 5698, 5444, 5329, 5433, 5385, 5413 (7 hits) |
| 30 | 9 | 1.0 | 333.0 | Yes | 5512.5MHz,-63.0dBm | Hop sequence: 5360, 5677, 5281, 5654, 5449, 5492, 5429, 5671, 5400, 5559, 5678, 5407, 5388, 5421, 5469, 5395, 5317, 5277, 5434, 5569, 5466, 5384, 5405, 5458, 5461, 5441, 5543, 5415, 5347, 5356, 5303, 5634, 5294, 5471, 5260, 5652, 5425, 5613, 5357, 5495, 5459, 5508, 5382, 5475, 5619, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5566, 5353, 5554, 5435, 5548, 5565, 5295, 5319, 5545, 5261, 5263, 5339, 5514, 5352, 5606, 5575, 5385, 5369, 5698, 5696, 5516, 5335, 5511, 5564, 5329, 5488, 5544, 5342, 5307, 5270, 5595, 5643, 5476, 5345, 5465, 5383, 5608, 5323, 5596, 5531, 5621, 5638, 5300, 5586, 5536, 5272, 5537, 5275, 5362, 5546, 5268, 5668, 5693, 5581, 5507 (8 hits) |
| 31 | 9 | 1.0 | 333.0 | Yes | 5513.5MHz,-63.0dBm | Hop sequence: 5437, 5508, 5604, 5472, 5533, 5699, 5468, 5650, 5712, 5519, 5681, 5384, 5452, 5338, 5370, 5552, 5264, 5561, 5413, 5722, 5300, 5353, 5455, 5328, 5515, 5636, 5597, 5693, 5391, 5287, 5439, 5538, 5321, 5454, 5429, 5354, 5299, 5578, 5646, 5406, 5368, 5282, 5725, 5388, 5326, 5434, 5298, 5686, 5651, 5637, 5441, 5417, 5316, 5709, 5687, 5521, 5424, 5529, 5592, 5390, 5379, 5373, 5590, 5436, 5490, 5603, 5570, 5639, 5583, 5542, 5272, 5528, 5638, 5714, 5613, 5435, 5576, 5312, 5428, 5600, 5516, 5705, 5449, 5405, 5556, 5254, 5589, 5522, 5286, 5308, 5504, 5375, 5505, 5464, 5351, 5567, 5674, 5598, 5676, 5659 (6 hits) |
| 32 | 9 | 1.0 | 333.0 | Yes | 5514.5MHz,-63.0dBm | Hop sequence: 5665, 5406, 5666, 5458, 5538, 5616, 5521, 5279, 5365, 5373, 5623, 5285, 5331, 5617, 5659, 5483, 5407, 5314, 5280, 5718, 5547, 5265, 5650, 5290, 5570, 5562, 5300, 5656, 5549, 5291, 5429, 5567, 5648, 5712, 5461, 5392, 5352, 5408, 5410, 5337, 5478, 5513, 5519, 5433, 5654, 5372, 5503, 5682, 5357, 5443, 5516, 5691, 5591, 5482, 5287, 5695, 5533, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5608, 5624, 5426, 5642, 5293, 5480, 5457, 5403, 5477, 5404, 5510, 5569, 5635, 5693, 5362, 5344, 5543, 5274, 5680, 5470, 5485, 5440, 5312, 5437, 5375, 5719, 5450, 5508, 5334, 5256, 5273, 5361, 5363, 5466, 5294, 5350, 5541, 5542, 5548, 5353, 5593, 5343, 5710 (6 hits) |
| 33 | 9 | 1.0 | 333.0 | Yes | 5515.5MHz,-63.0dBm | Hop sequence: 5254, 5599, 5519, 5610, 5555, 5338, 5543, 5485, 5652, 5317, 5724, 5500, 5322, 5551, 5718, 5548, 5323, 5685, 5361, 5703, 5708, 5453, 5501, 5570, 5629, 5560, 5469, 5335, 5355, 5365, 5611, 5330, 5633, 5573, 5510, 5456, 5399, 5394, 5525, 5505, 5635, 5293, 5557, 5711, 5468, 5275, 5478, 5705, 5373, 5410, 5491, 5462, 5340, 5292, 5354, 5424, 5579, 5666, 5458, 5622, 5513, 5578, 5564, 5675, 5533, 5700, 5565, 5441, 5279, 5483, 5671, 5589, 5532, 5267, 5494, 5686, 5390, 5311, 5324, 5321, 5376, 5674, 5379, 5628, 5663, 5313, 5364, 5372, 5396, 5572, 5285, 5704, 5680, 5687, 5695, 5360, 5517, 5383, 5316, 5430 (8 hits) |
| 34 | 9 | 1.0 | 333.0 | Yes | 5516.5MHz,-63.0dBm | Hop sequence: 5409, 5503, 5540, 5508, 5516, 5712, 5336, 5437, 5264, 5352, 5308, 5273, 5592, 5377, 5392, 5366, 5319, 5510, 5511, 5355, 5488, 5334, 5687, 5365, 5638, 5428, 5559, 5451, 5611, 5485, 5333, 5457, 5356, 5358, 5288, 5608, 5445, 5470, 5636, 5538, 5414, 5545, 5257, 5466, 5371, 5304, 5486, 5701, 5546, 5375, 5586, 5720, 5699, 5681, 5379, 5521, 5421, 5325, 5266, 5536, 5719, 5380, 5455, 5558, 5254, 5278, 5665, 5650, 5438, |

| **Table 124 - FCC frequency hopping radar (Type 6) Results 40MHz** | | | | | | |
|---|---|---|---|---|---|---|
| Trial # | Pulses/ Burst | Pulse Width (us) | PRI (us) | Detected | Frequency and Level | Burst Information |
| | | | | | | 5567, 5620, 5641, 5282, 5374, 5471, 5292, 5610, 5312, 5259, 5321, 5670, 5349, 5645, 5460, 5657, 5280, 5500, 5426, 5354, 5574, 5562, 5682, 5515, 5600, 5381, 5324, 5637, 5413, 5571, 5350 (10 hits) |

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

*FCC PART 15 SUBPART E Channel Closing Measurements*

| Table 125 - FCC Part 15 Subpart E Channel Closing Test Results (Master) | | | | | |
|---|---|---|---|---|---|
| Waveform Type | Channel Closing Transmission Time [1] | | Channel Move Time | | Result |
| | Measured | Limit | Measured | Limit | |
| Radar Type 0 | 0ms | 60 ms | 46ms | 10 s | Pass |

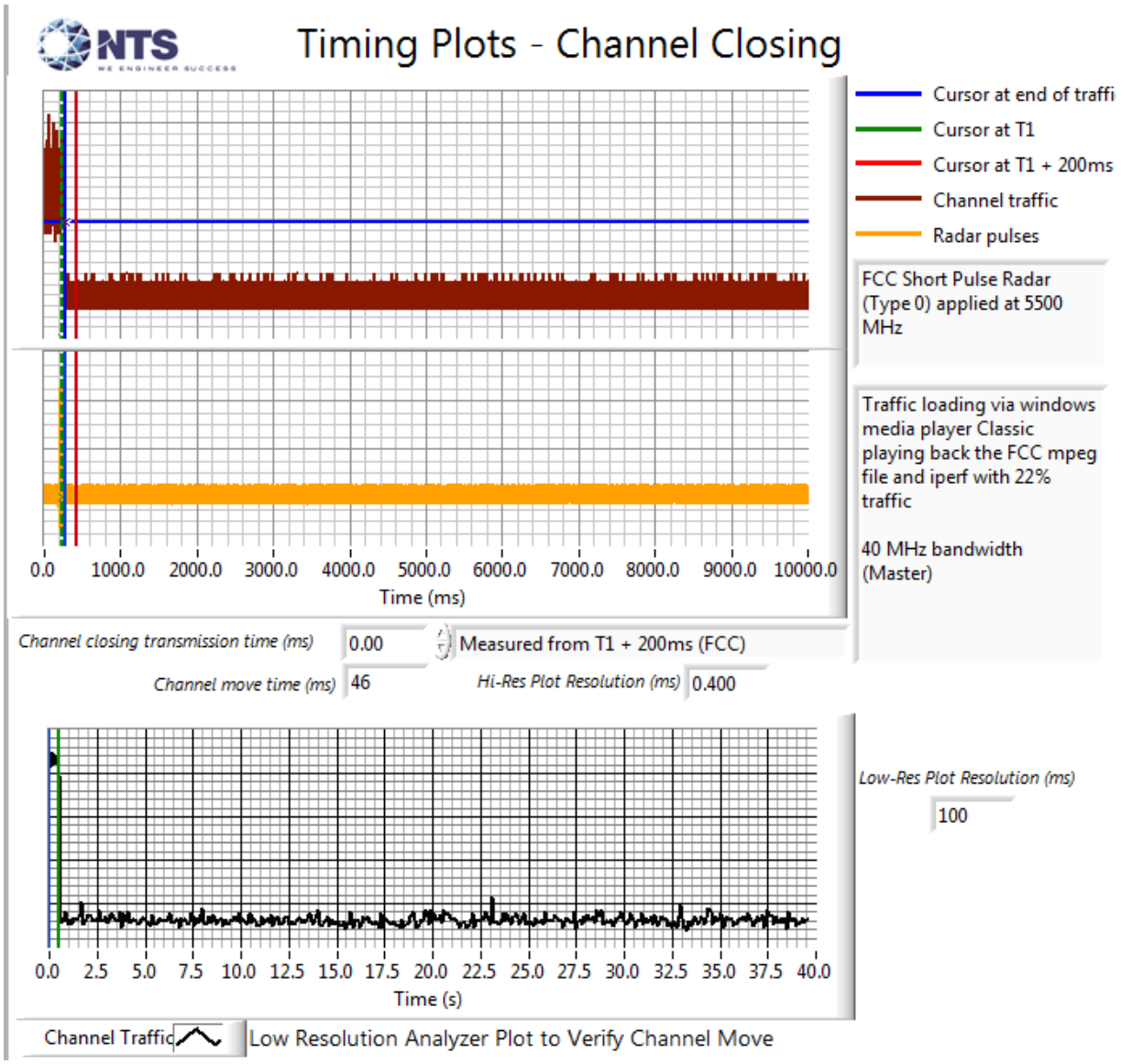



**Figure 12 Channel Closing Time and Channel Move Time (40MHz-Master) – 40 second plot**

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

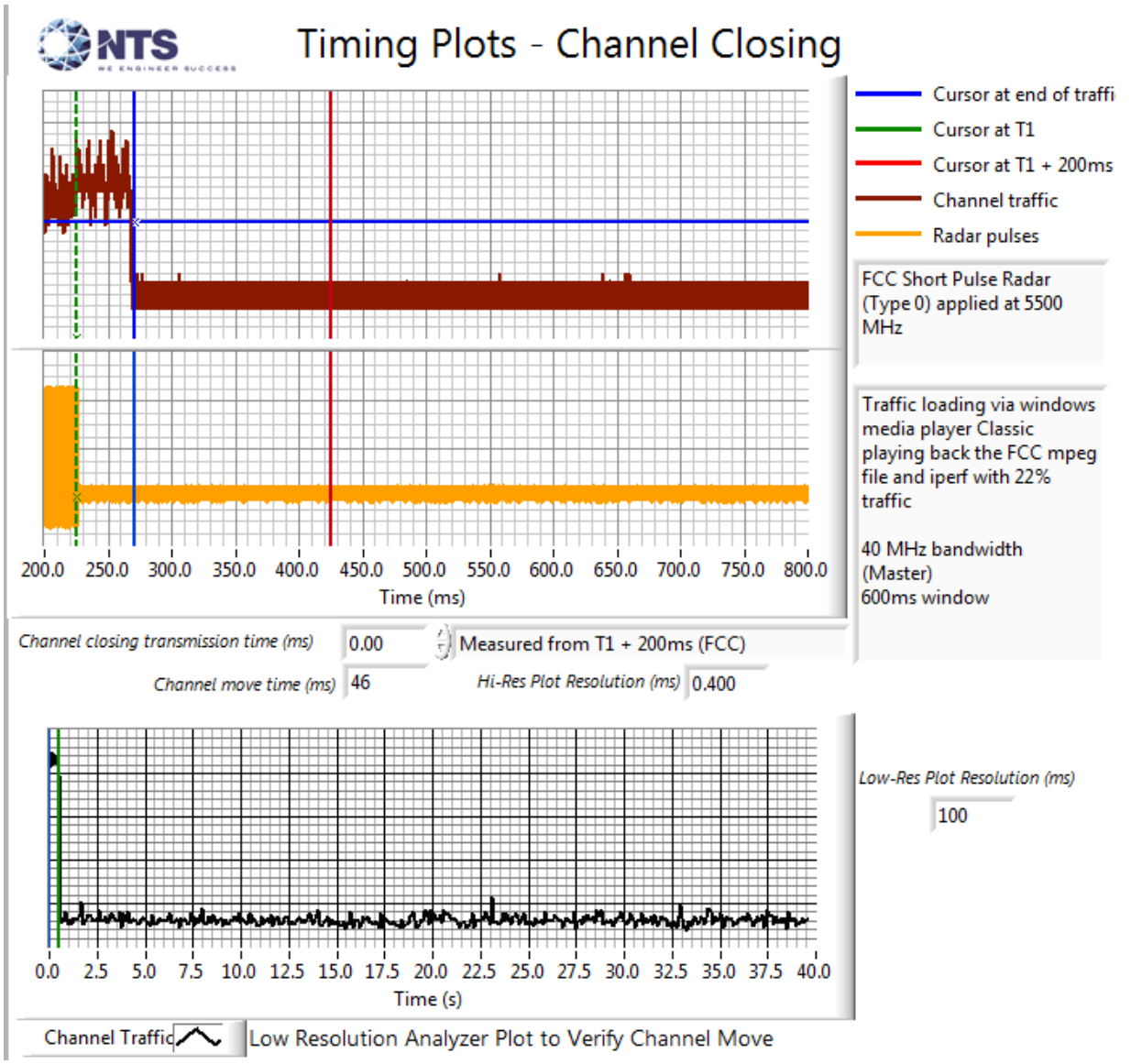



**Figure 13 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar (40MHz-Master)**

| Table 126 - FCC Part 15 Subpart E Channel Closing Test Results (Client) | | | | | |
|---|---|---|---|---|---|
| Waveform Type | Channel Closing Transmission Time [1] | | Channel Move Time | | Result |
| | Measured | Limit | Measured | Limit | |
| Radar Type 0 | 0ms | 60 ms | 40ms | 10 s | Pass |

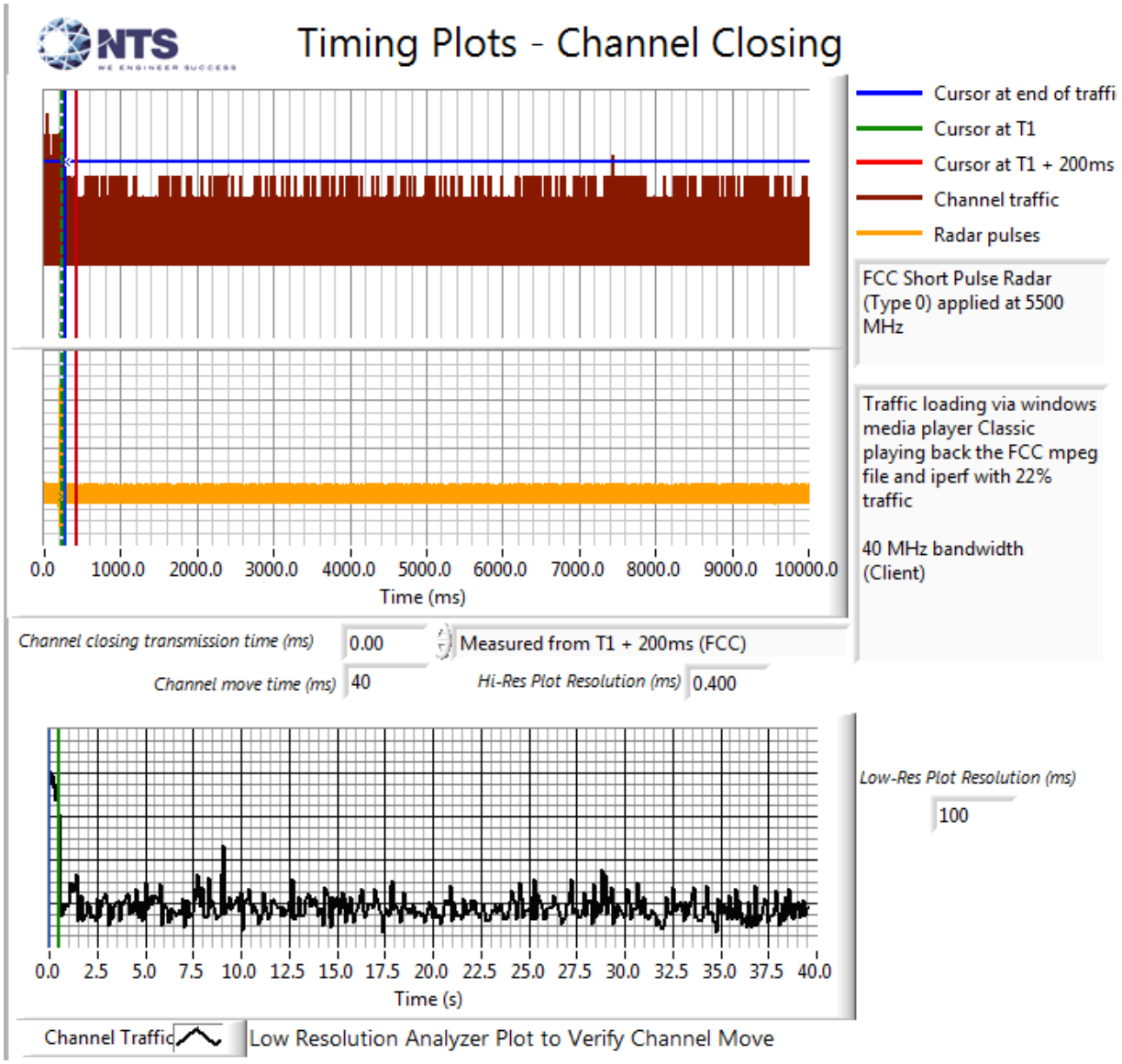



**Figure 14 Channel Closing Time and Channel Move Time (40MHz-Client) – 40 second plot**

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

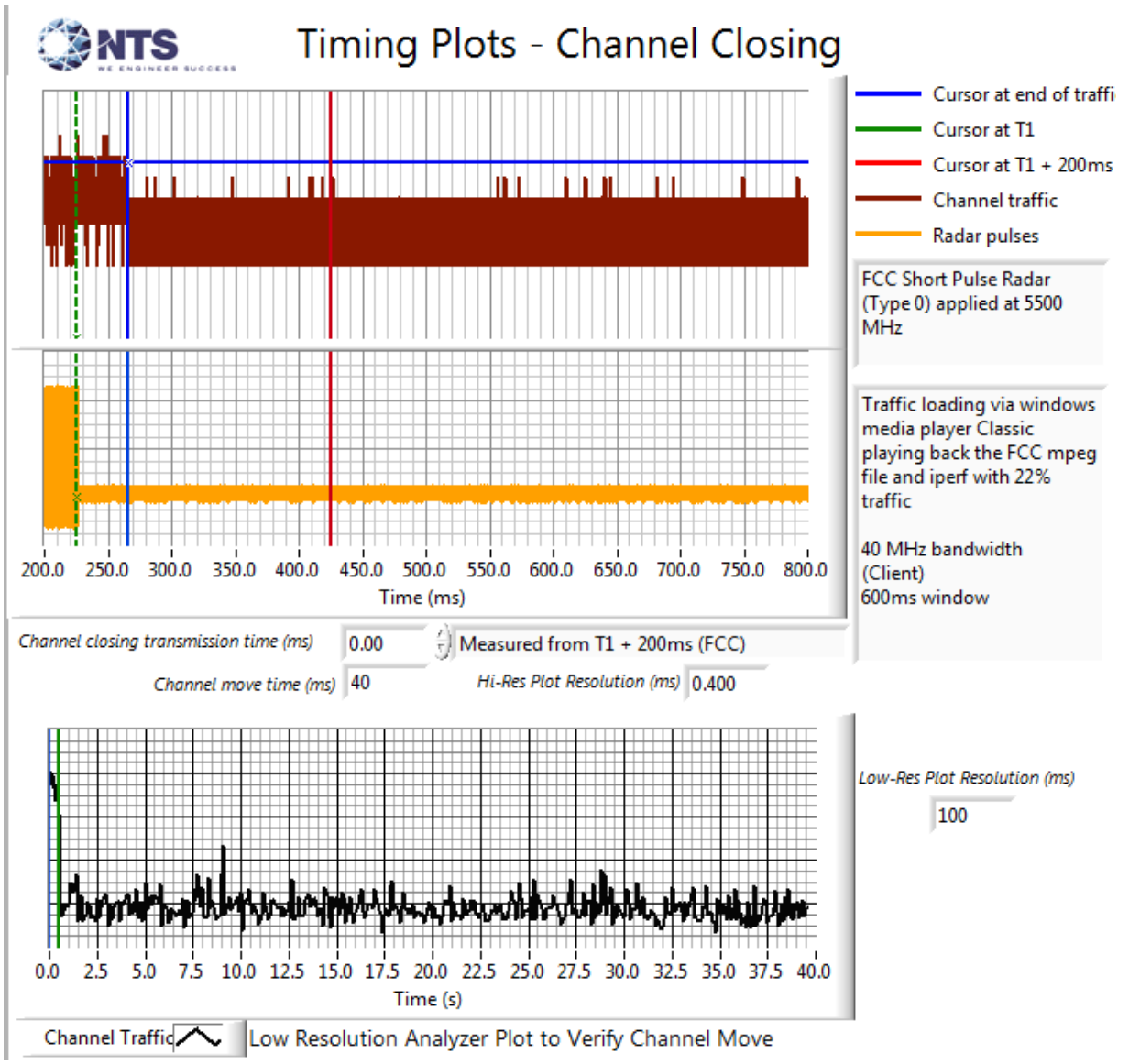



**Figure 15 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar (40MHz-Client)**

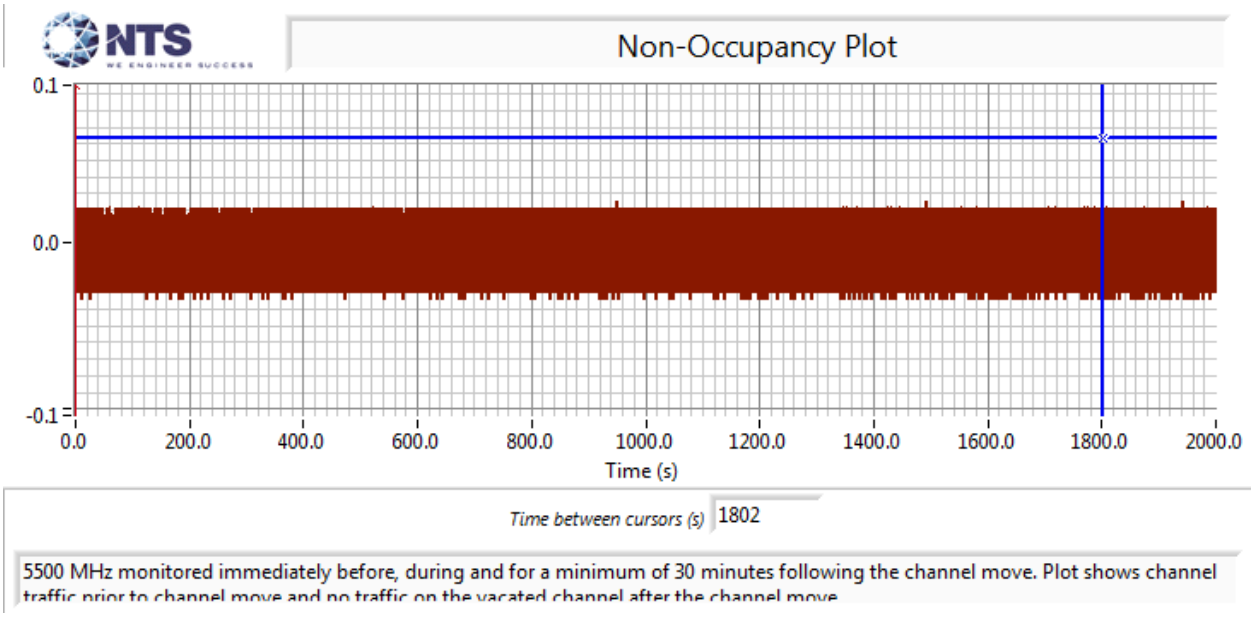



**Figure 16 Radar Channel Non-Occupancy Plot (40MHz)**

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 on the vacated channel after the channel move had been completed.

After the channel move the client device stopped transmitting on the vacated channel.

## Appendix D Test Data – Channel Availability Check

*5250- 5350 MHz, 5470 – 5725 MHz*

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

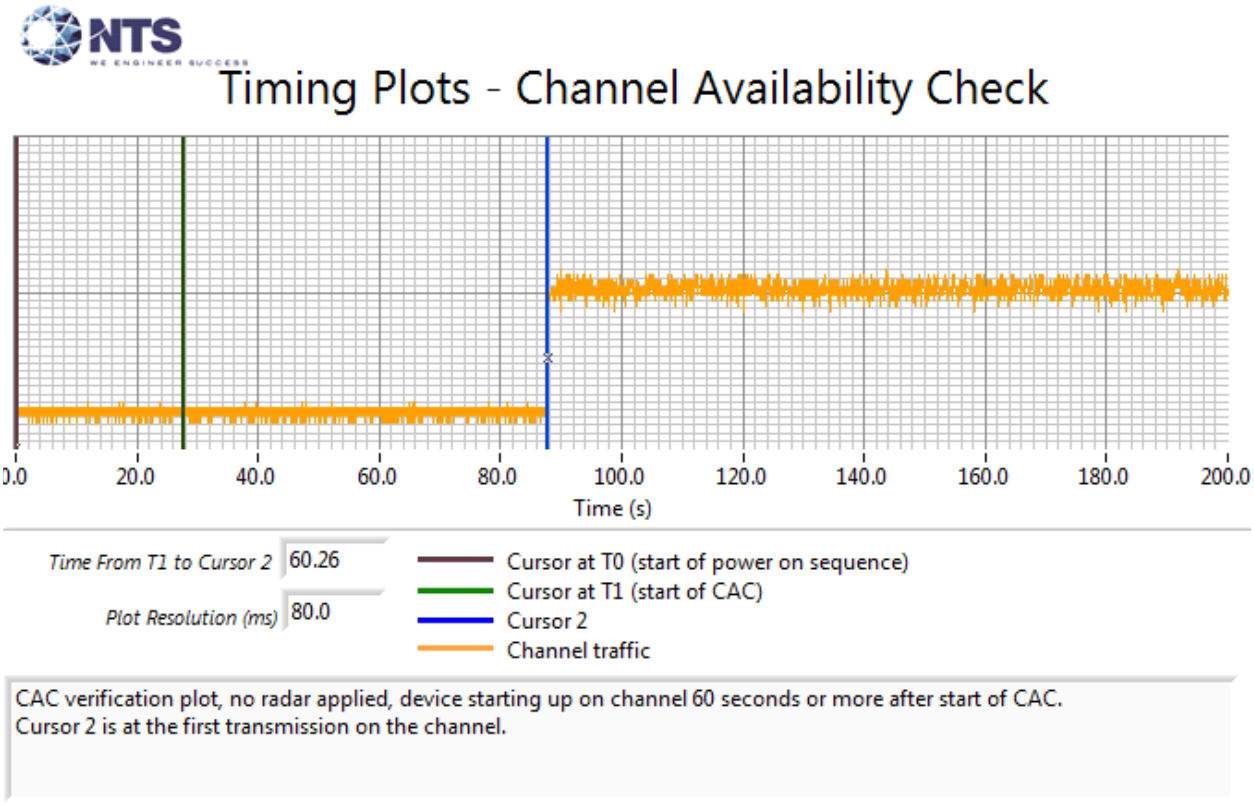



**Figure 17 Plot of EUT Start-Up After CAC**

The channel availability check (CAC) was made by applying type 0 radar during either the first 6 seconds or last 6 seconds of the CAC period.

The level of the radar signal applied was -63dBm. Measurements were made at 5500MHz

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

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

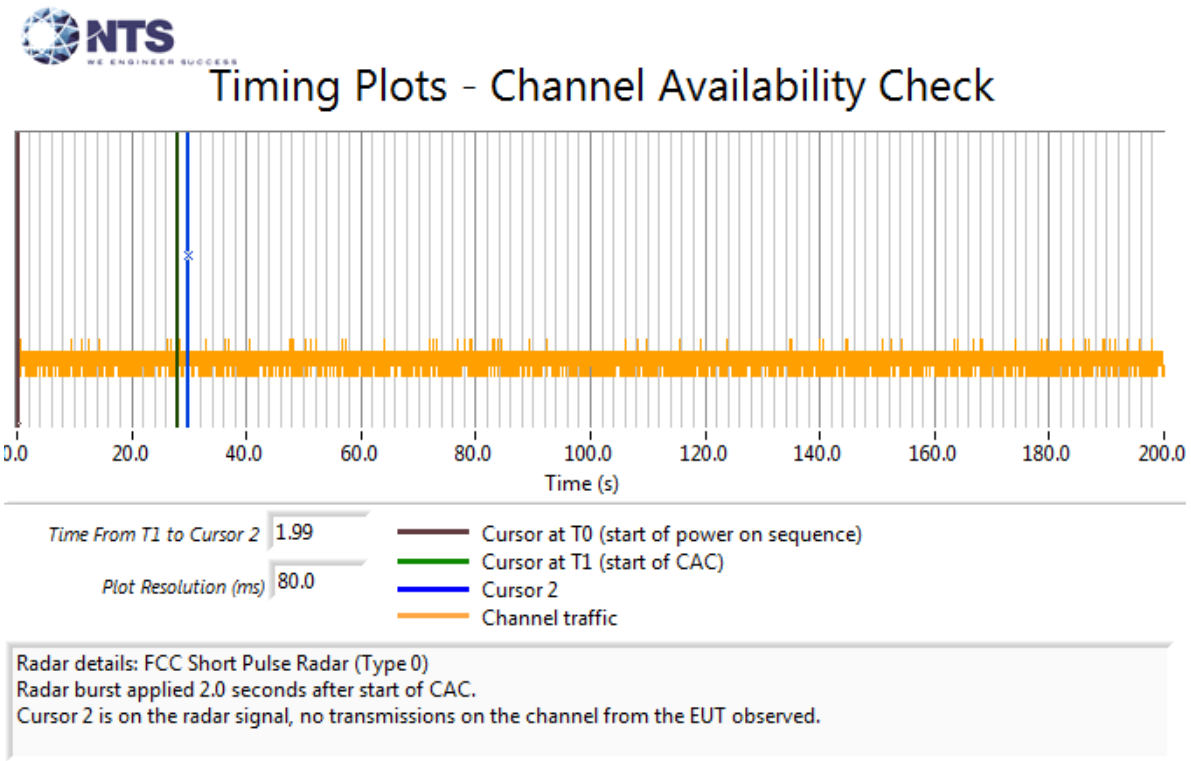



**Figure 18 Radar Applied At Start of CAC**

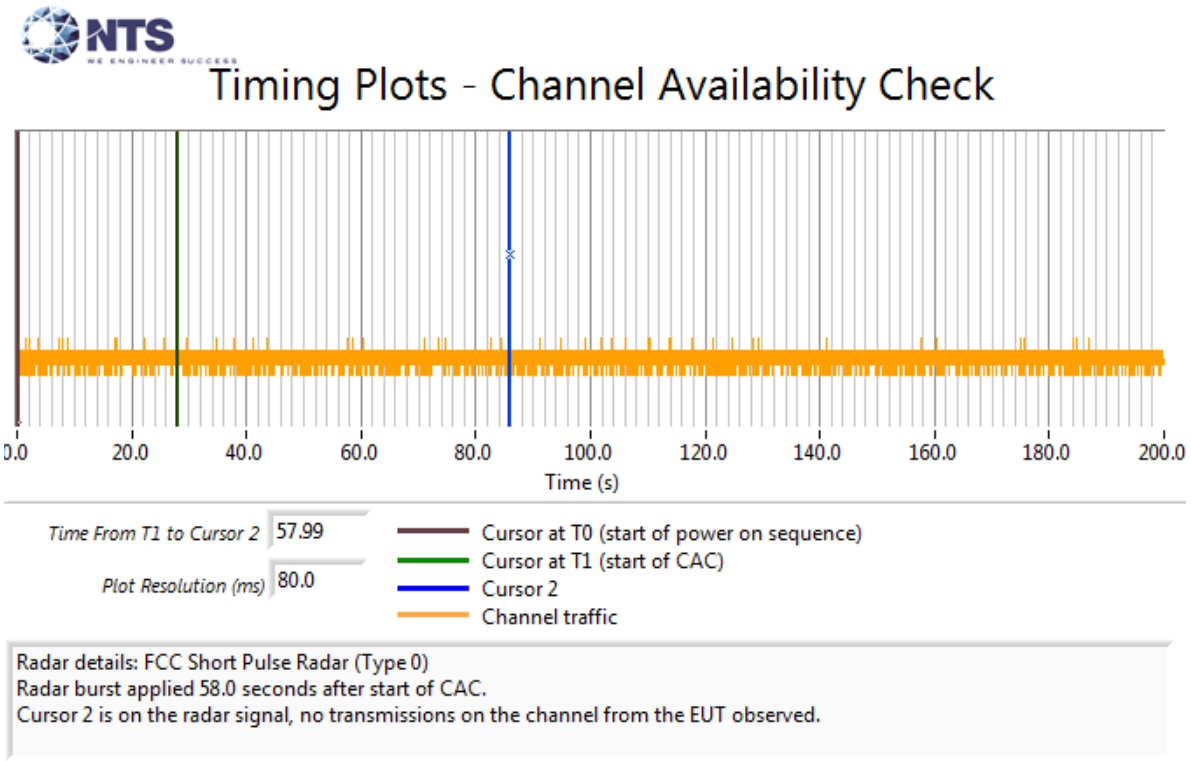


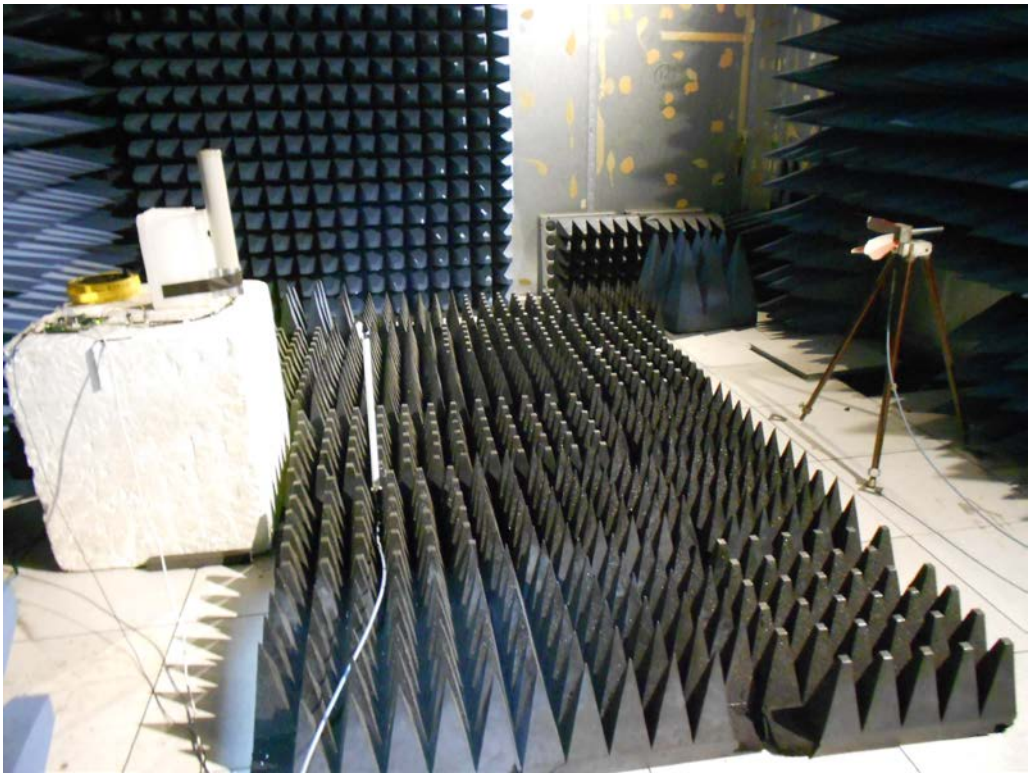

**Figure 19 Radar Applied At End of CAC**

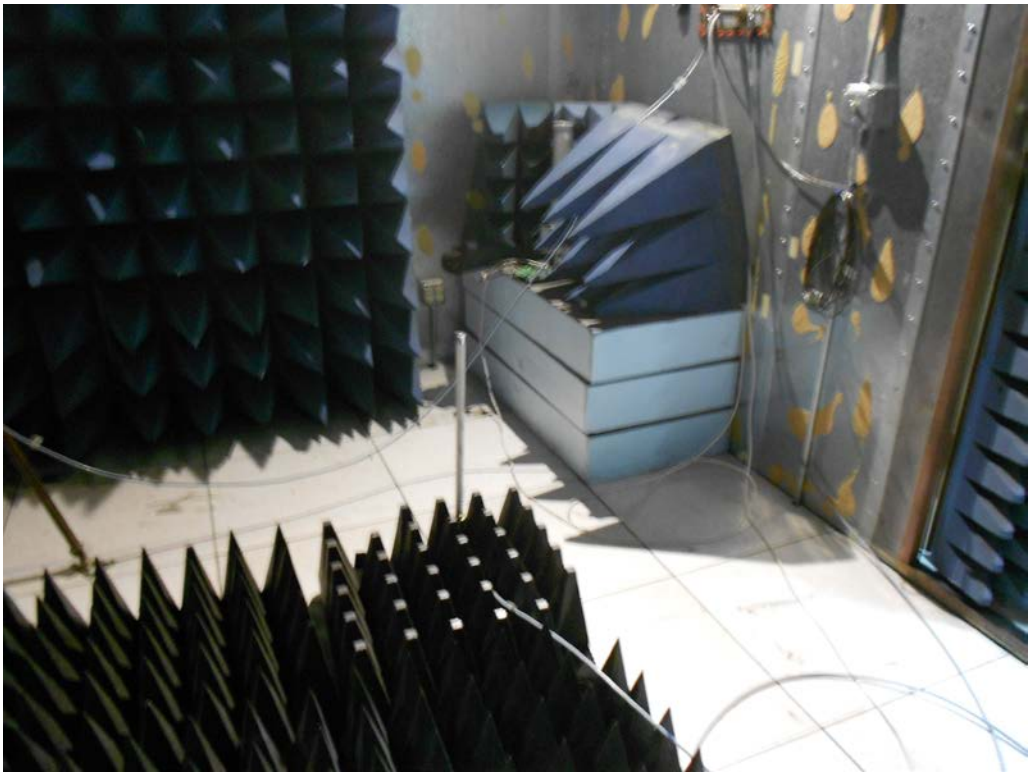
## *Appendix E Antenna Specification*

Antenna used during testing was the HG5158DP-10U, Omnidirectional antenna combines vertical and horizontal polarizations with 10dBi gain, 5.1-5.8GHz.

Other antennas offered are as follows:
A3FT3204LTPD, 3 foot, 4 degree, 32dBi parabolic antenna, 4.9-5.8GHz, dual polarization
30-00328-50, 19dBi, Dual polarization antenna

## *Appendix F Test Configuration Photograph(s)*





*End of Report*

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marks the last page of this test report.