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TEST REPORT

Covering the DYNAMIC FREQUENCY SELECTION (DFS) REQUIREMENTS OF

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

Nextivity Inc. Model(s): D32-2/4NU and D32-2/4CU

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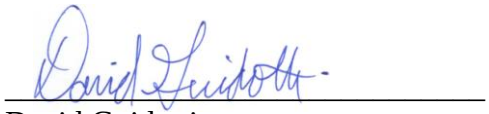

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-	April 22, 2014	Initial Release	-
1	May 7, 2014	Added statement about random selection with uniform distribution for each of the variable parameters on page 24. Added plot of SA noise floor during testing on page 25. Added additional information about radar generator radar pulse calibration on pages 26-31.	David Bare

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SCOPE

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

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

Tests were performed in accordance with these standards together with the current published versions of the basic standards referenced therein including FCC KDB 848637 and the appendix to FCC 06-96 MO&O as outlined in NTS Silicon Valley test procedures. The test results recorded herein are based on a single type test of the Nextivity Inc. model Cel-Fi (D32/4NU and D32-2/4CU system) and therefore apply only to the tested sample. The sample was selected and prepared by Chris Alford of Nextivity Inc..

OBJECTIVE

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

STATEMENT OF COMPLIANCE

The tested sample of the Nextivity Inc. model Cel-Fi (D32/4NU and D32-2/4CU system) complied with the DFS requirements of FCC Part 15.407(h)(2), RSS-210 Annex 9.3.

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

DEVIATIONS FROM THE STANDARD

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

TEST RESULTS

TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE

Table 1 - FCC Part 15 Subpart E, NU Steady State 40 MHz Test Result Summary

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5540 MHz	60 s	≥ 60s	Appendix D	Pass
CAC Detection Threshold	Type 1	5540 MHz	-61dBm	-61dBm (See note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5540 MHz	-61dBm (note 2)	-61dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	5540 MHz	37 MHz	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5540 MHz	0 ms 0 ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5540 MHz	0.2 s 0 s	≤ 10s	Appendix C	Pass
Non-occupancy period	Type 1	5540 MHz	> 30 min	> 30 min	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 6dBi. The limit is based on an eirp of 22dBm.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5470-5725 MHz band.

Table 2 - FCC Part 15 Subpart E, NU Steady State, 30 MHz Test Result Summary

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5540 MHz	Note 4	≥ 60s	Appendix D	Pass
CAC Detection Threshold	Type 1	5540 MHz	Note 4	-61dBm (See note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5540 MHz	-61dBm (note 2)	-61dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	5540 MHz	37 MHz	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5540 MHz	0 ms 0 ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5540 MHz	0.2 s 0 s	≤ 10s	Appendix C	Pass
Non-occupancy period	Type 1	5540 MHz	Note 5	> 30 min	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 6.0dBi. The limit is based on an eirp of 22dBm.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5470-5725 MHz band.
4) CAC is not mode dependent. It assumes 40 MHz bandwidth.
5) Detection Bandwidths and channel frequencies are identical at 30 MHz and 40 MHz bandwidths. Non occupancy tests were only performed in 40 MHz bandwidth mode.

Table 3 - FCC Part 15 Subpart E, NU in CU-Acquire Low Band Test Result Summary

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5293 MHz	Note 4	≥ 60s	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5293 MHz	-61dBm (note 2)	-61dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	5293 MHz	Note 4	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5293 MHz	0 ms 0 ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5293 MHz	0 s 0 s	≤ 10s	Appendix C	Pass
Non-occupancy period	Type 1	5293 MHz	Note 4	> 30 min	Appendix C	-
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 6dBi. The limit is based on an eirp of more than 22dBm. 1dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment per FCC KDB 905462.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5250-5350 MHz band.
4) Covered in Steady State Mode

Table 4 - FCC Part 15 Subpart E, NU in CU-Acquire High Band Test Result Summary

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5540 MHz	Note 4	≥ 60s	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5540 MHz	-61 dBm (note 2)	-61 dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	5540 MHz	Note 4	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5540 MHz	Note 5	≤ 260ms	Appendix C	-
Channel move time	Type 1 Type 5	5540 MHz	Note 5	≤ 10s	Appendix C	-
Non-occupancy period	-	5540 MHz	Note 4	> 30 minutes	Appendix C	-
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 6dBi. The limit is based on an eirp of more than 22dBm. 1dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment per FCC KDB 905462.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.
4) Covered in Steady State Mode.
5) Per the Nextivity DFS Implementation Proposal for Cel-Fi U-NII Link v07, tests for Channel Closing and Move Times are not required in the CU Acquire mode in the high band.

Table 5 - FCC Part 15 Subpart E, CU Steady State 30 MHz Test Result Summary

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5280 MHz	-61dBm (note 2)	-61dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	5280 MHz	39 MHz	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5280 MHz	153 ms 0 ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5280 MHz	0 s 0 s	≤ 10s	Appendix C	Pass
Non-occupancy period	-		Note 4	> 30 min	Appendix C	Pass
Uniform Loading		-	-	Uniform Loading	Refer to operational description	Pass

1) Tests were performed using the radiated test method. The CU does not perform CAC
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 6dBi. The limit is based on an eirp of more than 22dBm. 1dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment per FCC KDB 905462.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5250-5350 MHz band.
4) Detection Bandwidths and channel frequencies are identical at 30 MHz and 40 MHz bandwidths. Non occupancy tests were only performed in 40 MHz bandwidth mode.

Table 6 - FCC Part 15 Subpart E, CU Steady State 40 MHz Test Result Summary

Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5280 MHz	-61 dBm (note 2)	-61dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	5280 MHz	39 MHz	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5280 MHz	152 ms 0 ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5280 MHz	0 s 0 s	≤ 10s	Appendix C	Pass
Non-occupancy period	-	5280 MHz	> 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. The CU does not perform CAC.
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 6dBi. The limit is based on an eirp of more than 22dBm. 1dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment per FCC KDB 905462.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5250-5350 MHz band.

MEASUREMENT UNCERTAINTIES

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

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

EQUIPMENT UNDER TEST (EUT) DETAILS

GENERAL

The the Nextivity Inc. model Cel-Fi (D32-2/NU and D32-2/CU System) is a WCDMA/LTE Cellular Repeater for indoor residential use. The system is composed of two units, the Network Unit (NU) and the Coverage Unit (CU) that connect wirelessly over a full-duplex wireless link in the RLAN band using a mixed OFDM and mixed cellular signal (up to three 5 MHz cellular channels) over a 30 MHz and 40 MHz channel in each direction.

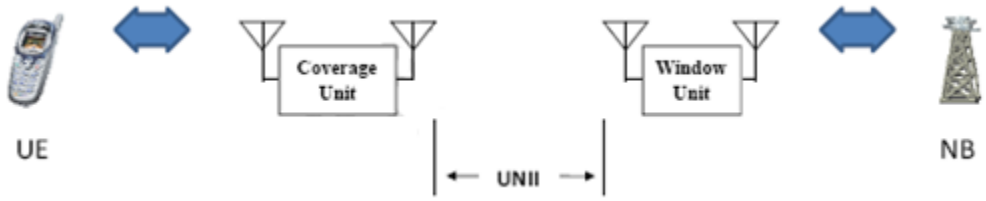


Figure 1 WU and CU Configuration

The NU is responsible for allocating the duplex channels for both the NU and CU. It performs the Channel Availability Check (CAC). To satisfy the uniform loading requirement, the NU scans all U-NII channels to perform a RSSI measurement prior to channel selection. The pair of selected channels are randomly chosen from among those whose RSSI value is below a specified threshold. Those channels whose nominal bandwidth occupies the 5600-5650 MHz band may be omitted from the list of usable channels during initial power up. Accordingly, the NU omits channels occupying 5600-5650 MHz during initial channel selection.

The sample was received on March 11, 2014 and tested on March 11 2014 through April 1, 2014. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
Nextivity Inc.	D32-2/4NU	Network Unit	174406000251
Nextivity Inc.	D32-2/4CU	Coverage Unit	175406000357
Hon-Kwang	HK-AB-120A250-US	AC Adapter	DA0 0000124
Hon-Kwang	HK-AB-120A250-US	AC Adapter	DA0 000107

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

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

☒ Master Device 5250-5350 MHz (The NU device acts as a Master in the 5250-5350MHz band only during CU Synchronization or Acquire mode.)

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

Operating Modes (5250 – 5350 MHz,) - CU

☒ Master Device 5250-5350 MHz

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

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	6	6
Highest Antenna Gain (dBi)	6	6
EIRP Output Power (dBm)	22	Note

Note – The WU does not transmit in the 5470-5725 MHz band but does receive in this band.

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

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	6	6
Highest Antenna Gain (dBi)	6	6
EIRP Output Power (dBm)	Note	22

Note – The CU does not transmit in the 5250-5350 MHz band but does receive in this band.

☒ Power can exceed 200mW eirp

Channel Protocol

☐ IP Based

☒ Frame Based

ENCLOSURE

The CU and NU are primarily constructed of plastic. It measures approximately 16.0x14.5x6.0cm.

MODIFICATIONS

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

SUPPORT EQUIPMENT

The following equipment was used as support equipment for testing:

Manufacturer	Model	Description	Serial Number	FCC ID
Nextivity Inc.	D32-2/4NU	Network Unit	174406000251	-
Nextivity Inc.	D32-2/4CU	Coverage Unit	175406000357	-
Dell	PP18L	Laptop Computer	3GS83F1	-

The NU and the CU are both Master devices during normal operation in their respective bands.

EUT INTERFACE PORTS

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

		Cable(s)		
Port	Connected To	Description	Shielded or Unshielded	Length (m)
NU	Laptop	USB	Shielded	5.0
CU	Laptop	USB	Shielded	5.0

EUT OPERATION

The EUT was operating with the following software 5.0.12. The software is secured by encryption to prevent the user from disabling the DFS function.

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

The start of the Channel Availability Check was 7.1 seconds after the command to change channel was sent.

During the tests the system was configured as described in the Nextivity DFS Implementation Proposal v07 document for each of the modes tested. The signal generator was used to act like a Base Station for simulating a Cell signal to the WU during testing.

In the CU Synchronization or Acquire Mode, the NU traffic on the channel is set at 50% duty cycle in software. In Steady State mode, the traffic on the channel is continuous on F_L for the NU and on F_H for the CU. In Steady State mode, the NU is only receiving on F_H and the CU is only receiving on F_L. Refer to refer to Figure 3 Appendix E.

RADAR WAVEFORMS

Table 7 - FCC Short Pulse Radar Test Waveforms					
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses / burst	Minimum Detection Percentage	Minimum Number of Trials
1	1	1428	18	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Table 8 - 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 9 - FCC Frequency Hopping Radar Test Waveforms							
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses / hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Detection Percentage	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

DFS TEST METHODS

RADIATED TEST METHOD

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

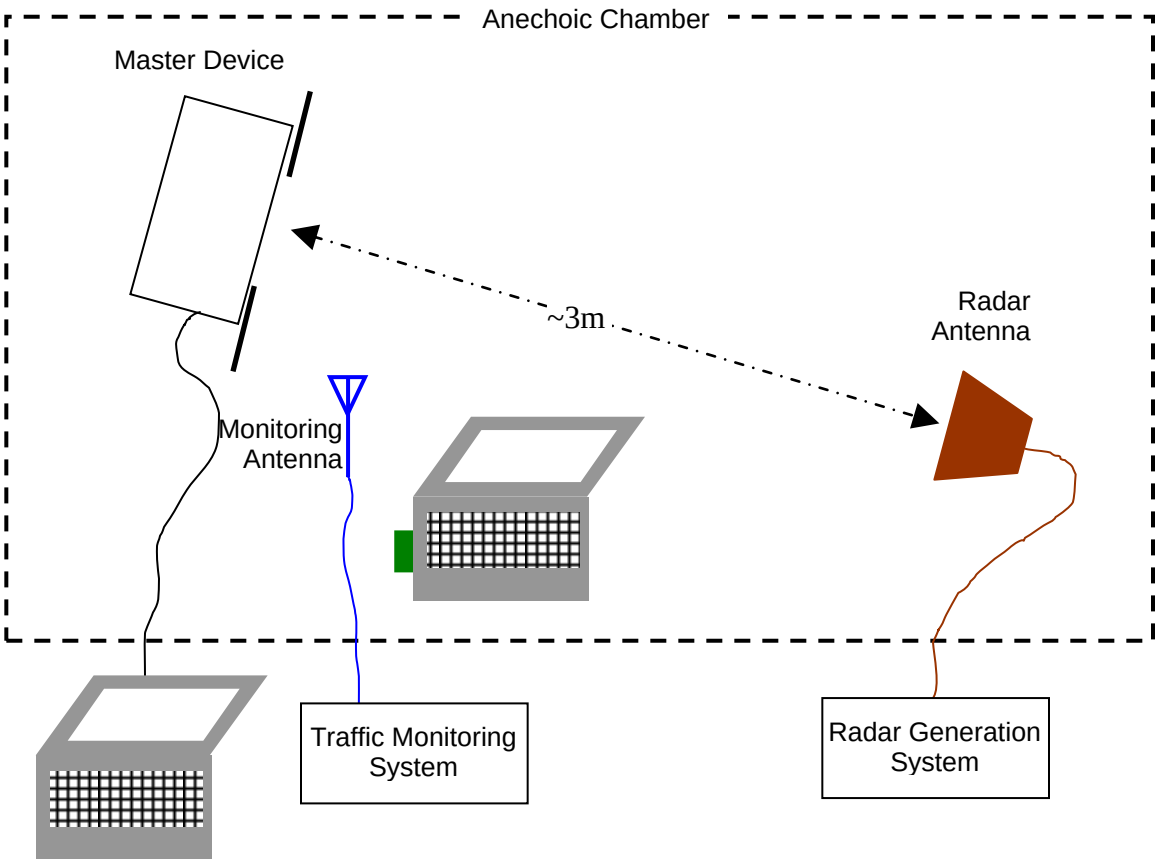


Figure 2 Test Configuration for radiated Measurement Method

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 CW signal with the AGC function switched on. Correction factors to account for the fact that pulses are generated with the AGC functions switched off are measured annually and an offset is used to account for this in the software.

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

CHANNEL MONITORING SYSTEM

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

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

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

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

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

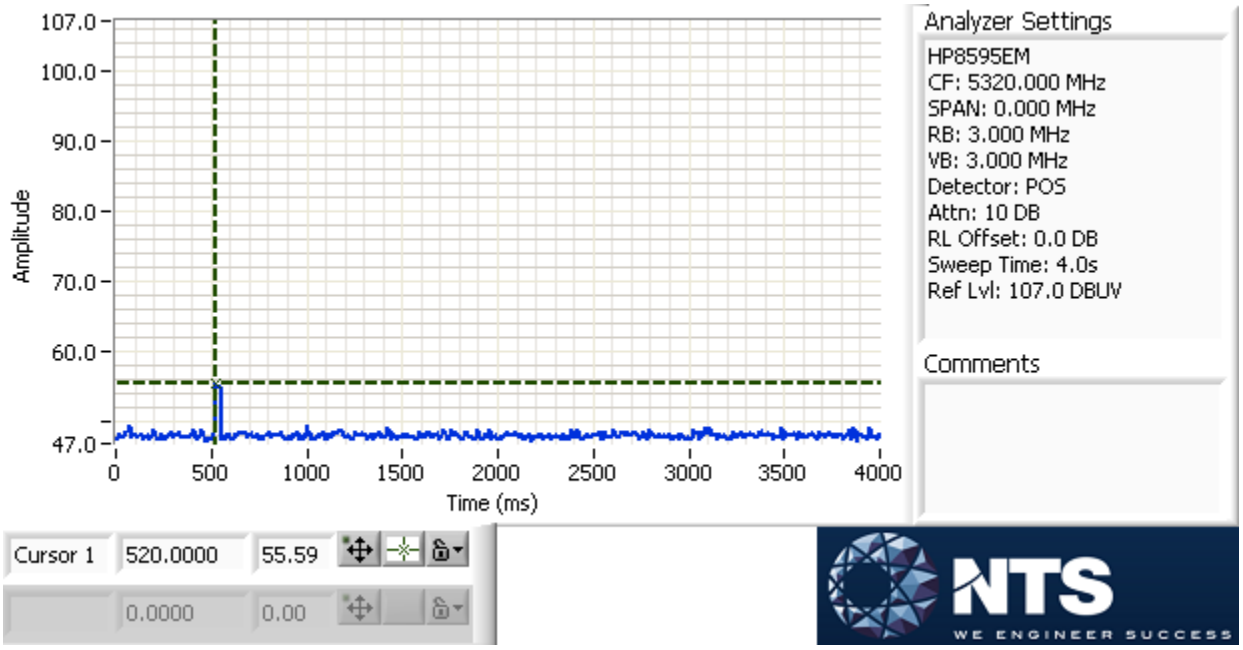


Figure 3 - SA Noise Floor During Testing (radar shown at 520 ms)

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.

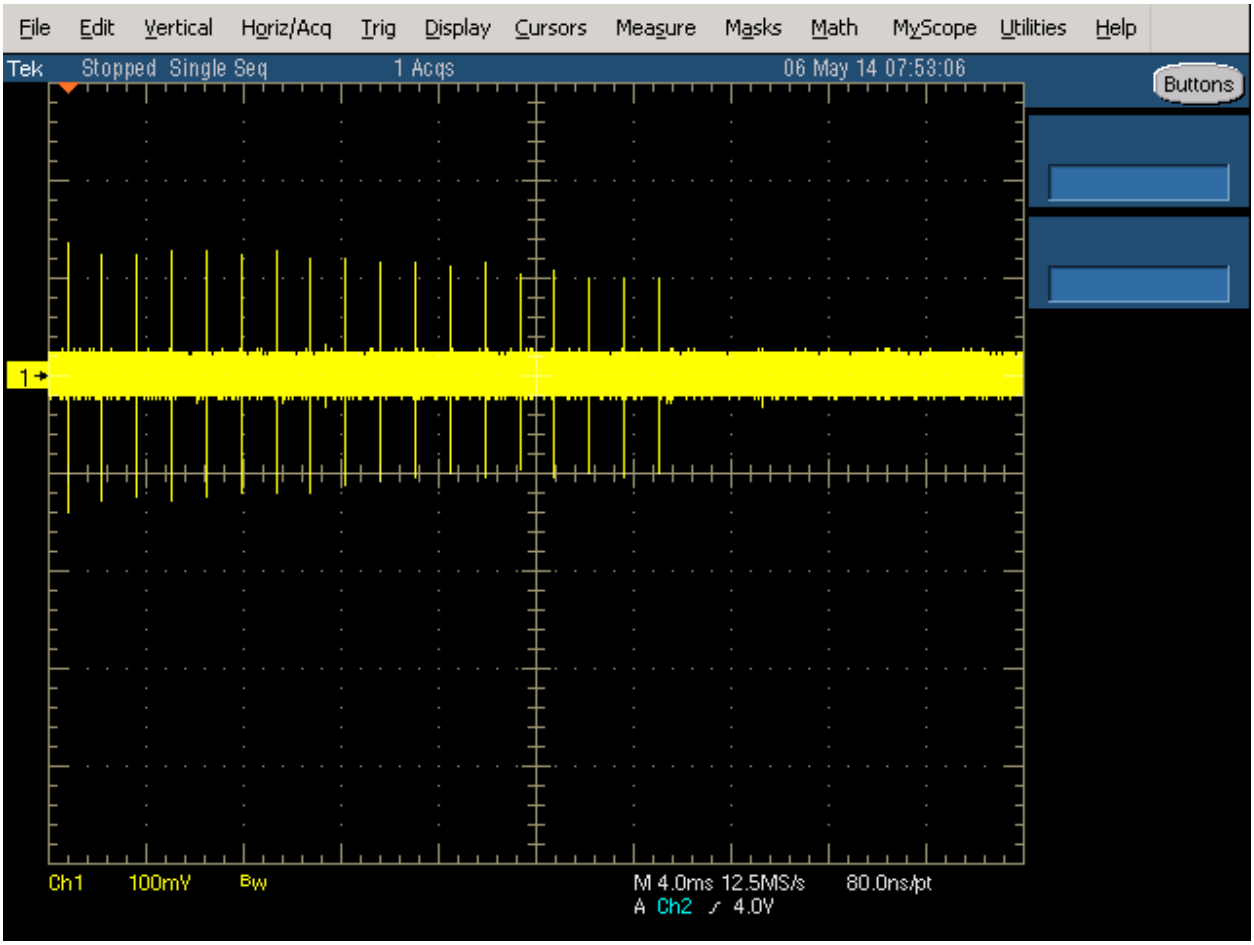


Figure 4 - FCC Type 1 Radar (18 pulses)

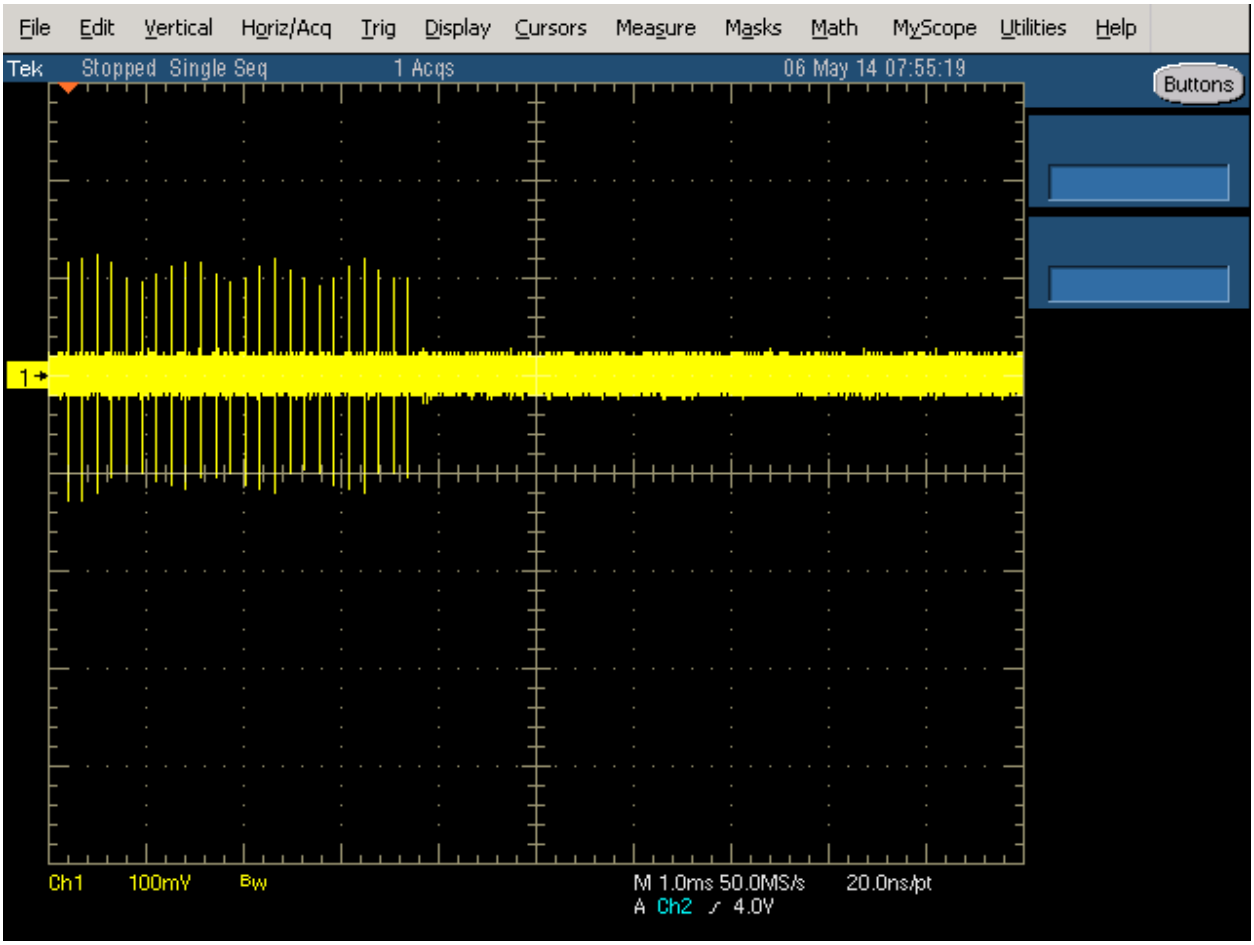


Figure 5 - FCC Type 2 Radar (24 pulses)

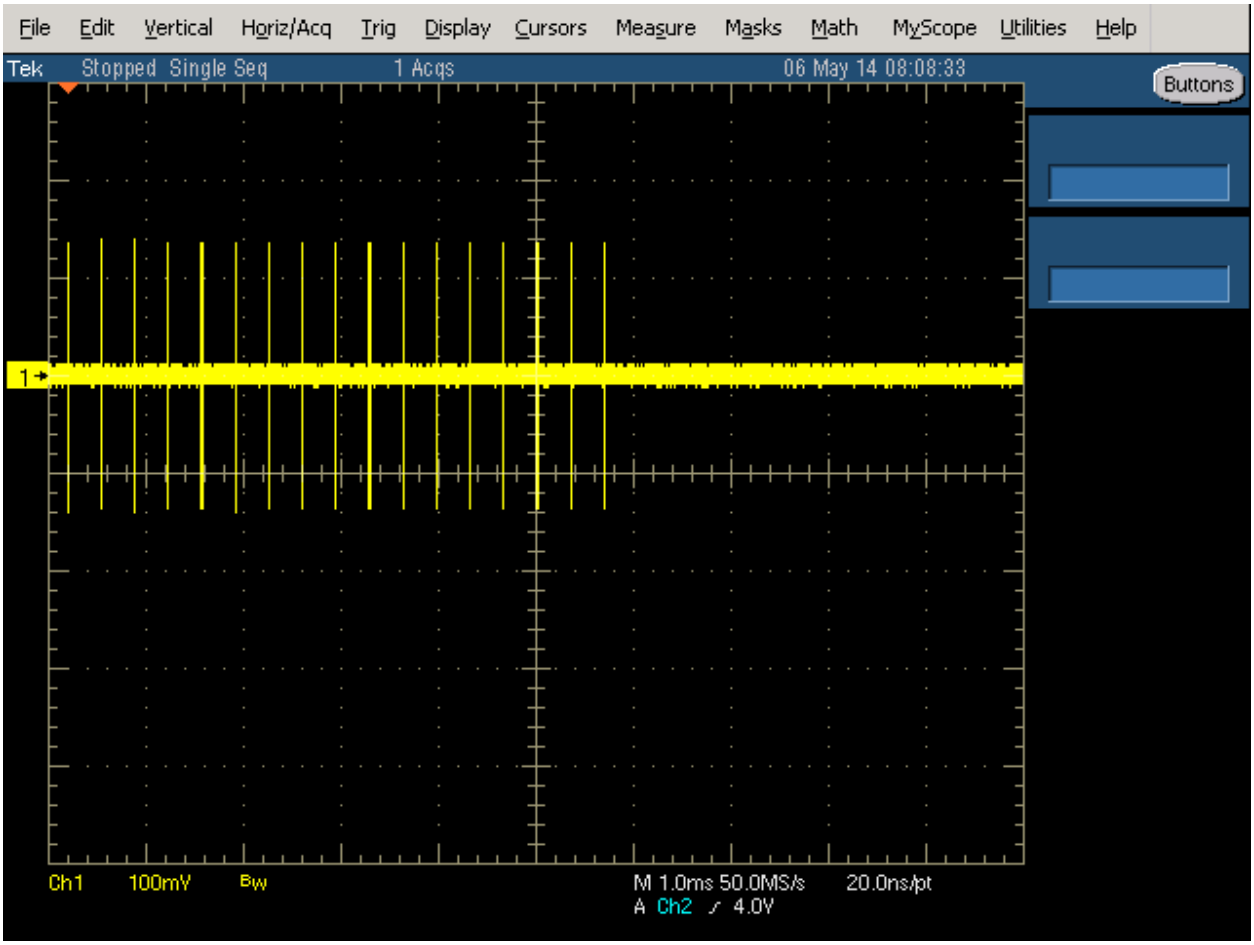


Figure 6 - FCC Type 3 Radar (17 pulses)

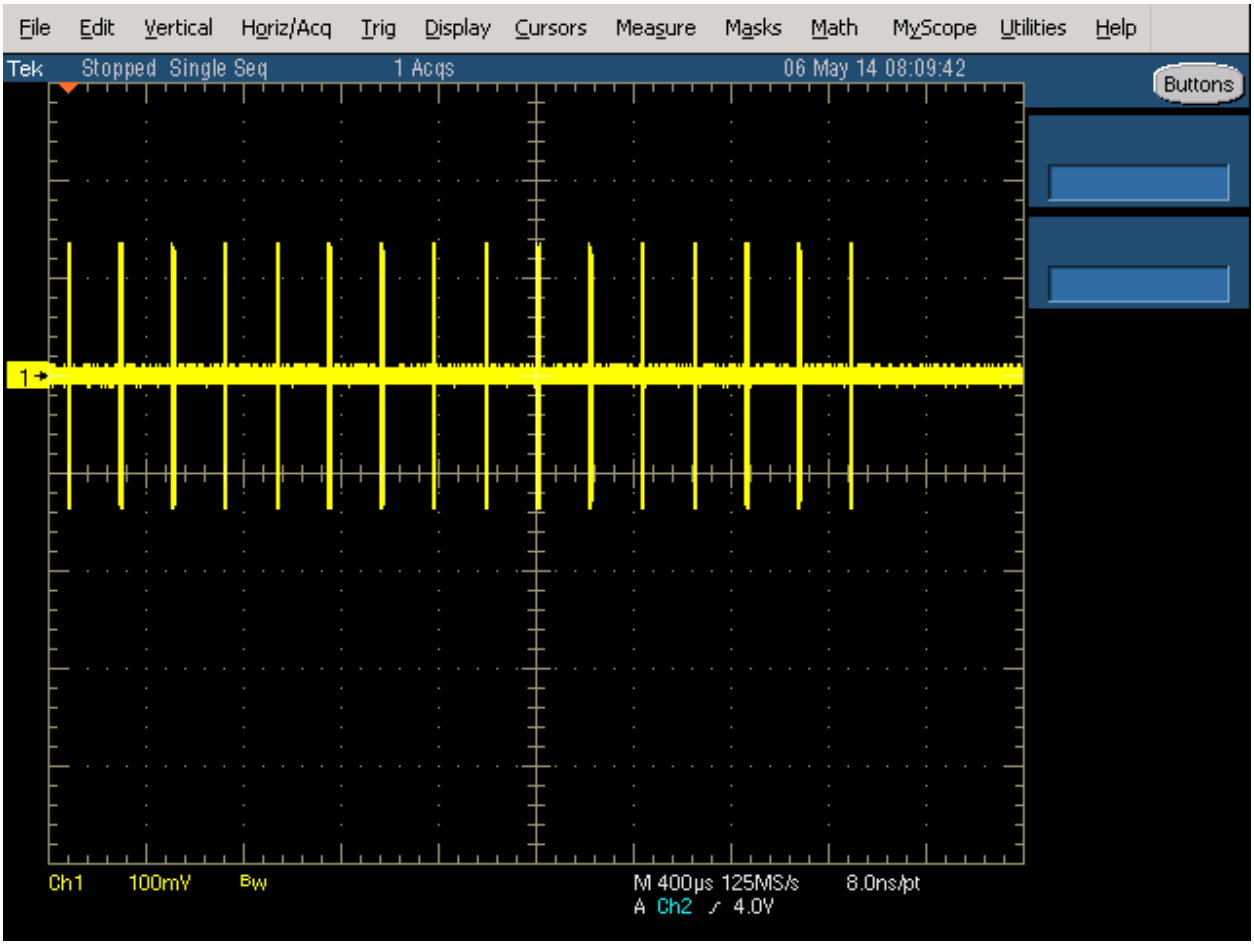


Figure 7 - FCC Type 4 Radar (16 pulses)

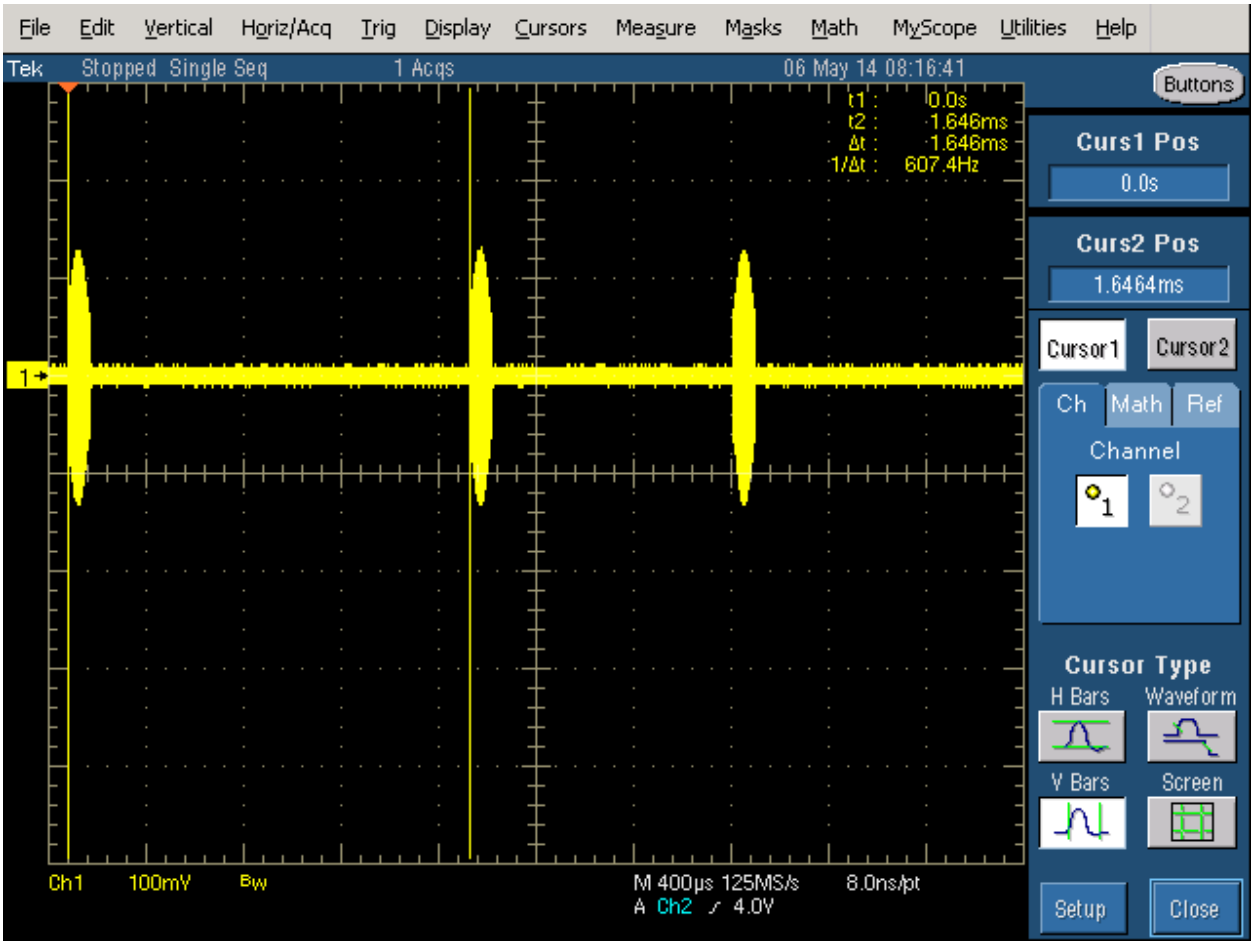


Figure 8 - FCC Type 5 Radar (burst with three pulses, 1650 µs first period)

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

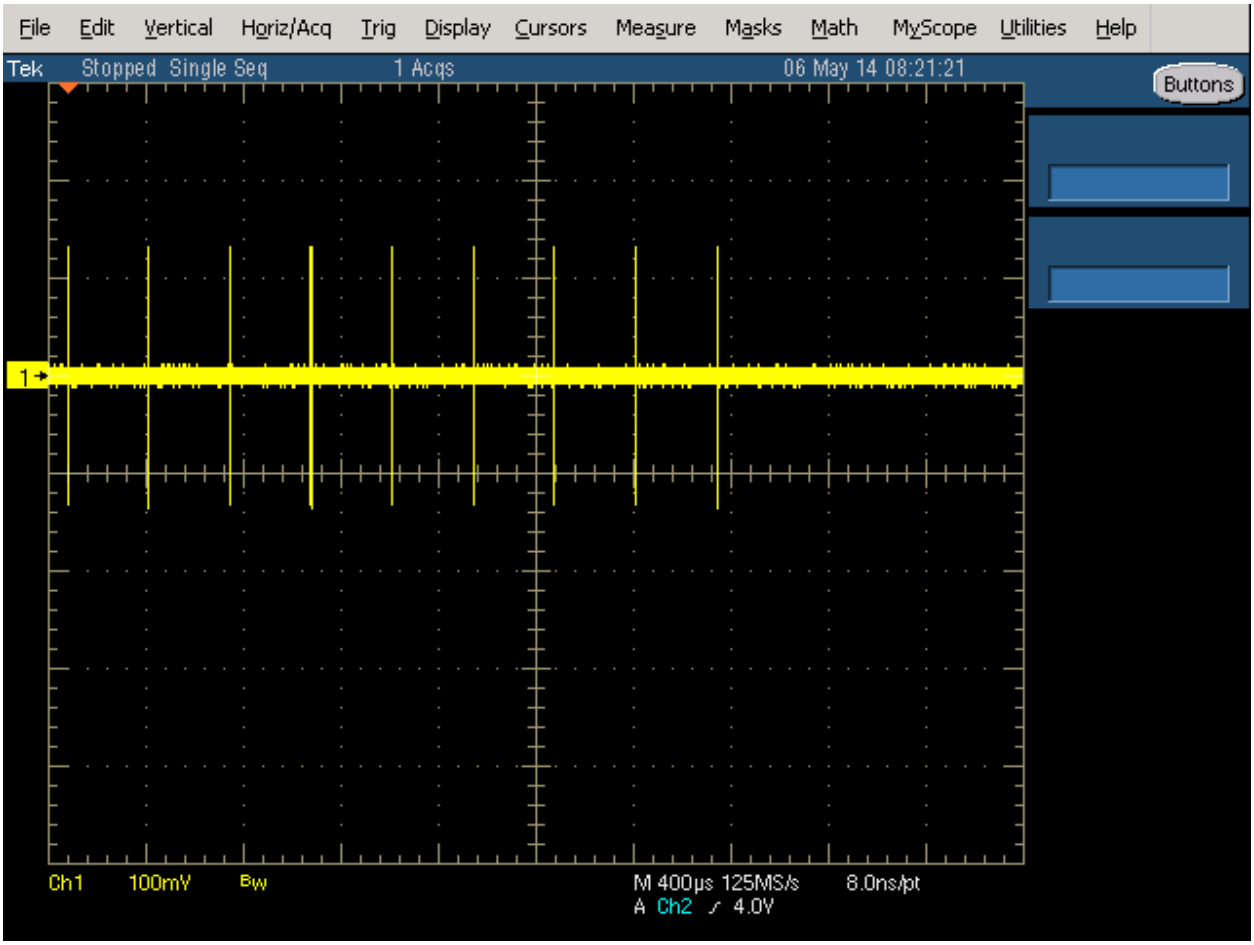


Figure 9 - FCC Type 6 Radar (9 pulses in each burst)

DFS MEASUREMENT METHODS

DFS RADAR DETECTION BANDWIDTH

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

DFS – CHANNEL CLOSING TRANSMISSION TIME AND CHANNEL MOVE TIME

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

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

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

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

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	8595EM	787	20-Aug-14
EMCO	Antenna, Horn, 1-18 GHz	3115	2732	12-Nov-14
EMCO	Antenna, Horn, 1-18 GHz	3117	1662	25-May-14
Agilent Technologies	PSG Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	05-Jun-14
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052B	2118	23-Oct-14

Appendix B Test Data Tables for Radar Detection Probability

Table 10 - Detection Bandwidth Measurements (Bandwidth: ±18MHz) NU 30MHz Steady State					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5521.00 MHz	0	3	0
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5522.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5523.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5524.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5525.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5526.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5527.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5528.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5529.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5530.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5531.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5532.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5533.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5534.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5535.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5536.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5537.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5538.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5539.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5540.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5541.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5542.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5543.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5544.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5545.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5546.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5547.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5548.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5549.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5550.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5551.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5552.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5553.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5554.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5555.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5556.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5557.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5558.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5559.00 MHz	0	3	0

Table 11 - Detection Bandwidth Measurements (Bandwidth: ±18MHz) CU 30MHz Steady State					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5274.00 MHz	0	3	0
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5275.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5276.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5277.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5278.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5279.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5280.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5281.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5282.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5283.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5284.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5285.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5286.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5287.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5288.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5289.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5290.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5291.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5292.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5293.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5294.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5295.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5296.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5297.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5298.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5299.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5300.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5301.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5302.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5303.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5304.00 MHz	9	1	90
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5305.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5306.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5307.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5308.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5309.00 MHz	9	1	90
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5310.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5311.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5312.00 MHz	0	3	0

Table 12 - Detection Bandwidth Measurements (Bandwidth: ±18MHz) NU 40MHz Steady State					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5521.00 MHz	0	3	0
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5522.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5523.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5524.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5525.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5526.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5527.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5528.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5529.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5530.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5531.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5532.00 MHz	9	1	90
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5533.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5534.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5535.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5536.00 MHz	9	1	90
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5537.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5538.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5539.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5540.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5541.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5542.00 MHz	9	1	90
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5543.00 MHz	9	1	90
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5544.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5545.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5546.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5547.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5548.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5549.00 MHz	9	1	90
5549.00 MHz	FCC Short Pulse Radar (Type 1)	5550.00 MHz	10	0	100
5549.00 MHz	FCC Short Pulse Radar (Type 1)	5551.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5552.00 MHz	9	1	90
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5553.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5554.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5555.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5556.00 MHz	10	0	100
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5557.00 MHz	9	1	90
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5558.00 MHz	9	1	90
5540.00 MHz	FCC Short Pulse Radar (Type 1)	5559.00 MHz	0	3	0

Table 13 - Detection Bandwidth Measurements (Bandwidth: ±18MHz) CU 40MHz Steady State					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5274.00 MHz	0	3	0
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5275.00 MHz	9	1	90
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5276.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5277.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5278.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5279.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5280.00 MHz	9	1	90
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5281.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5282.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5283.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5284.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5285.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5286.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5287.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5288.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5289.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5290.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5291.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5292.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5293.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5294.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5295.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5296.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5297.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5298.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5299.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5300.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5301.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5302.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5303.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5304.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5305.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5306.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5307.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5308.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5309.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5310.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5311.00 MHz	10	0	100
5293.00 MHz	FCC Short Pulse Radar (Type 1)	5312.00 MHz	0	3	0

Table 14 - FCC Short Pulse Radar (Type 1) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
4	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
7	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
22	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
27	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 15 - FCC Short Pulse Radar (Type 2) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	24	2.3	201.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	24	2.6	174.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	28	4.6	208.0	Yes	5530.0MHz, -61.0dBm	Single burst
4	25	2.5	166.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	25	3.9	172.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	29	1.6	193.0	Yes	5540.0MHz, -61.0dBm	Single burst
7	23	1.2	171.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	26	3.4	159.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	28	2.4	222.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	24	3.6	187.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	29	2.8	219.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	27	1.3	222.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	24	4.2	180.0	No	5530.0MHz, -61.0dBm	Single burst
14	28	3.6	159.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	27	1.4	160.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	25	1.9	217.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	27	2.8	166.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	24	1.2	215.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	23	4.3	200.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	27	5.0	153.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	27	2.5	192.0	Yes	5540.0MHz, -61.0dBm	Single burst
22	26	1.7	179.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	29	1.2	219.0	No	5530.0MHz, -61.0dBm	Single burst
24	26	4.6	193.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	26	2.9	199.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	24	3.7	215.0	Yes	5540.0MHz, -61.0dBm	Single burst
27	23	2.0	187.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	29	3.4	185.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	26	4.2	158.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	26	2.1	224.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 16 - FCC Short Pulse Radar (Type 3) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	7.1	469.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	17	7.8	205.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	17	9.9	247.0	Yes	5530.0MHz, -61.0dBm	Single burst
4	17	9.3	305.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	18	7.3	376.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	16	7.2	328.0	Yes	5540.0MHz, -61.0dBm	Single burst
7	16	8.2	384.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	17	9.0	363.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	17	6.7	241.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	17	8.8	373.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	16	8.6	457.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	16	8.6	387.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	16	8.1	342.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	18	8.4	413.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	16	7.3	225.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	16	8.8	254.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	16	8.0	237.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	17	7.4	287.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	17	9.8	266.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	17	8.5	234.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	18	7.2	487.0	Yes	5540.0MHz, -61.0dBm	Single burst
22	16	7.7	473.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	16	9.0	322.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	18	7.8	332.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	17	6.5	493.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	17	6.6	435.0	Yes	5540.0MHz, -61.0dBm	Single burst
27	18	6.0	431.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	17	8.7	400.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	18	6.9	242.0	No	5550.0MHz, -61.0dBm	Single burst
30	18	9.2	472.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 17 - FCC Short Pulse Radar (Type 4) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	14	15.2	450.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	12	12.7	407.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	14	11.8	237.0	Yes	5530.0MHz, -61.0dBm	Single burst
4	14	17.3	207.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	13	16.4	268.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	15	15.6	385.0	Yes	5540.0MHz, -61.0dBm	Single burst
7	15	18.7	290.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	13	14.1	490.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	15	17.9	423.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	13	14.8	294.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	16	11.0	441.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	13	20.0	433.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	12	13.7	430.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	16	14.6	480.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	14	11.6	483.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	14	13.5	489.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	14	19.5	357.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	14	16.7	482.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	14	19.5	489.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	14	12.6	474.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	13	11.5	455.0	Yes	5540.0MHz, -61.0dBm	Single burst
22	14	12.7	230.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	14	19.4	271.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	13	19.8	284.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	13	18.3	481.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	13	18.9	427.0	Yes	5540.0MHz, -61.0dBm	Single burst
27	15	12.5	454.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	13	11.7	279.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	15	13.9	383.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	13	14.2	400.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 18 - FCC frequency hopping radar (Type 6) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5557.0MHz, -61.0dBm	Hop sequence: 5408, 5510, 5385, 5524, 5389, 5435, 5532, 5714, 5450, 5444, 5691, 5538, 5284, 5621, 5343, 5562, 5483, 5688, 5535, 5584, 5324, 5603, 5509, 5497, 5624, 5511, 5540, 5275, 5678, 5402, 5304, 5703, 5675, 5300, 5384, 5313, 5417, 5708, 5366, 5508, 5477, 5328, 5251, 5530, 5395, 5364, 5672, 5605, 5659, 5543, 5413, 5588, 5709, 5420, 5377, 5674, 5618, 5356, 5257, 5455, 5665, 5368, 5319, 5639, 5415, 5271, 5268, 5670, 5641, 5374, 5335, 5619, 5552, 5499, 5373, 5692, 5341, 5433, 5291, 5664, 5546, 5256, 5490, 5292, 5318, 5628, 5572, 5541, 5290, 5702, 5361, 5363, 5391, 5655, 5351, 5403, 5507, 5307, 5423, 5506 (10 hits)
2	9	1.0	333.0	Yes	5558.0MHz, -61.0dBm	Hop sequence: 5278, 5704, 5643, 5344, 5527, 5595, 5471, 5697, 5489, 5266, 5416, 5640, 5311, 5520, 5644, 5583, 5417, 5414, 5629, 5541, 5486, 5608, 5624, 5346, 5372, 5381, 5389, 5645, 5516, 5701, 5279, 5549, 5548, 5655, 5514, 5553, 5487, 5291, 5626, 5341, 5321, 5505, 5599, 5501, 5335, 5666, 5422, 5618, 5484, 5596, 5611, 5437, 5253, 5692, 5431, 5506, 5522, 5411, 5667, 5638, 5340, 5261, 5324, 5355, 5256, 5430, 5580, 5498, 5535, 5384, 5552, 5598, 5401, 5456, 5623, 5283, 5367, 5662, 5721, 5252, 5717, 5493, 5434, 5545, 5691, 5402, 5425, 5275, 5292, 5474, 5657, 5329, 5659, 5556, 5403, 5314, 5581, 5423, 5428, 5568 (10 hits)
3	9	1.0	333.0	Yes	5522.0MHz, -61.0dBm	Hop sequence: 5374, 5306, 5353, 5489, 5648, 5503, 5356, 5339, 5487, 5329, 5651, 5474, 5424, 5712, 5565, 5491, 5486, 5684, 5348, 5290, 5625, 5617, 5568, 5559, 5650, 5527, 5473, 5402, 5313, 5370, 5423, 5279, 5702, 5391, 5624, 5556, 5320, 5308, 5620, 5525, 5342, 5325, 5544, 5422, 5418, 5461, 5327, 5627, 5521, 5251, 5720, 5710, 5661, 5580, 5269, 5440, 5303, 5431, 5326, 5401, 5630, 5601, 5343, 5536, 5357, 5414, 5531, 5538, 5260, 5281, 5691, 5314, 5416, 5434, 5282, 5496, 5296, 5722, 5345, 5721, 5388, 5534, 5369, 5400, 5719, 5550, 5506, 5664, 5435, 5614, 5307, 5262, 5302, 5412, 5642, 5409, 5468, 5397, 5557, 5372 (10 hits)
4	9	1.0	333.0	Yes	5523.0MHz, -61.0dBm	Hop sequence: 5290, 5446, 5592, 5330, 5414, 5607, 5541, 5283, 5386, 5333, 5576, 5447, 5626, 5340, 5396, 5350, 5558, 5407, 5362, 5534, 5620, 5252, 5278, 5552, 5346, 5505, 5560, 5530, 5294, 5533, 5584, 5660, 5431, 5412, 5385, 5272, 5675, 5672, 5724, 5504, 5306, 5708, 5481, 5519, 5397, 5664, 5603, 5551, 5314, 5282, 5595, 5696, 5363, 5651, 5381, 5710, 5633, 5478, 5563, 5681, 5539, 5425, 5318, 5465, 5702, 5502, 5634, 5531, 5351, 5309, 5516, 5477, 5484, 5250, 5389, 5636, 5437, 5648, 5567, 5321, 5700, 5299, 5687, 5474, 5251, 5328, 5614, 5658, 5376, 5378, 5448, 5566, 5661, 5685, 5706, 5645, 5327, 5571, 5387, 5494 (9 hits)
5	9	1.0	333.0	Yes	5524.0MHz, -61.0dBm	Hop sequence: 5297, 5316, 5370, 5605, 5579, 5629, 5628, 5554, 5454, 5645, 5708, 5654, 5265, 5686, 5428, 5452, 5427, 5581, 5671, 5386, 5388, 5598, 5487, 5617, 5542,

Table 18 - FCC frequency hopping radar (Type 6) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5717, 5603, 5377, 5378, 5553, 5706, 5371, 5526, 5417, 5500, 5387, 5431, 5266, 5314, 5379, 5551, 5267, 5507, 5342, 5362, 5479, 5287, 5590, 5448, 5405, 5721, 5709, 5440, 5296, 5353, 5568, 5315, 5493, 5692, 5354, 5375, 5363, 5560, 5713, 5464, 5282, 5524, 5462, 5574, 5463, 5561, 5441, 5518, 5331, 5252, 5576, 5690, 5572, 5604, 5580, 5538, 5541, 5609, 5290, 5351, 5495, 5349, 5589, 5659, 5461, 5592, 5619, 5514, 5525, 5408, 5360, 5702, 5317, 5658, 5260 (9 hits)
6	9	1.0	333.0	Yes	5525.0MHz, -61.0dBm	Hop sequence: 5532, 5272, 5337, 5492, 5698, 5603, 5381, 5474, 5697, 5485, 5678, 5634, 5340, 5354, 5646, 5537, 5313, 5321, 5290, 5611, 5505, 5298, 5369, 5645, 5289, 5323, 5690, 5258, 5461, 5448, 5487, 5386, 5308, 5277, 5303, 5577, 5652, 5504, 5287, 5328, 5345, 5709, 5555, 5665, 5656, 5563, 5401, 5648, 5595, 5329, 5628, 5428, 5460, 5285, 5516, 5447, 5659, 5269, 5500, 5266, 5670, 5607, 5704, 5491, 5416, 5348, 5716, 5660, 5425, 5476, 5482, 5528, 5396, 5559, 5508, 5533, 5286, 5718, 5556, 5444, 5422, 5609, 5541, 5493, 5352, 5400, 5546, 5582, 5677, 5379, 5650, 5403, 5547, 5302, 5251, 5373, 5689, 5283, 5534, 5477 (10 hits)
7	9	1.0	333.0	Yes	5526.0MHz, -61.0dBm	Hop sequence: 5630, 5514, 5381, 5539, 5710, 5644, 5698, 5339, 5686, 5653, 5408, 5658, 5444, 5533, 5602, 5264, 5593, 5597, 5582, 5479, 5511, 5603, 5341, 5394, 5356, 5412, 5540, 5438, 5601, 5683, 5534, 5253, 5352, 5468, 5567, 5269, 5695, 5280, 5415, 5650, 5670, 5410, 5327, 5663, 5616, 5431, 5545, 5721, 5512, 5340, 5499, 5488, 5614, 5703, 5287, 5676, 5558, 5395, 5621, 5418, 5711, 5524, 5706, 5423, 5426, 5704, 5520, 5455, 5645, 5335, 5640, 5705, 5494, 5498, 5684, 5615, 5584, 5660, 5474, 5372, 5392, 5629, 5391, 5491, 5353, 5260, 5350, 5442, 5292, 5366, 5531, 5585, 5590, 5432, 5553, 5639, 5595, 5354, 5458, 5677 (9 hits)
8	9	1.0	333.0	Yes	5527.0MHz, -61.0dBm	Hop sequence: 5257, 5299, 5614, 5520, 5525, 5557, 5401, 5336, 5675, 5650, 5611, 5721, 5714, 5339, 5464, 5496, 5533, 5605, 5479, 5459, 5510, 5303, 5361, 5717, 5597, 5637, 5302, 5456, 5253, 5365, 5475, 5573, 5295, 5705, 5268, 5660, 5596, 5452, 5266, 5460, 5385, 5664, 5477, 5609, 5658, 5490, 5410, 5548, 5633, 5683, 5422, 5378, 5561, 5701, 5709, 5311, 5404, 5420, 5528, 5582, 5276, 5693, 5635, 5702, 5648, 5263, 5601, 5284, 5272, 5387, 5449, 5381, 5473, 5663, 5414, 5629, 5551, 5703, 5292, 5293, 5321, 5354, 5547, 5457, 5592, 5324, 5370, 5583, 5585, 5481, 5549, 5363, 5501, 5661, 5531, 5613, 5646, 5577, 5506, 5708 (9 hits)
9	9	1.0	333.0	Yes	5528.0MHz, -61.0dBm	Hop sequence: 5718, 5492, 5628, 5292, 5567, 5450, 5642, 5607, 5275, 5638, 5418, 5341, 5713, 5429, 5299, 5541, 5295, 5597, 5501, 5347, 5653, 5455, 5474, 5605, 5326, 5709, 5610, 5290, 5546, 5305, 5528, 5329, 5466, 5269, 5345, 5573, 5545, 5267, 5286, 5331, 5467, 5484, 5360, 5619, 5421, 5582, 5629, 5519, 5652, 5314, 5281, 5289, 5675, 5342, 5318, 5656, 5631, 5369, 5394, 5518, 5351, 5361, 5469, 5574, 5520, 5554, 5592, 5493, 5516, 5696, 5405, 5662, 5395, 5594, 5415, 5258, 5681, 5564, 5700, 5706, 5498,

Table 18 - FCC frequency hopping radar (Type 6) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5282, 5346, 5307, 5691, 5291, 5486, 5673, 5561, 5532, 5640, 5376, 5585, 5557, 5695, 5698, 5701, 5621, 5406, 5430 (7 hits)
10	9	1.0	333.0	Yes	5529.0MHz, -61.0dBm	Hop sequence: 5290, 5702, 5581, 5407, 5583, 5619, 5370, 5506, 5280, 5548, 5494, 5709, 5657, 5273, 5430, 5416, 5274, 5324, 5418, 5687, 5664, 5333, 5404, 5405, 5606, 5672, 5276, 5718, 5442, 5293, 5287, 5289, 5542, 5724, 5679, 5378, 5599, 5366, 5592, 5452, 5638, 5377, 5403, 5299, 5693, 5686, 5482, 5278, 5474, 5372, 5580, 5651, 5500, 5622, 5715, 5266, 5254, 5574, 5291, 5713, 5460, 5569, 5632, 5596, 5414, 5257, 5586, 5564, 5605, 5641, 5456, 5339, 5275, 5383, 5319, 5600, 5703, 5448, 5540, 5588, 5572, 5627, 5504, 5479, 5376, 5439, 5462, 5704, 5343, 5336, 5300, 5265, 5617, 5635, 5440, 5541, 5513, 5501, 5398, 5267 (4 hits)
11	9	1.0	333.0	Yes	5530.0MHz, -61.0dBm	Hop sequence: 5600, 5386, 5647, 5277, 5506, 5473, 5605, 5648, 5670, 5633, 5441, 5481, 5320, 5258, 5269, 5705, 5259, 5356, 5722, 5693, 5718, 5318, 5329, 5578, 5281, 5374, 5367, 5465, 5437, 5474, 5650, 5335, 5421, 5297, 5323, 5466, 5501, 5628, 5493, 5577, 5555, 5285, 5695, 5287, 5445, 5417, 5627, 5384, 5649, 5511, 5644, 5426, 5314, 5468, 5666, 5272, 5362, 5595, 5415, 5589, 5419, 5574, 5260, 5478, 5529, 5664, 5591, 5517, 5380, 5392, 5370, 5592, 5364, 5534, 5510, 5699, 5379, 5721, 5308, 5645, 5608, 5471, 5291, 5545, 5516, 5470, 5688, 5656, 5436, 5638, 5398, 5357, 5526, 5457, 5439, 5411, 5518, 5312, 5620, 5408 (5 hits)
12	9	1.0	333.0	Yes	5531.0MHz, -61.0dBm	Hop sequence: 5680, 5417, 5359, 5635, 5501, 5330, 5560, 5367, 5564, 5559, 5441, 5434, 5578, 5483, 5436, 5455, 5617, 5587, 5420, 5308, 5534, 5452, 5427, 5423, 5726, 5400, 5539, 5340, 5446, 5693, 5584, 5315, 5261, 5696, 5719, 5641, 5467, 5481, 5632, 5720, 5459, 5620, 5712, 5379, 5357, 5304, 5456, 5628, 5442, 5606, 5710, 5600, 5253, 5543, 5381, 5299, 5290, 5345, 5594, 5557, 5361, 5439, 5302, 5498, 5694, 5681, 5263, 5571, 5300, 5529, 5508, 5473, 5266, 5251, 5593, 5586, 5526, 5670, 5513, 5328, 5424, 5647, 5626, 5603, 5450, 5472, 5516, 5366, 5499, 5576, 5616, 5394, 5311, 5645, 5356, 5634, 5636, 5663, 5309, 5563 (6 hits)
13	9	1.0	333.0	Yes	5532.0MHz, -61.0dBm	Hop sequence: 5621, 5427, 5269, 5414, 5366, 5371, 5536, 5706, 5549, 5721, 5707, 5646, 5678, 5597, 5309, 5477, 5527, 5439, 5406, 5689, 5640, 5647, 5655, 5584, 5497, 5672, 5635, 5628, 5264, 5459, 5418, 5492, 5521, 5686, 5383, 5326, 5559, 5704, 5431, 5278, 5665, 5472, 5657, 5295, 5299, 5574, 5389, 5409, 5348, 5413, 5408, 5407, 5553, 5425, 5648, 5670, 5465, 5562, 5720, 5651, 5698, 5423, 5532, 5270, 5551, 5343, 5593, 5483, 5622, 5361, 5357, 5691, 5350, 5261, 5540, 5572, 5596, 5397, 5444, 5311, 5558, 5632, 5612, 5259, 5390, 5349, 5335, 5526, 5523, 5481, 5440, 5550, 5303, 5577, 5629, 5471, 5627, 5633, 5347, 5370 (11 hits)
14	9	1.0	333.0	Yes	5533.0MHz, -61.0dBm	Hop sequence: 5307, 5516, 5420, 5535, 5705, 5391, 5342, 5707, 5360, 5407, 5350, 5610, 5575, 5283, 5565, 5445, 5441, 5264, 5288, 5255, 5422, 5618, 5285, 5630, 5433, 5419, 5358, 5452, 5577, 5683, 5513, 5659,

Table 18 - FCC frequency hopping radar (Type 6) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5398, 5496, 5650, 5392, 5537, 5555, 5597, 5381, 5260, 5304, 5353, 5675, 5274, 5444, 5282, 5595, 5349, 5336, 5573, 5378, 5256, 5410, 5701, 5642, 5341, 5315, 5539, 5507, 5588, 5512, 5448, 5334, 5370, 5536, 5722, 5674, 5409, 5531, 5266, 5294, 5254, 5449, 5442, 5574, 5649, 5483, 5611, 5548, 5609, 5660, 5351, 5590, 5279, 5253, 5461, 5273, 5354, 5457, 5529, 5671, 5593, 5717, 5682, 5576, 5686, 5399, 5320, 5696 (8 hits)
15	9	1.0	333.0	Yes	5534.0MHz, -61.0dBm	Hop sequence: 5592, 5284, 5726, 5292, 5472, 5504, 5483, 5522, 5563, 5499, 5327, 5373, 5415, 5561, 5717, 5407, 5678, 5496, 5555, 5461, 5651, 5706, 5618, 5664, 5353, 5382, 5356, 5525, 5352, 5333, 5341, 5532, 5479, 5477, 5562, 5604, 5469, 5303, 5667, 5714, 5462, 5689, 5627, 5257, 5401, 5282, 5357, 5698, 5692, 5718, 5400, 5258, 5686, 5429, 5255, 5482, 5590, 5617, 5329, 5485, 5699, 5369, 5613, 5578, 5315, 5398, 5442, 5581, 5596, 5424, 5704, 5362, 5380, 5399, 5301, 5445, 5633, 5711, 5274, 5612, 5528, 5421, 5576, 5300, 5381, 5440, 5321, 5694, 5487, 5545, 5640, 5505, 5582, 5390, 5289, 5568, 5331, 5265, 5570, 5648 (6 hits)
16	9	1.0	333.0	Yes	5535.0MHz, -61.0dBm	Hop sequence: 5448, 5341, 5400, 5657, 5362, 5257, 5643, 5278, 5639, 5546, 5673, 5534, 5713, 5624, 5529, 5539, 5595, 5316, 5572, 5488, 5333, 5581, 5561, 5632, 5609, 5594, 5626, 5486, 5476, 5399, 5686, 5598, 5590, 5530, 5351, 5460, 5565, 5523, 5346, 5533, 5314, 5593, 5622, 5474, 5420, 5445, 5374, 5311, 5629, 5585, 5274, 5262, 5633, 5279, 5612, 5710, 5518, 5636, 5718, 5569, 5360, 5493, 5503, 5408, 5532, 5284, 5720, 5326, 5655, 5563, 5706, 5544, 5514, 5726, 5276, 5605, 5277, 5689, 5543, 5578, 5361, 5269, 5321, 5575, 5455, 5485, 5510, 5696, 5253, 5620, 5288, 5405, 5388, 5638, 5395, 5669, 5685, 5440, 5273, 5328 (10 hits)
17	9	1.0	333.0	Yes	5536.0MHz, -61.0dBm	Hop sequence: 5273, 5670, 5659, 5724, 5408, 5502, 5278, 5361, 5532, 5442, 5560, 5419, 5409, 5259, 5655, 5483, 5301, 5716, 5452, 5651, 5296, 5286, 5518, 5650, 5596, 5593, 5574, 5313, 5331, 5610, 5658, 5307, 5330, 5640, 5712, 5468, 5622, 5379, 5319, 5718, 5253, 5665, 5290, 5534, 5713, 5456, 5480, 5704, 5268, 5443, 5485, 5465, 5715, 5550, 5584, 5706, 5423, 5721, 5714, 5557, 5663, 5717, 5433, 5528, 5473, 5338, 5699, 5646, 5619, 5261, 5315, 5709, 5722, 5281, 5294, 5363, 5711, 5573, 5615, 5439, 5634, 5618, 5327, 5597, 5577, 5516, 5437, 5690, 5282, 5616, 5385, 5549, 5507, 5565, 5506, 5567, 5590, 5386, 5340, 5380 (6 hits)
18	9	1.0	333.0	Yes	5537.0MHz, -61.0dBm	Hop sequence: 5467, 5593, 5341, 5494, 5363, 5650, 5262, 5479, 5542, 5469, 5589, 5648, 5578, 5471, 5299, 5291, 5309, 5418, 5288, 5359, 5660, 5604, 5403, 5687, 5370, 5688, 5281, 5473, 5718, 5531, 5571, 5457, 5714, 5606, 5318, 5691, 5254, 5515, 5547, 5445, 5502, 5681, 5266, 5259, 5316, 5652, 5582, 5603, 5672, 5626, 5280, 5616, 5304, 5252, 5347, 5256, 5354, 5282, 5498, 5640, 5658, 5689, 5378, 5641, 5439, 5349, 5427, 5275, 5313, 5380, 5286, 5505, 5393, 5669, 5532, 5554, 5705, 5642, 5373, 5285, 5441, 5496, 5661, 5460, 5692, 5507, 5482, 5323,

Table 18 - FCC frequency hopping radar (Type 6) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5463, 5279, 5327, 5317, 5284, 5400, 5638, 5516, 5444, 5683, 5653, 5646 (5 hits)
19	9	1.0	333.0	Yes	5538.0MHz, -61.0dBm	Hop sequence: 5606, 5482, 5636, 5676, 5353, 5650, 5306, 5262, 5439, 5256, 5365, 5435, 5540, 5470, 5479, 5649, 5596, 5307, 5434, 5327, 5413, 5721, 5483, 5417, 5620, 5568, 5548, 5332, 5328, 5259, 5526, 5487, 5334, 5699, 5669, 5425, 5681, 5618, 5661, 5722, 5314, 5547, 5630, 5367, 5407, 5326, 5495, 5297, 5345, 5671, 5315, 5284, 5502, 5287, 5293, 5330, 5265, 5511, 5264, 5399, 5336, 5329, 5392, 5607, 5694, 5398, 5348, 5571, 5625, 5362, 5294, 5299, 5562, 5585, 5396, 5277, 5703, 5503, 5583, 5436, 5357, 5537, 5423, 5356, 5656, 5584, 5366, 5558, 5270, 5472, 5492, 5708, 5634, 5289, 5691, 5481, 5660, 5608, 5415, 5619 (6 hits)
20	9	1.0	333.0	Yes	5539.0MHz, -61.0dBm	Hop sequence: 5655, 5653, 5456, 5339, 5514, 5466, 5302, 5279, 5484, 5650, 5254, 5485, 5672, 5620, 5325, 5344, 5272, 5605, 5553, 5724, 5478, 5506, 5600, 5707, 5611, 5647, 5382, 5520, 5556, 5472, 5255, 5635, 5714, 5395, 5519, 5694, 5256, 5705, 5326, 5695, 5493, 5528, 5337, 5616, 5397, 5640, 5504, 5455, 5435, 5539, 5585, 5622, 5638, 5364, 5537, 5417, 5415, 5342, 5390, 5408, 5544, 5465, 5286, 5377, 5652, 5571, 5557, 5315, 5323, 5496, 5458, 5568, 5457, 5563, 5578, 5570, 5515, 5423, 5410, 5555, 5717, 5480, 5428, 5593, 5270, 5591, 5675, 5708, 5283, 5590, 5709, 5547, 5349, 5609, 5327, 5569, 5582, 5322, 5437, 5606 (9 hits)
21	9	1.0	333.0	No	5540.0MHz, -61.0dBm	Hop sequence: 5556, 5383, 5617, 5402, 5260, 5637, 5627, 5529, 5698, 5515, 5718, 5631, 5531, 5361, 5285, 5500, 5544, 5683, 5281, 5580, 5291, 5470, 5665, 5293, 5316, 5598, 5512, 5323, 5278, 5277, 5680, 5624, 5705, 5446, 5464, 5640, 5462, 5701, 5721, 5351, 5254, 5649, 5396, 5349, 5379, 5287, 5589, 5511, 5255, 5267, 5289, 5385, 5401, 5713, 5299, 5490, 5689, 5305, 5382, 5309, 5484, 5685, 5474, 5395, 5646, 5672, 5455, 5315, 5532, 5445, 5389, 5251, 5359, 5569, 5376, 5296, 5656, 5439, 5603, 5675, 5623, 5427, 5594, 5696, 5451, 5268, 5541, 5426, 5560, 5528, 5691, 5253, 5483, 5692, 5317, 5271, 5258, 5621, 5579, 5366 (7 hits)
22	9	1.0	333.0	Yes	5541.0MHz, -61.0dBm	Hop sequence: 5523, 5419, 5357, 5670, 5399, 5506, 5599, 5281, 5320, 5453, 5633, 5278, 5558, 5269, 5417, 5585, 5605, 5463, 5570, 5481, 5690, 5619, 5537, 5660, 5377, 5474, 5302, 5530, 5458, 5648, 5344, 5408, 5256, 5539, 5465, 5291, 5502, 5305, 5643, 5509, 5346, 5483, 5304, 5279, 5331, 5577, 5567, 5285, 5562, 5669, 5722, 5686, 5617, 5266, 5469, 5486, 5498, 5615, 5531, 5425, 5251, 5446, 5335, 5490, 5573, 5341, 5680, 5699, 5714, 5368, 5694, 5402, 5584, 5461, 5673, 5414, 5454, 5571, 5602, 5393, 5547, 5379, 5373, 5386, 5354, 5638, 5528, 5726, 5326, 5655, 5499, 5293, 5432, 5637, 5613, 5612, 5334, 5560, 5297, 5435 (8 hits)
23	9	1.0	333.0	Yes	5542.0MHz, -61.0dBm	Hop sequence: 5546, 5686, 5418, 5509, 5386, 5405, 5438, 5498, 5574, 5647, 5255, 5422, 5305, 5379, 5280, 5279, 5599, 5663, 5329, 5444, 5489, 5565, 5435, 5287, 5277, 5540, 5482, 5552, 5537, 5512, 5676, 5284, 5397, 5348, 5679, 5471, 5643, 5669, 5720,

Table 18 - FCC frequency hopping radar (Type 6) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5339, 5553, 5531, 5681, 5362, 5416, 5268, 5361, 5463, 5594, 5703, 5617, 5265, 5317, 5385, 5292, 5349, 5295, 5520, 5607, 5543, 5271, 5337, 5638, 5582, 5384, 5590, 5455, 5285, 5620, 5611, 5644, 5580, 5406, 5503, 5470, 5593, 5633, 5258, 5254, 5533, 5556, 5699, 5432, 5297, 5604, 5496, 5474, 5300, 5506, 5658, 5635, 5475, 5659, 5377, 5521, 5270, 5478, 5260, 5591, 5723 (9 hits)
24	9	1.0	333.0	Yes	5543.0MHz, -61.0dBm	Hop sequence: 5489, 5286, 5518, 5356, 5622, 5619, 5324, 5354, 5618, 5471, 5360, 5414, 5405, 5705, 5403, 5545, 5293, 5673, 5497, 5546, 5374, 5572, 5255, 5379, 5689, 5534, 5453, 5447, 5719, 5515, 5440, 5498, 5449, 5580, 5672, 5568, 5725, 5524, 5333, 5627, 5541, 5603, 5574, 5675, 5295, 5539, 5604, 5611, 5428, 5708, 5506, 5513, 5321, 5421, 5484, 5564, 5477, 5335, 5707, 5691, 5499, 5285, 5470, 5308, 5456, 5263, 5714, 5494, 5608, 5632, 5256, 5304, 5465, 5554, 5584, 5533, 5540, 5653, 5416, 5594, 5267, 5630, 5275, 5463, 5318, 5311, 5595, 5599, 5316, 5543, 5647, 5415, 5667, 5380, 5522, 5302, 5670, 5337, 5402, 5459 (11 hits)
25	9	1.0	333.0	Yes	5544.0MHz, -61.0dBm	Hop sequence: 5383, 5388, 5326, 5442, 5725, 5363, 5358, 5527, 5391, 5426, 5331, 5336, 5425, 5699, 5676, 5661, 5536, 5645, 5499, 5448, 5683, 5528, 5696, 5646, 5460, 5563, 5430, 5471, 5362, 5438, 5586, 5370, 5508, 5463, 5589, 5321, 5479, 5520, 5349, 5456, 5703, 5695, 5685, 5279, 5328, 5378, 5367, 5271, 5705, 5665, 5514, 5711, 5710, 5616, 5372, 5595, 5523, 5654, 5632, 5257, 5483, 5344, 5437, 5717, 5724, 5602, 5320, 5485, 5405, 5708, 5507, 5266, 5498, 5375, 5307, 5400, 5626, 5636, 5649, 5511, 5424, 5482, 5323, 5296, 5420, 5677, 5439, 5297, 5431, 5518, 5259, 5655, 5416, 5262, 5484, 5415, 5409, 5688, 5390, 5577 (4 hits)
26	9	1.0	333.0	Yes	5545.0MHz, -61.0dBm	Hop sequence: 5484, 5574, 5604, 5650, 5586, 5349, 5255, 5399, 5494, 5654, 5598, 5648, 5501, 5320, 5545, 5554, 5614, 5319, 5682, 5709, 5414, 5624, 5666, 5344, 5365, 5628, 5504, 5408, 5282, 5337, 5541, 5530, 5555, 5631, 5696, 5434, 5455, 5410, 5403, 5643, 5451, 5651, 5260, 5458, 5362, 5259, 5276, 5679, 5572, 5596, 5590, 5331, 5281, 5714, 5725, 5503, 5373, 5531, 5724, 5500, 5390, 5476, 5515, 5547, 5361, 5513, 5636, 5449, 5492, 5641, 5402, 5314, 5722, 5645, 5642, 5421, 5357, 5424, 5622, 5275, 5397, 5266, 5519, 5627, 5268, 5378, 5468, 5505, 5703, 5556, 5676, 5258, 5684, 5401, 5548, 5459, 5418, 5460, 5618, 5280 (9 hits)
27	9	1.0	333.0	Yes	5546.0MHz, -61.0dBm	Hop sequence: 5578, 5462, 5536, 5419, 5349, 5710, 5640, 5318, 5708, 5715, 5379, 5311, 5377, 5486, 5651, 5704, 5347, 5550, 5279, 5451, 5615, 5666, 5506, 5602, 5603, 5528, 5405, 5466, 5574, 5359, 5354, 5679, 5461, 5423, 5553, 5588, 5474, 5278, 5285, 5429, 5592, 5661, 5448, 5707, 5512, 5277, 5558, 5446, 5485, 5711, 5701, 5663, 5293, 5529, 5497, 5498, 5597, 5356, 5413, 5495, 5625, 5459, 5516, 5510, 5288, 5335, 5690, 5627, 5402, 5555, 5329, 5675, 5291, 5643, 5546, 5531, 5594, 5416, 5507, 5606, 5345, 5626, 5576, 5415, 5491, 5260, 5618, 5697, 5269, 5601, 5515, 5360, 5544, 5273, 5605,

Table 18 - FCC frequency hopping radar (Type 6) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5431, 5259, 5463, 5425, 5331 (10 hits)
28	9	1.0	333.0	Yes	5547.0MHz, -61.0dBm	Hop sequence: 5478, 5347, 5554, 5431, 5611, 5536, 5413, 5614, 5396, 5392, 5569, 5595, 5715, 5320, 5453, 5723, 5343, 5505, 5457, 5658, 5458, 5405, 5325, 5680, 5265, 5372, 5435, 5379, 5256, 5253, 5301, 5695, 5669, 5380, 5337, 5649, 5274, 5462, 5313, 5454, 5634, 5621, 5305, 5397, 5348, 5293, 5523, 5628, 5693, 5382, 5612, 5593, 5648, 5492, 5475, 5398, 5376, 5394, 5389, 5266, 5703, 5586, 5434, 5334, 5416, 5534, 5471, 5598, 5276, 5417, 5556, 5411, 5590, 5351, 5341, 5506, 5709, 5646, 5656, 5517, 5258, 5665, 5481, 5444, 5302, 5617, 5300, 5540, 5496, 5591, 5381, 5694, 5409, 5721, 5577, 5706, 5608, 5307, 5395, 5515 (6 hits)
29	9	1.0	333.0	Yes	5548.0MHz, -61.0dBm	Hop sequence: 5492, 5405, 5442, 5616, 5505, 5460, 5589, 5360, 5259, 5444, 5413, 5555, 5427, 5549, 5323, 5612, 5525, 5587, 5681, 5599, 5493, 5296, 5359, 5255, 5315, 5400, 5562, 5349, 5566, 5560, 5654, 5605, 5269, 5282, 5445, 5409, 5421, 5250, 5488, 5424, 5603, 5308, 5500, 5383, 5509, 5617, 5710, 5726, 5433, 5653, 5614, 5698, 5600, 5329, 5628, 5696, 5546, 5636, 5604, 5292, 5713, 5365, 5586, 5582, 5557, 5633, 5621, 5307, 5387, 5304, 5611, 5508, 5377, 5540, 5256, 5283, 5627, 5464, 5724, 5254, 5677, 5532, 5411, 5554, 5368, 5361, 5298, 5366, 5530, 5317, 5333, 5486, 5372, 5450, 5602, 5491, 5382, 5623, 5378, 5297 (9 hits)
30	9	1.0	333.0	Yes	5549.0MHz, -61.0dBm	Hop sequence: 5718, 5305, 5709, 5506, 5568, 5329, 5425, 5635, 5388, 5251, 5595, 5526, 5708, 5386, 5500, 5307, 5321, 5714, 5485, 5533, 5472, 5382, 5495, 5325, 5527, 5275, 5347, 5545, 5684, 5462, 5496, 5279, 5694, 5474, 5292, 5632, 5649, 5324, 5475, 5280, 5394, 5491, 5387, 5591, 5450, 5306, 5370, 5722, 5666, 5397, 5262, 5673, 5344, 5453, 5303, 5459, 5503, 5604, 5633, 5607, 5436, 5654, 5593, 5713, 5618, 5549, 5582, 5499, 5669, 5337, 5338, 5318, 5482, 5362, 5544, 5610, 5381, 5636, 5560, 5648, 5465, 5599, 5584, 5522, 5464, 5698, 5445, 5638, 5416, 5355, 5299, 5302, 5558, 5260, 5492, 5587, 5532, 5573, 5439, 5384 (9 hits)
31	9	1.0	333.0	Yes	5550.0MHz, -61.0dBm	Hop sequence: 5668, 5702, 5385, 5573, 5688, 5379, 5514, 5548, 5581, 5487, 5635, 5658, 5411, 5402, 5486, 5263, 5558, 5454, 5309, 5349, 5609, 5408, 5291, 5592, 5574, 5289, 5679, 5410, 5315, 5439, 5355, 5400, 5589, 5278, 5310, 5433, 5536, 5591, 5680, 5604, 5525, 5358, 5698, 5257, 5336, 5694, 5456, 5559, 5632, 5664, 5522, 5380, 5547, 5252, 5403, 5721, 5500, 5270, 5620, 5622, 5683, 5307, 5404, 5651, 5427, 5299, 5297, 5541, 5271, 5489, 5700, 5282, 5554, 5667, 5601, 5493, 5301, 5673, 5627, 5363, 5613, 5446, 5465, 5621, 5378, 5476, 5642, 5407, 5692, 5274, 5304, 5343, 5382, 5327, 5426, 5633, 5659, 5670, 5717, 5471 (8 hits)
32	9	1.0	333.0	Yes	5551.0MHz, -61.0dBm	Hop sequence: 5517, 5483, 5556, 5722, 5331, 5336, 5362, 5466, 5685, 5446, 5256, 5512, 5493, 5658, 5670, 5393, 5496, 5508, 5443, 5413, 5305, 5285, 5259, 5406, 5437, 5296, 5384, 5643, 5686, 5308, 5420, 5258, 5613, 5721, 5701, 5656, 5370, 5609, 5467, 5318, 5615, 5707, 5317, 5289, 5601, 5723,

Table 18 - FCC frequency hopping radar (Type 6) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5426, 5440, 5575, 5527, 5478, 5251, 5411, 5480, 5631, 5541, 5687, 5354, 5718, 5352, 5708, 5264, 5473, 5580, 5340, 5498, 5334, 5619, 5625, 5602, 5435, 5591, 5252, 5650, 5325, 5261, 5702, 5555, 5372, 5689, 5529, 5617, 5320, 5265, 5267, 5725, 5309, 5321, 5635, 5562, 5532, 5380, 5421, 5330, 5704, 5497, 5366, 5592, 5470, 5499 (6 hits)
33	9	1.0	333.0	Yes	5552.0MHz, -61.0dBm	Hop sequence: 5407, 5378, 5426, 5492, 5396, 5304, 5677, 5467, 5340, 5413, 5572, 5612, 5536, 5280, 5487, 5602, 5383, 5256, 5506, 5390, 5438, 5441, 5472, 5349, 5584, 5360, 5522, 5511, 5274, 5316, 5596, 5661, 5562, 5588, 5449, 5424, 5718, 5325, 5692, 5258, 5601, 5361, 5540, 5532, 5535, 5697, 5628, 5352, 5319, 5425, 5445, 5335, 5499, 5660, 5406, 5422, 5363, 5549, 5251, 5292, 5418, 5589, 5623, 5346, 5284, 5686, 5433, 5326, 5609, 5408, 5631, 5344, 5385, 5642, 5670, 5480, 5575, 5400, 5315, 5519, 5430, 5620, 5604, 5362, 5313, 5416, 5616, 5382, 5312, 5682, 5302, 5615, 5353, 5373, 5687, 5600, 5497, 5636, 5270, 5345 (6 hits)
34	9	1.0	333.0	Yes	5553.0MHz, -61.0dBm	Hop sequence: 5573, 5400, 5319, 5334, 5386, 5428, 5571, 5533, 5644, 5513, 5636, 5392, 5412, 5364, 5511, 5480, 5626, 5370, 5494, 5486, 5622, 5719, 5479, 5595, 5514, 5336, 5637, 5361, 5632, 5367, 5506, 5315, 5483, 5599, 5413, 5307, 5698, 5520, 5443, 5503, 5447, 5612, 5684, 5619, 5397, 5460, 5580, 5332, 5589, 5697, 5583, 5362, 5324, 5430, 5312, 5321, 5724, 5507, 5623, 5672, 5663, 5415, 5395, 5525, 5703, 5284, 5435, 5270, 5523, 5277, 5304, 5565, 5561, 5384, 5350, 5424, 5634, 5410, 5717, 5454, 5466, 5271, 5653, 5606, 5536, 5515, 5666, 5251, 5498, 5292, 5461, 5420, 5596, 5711, 5603, 5509, 5530, 5374, 5609, 5540 (6 hits)
35	9	1.0	333.0	Yes	5554.0MHz, -61.0dBm	Hop sequence: 5299, 5488, 5632, 5450, 5377, 5303, 5374, 5559, 5593, 5625, 5396, 5434, 5563, 5584, 5431, 5692, 5393, 5391, 5665, 5436, 5572, 5386, 5291, 5641, 5349, 5682, 5495, 5336, 5544, 5310, 5715, 5571, 5496, 5716, 5270, 5481, 5327, 5263, 5611, 5552, 5269, 5622, 5276, 5708, 5261, 5430, 5677, 5318, 5645, 5664, 5531, 5485, 5325, 5507, 5342, 5353, 5595, 5658, 5656, 5453, 5540, 5408, 5275, 5438, 5567, 5445, 5696, 5514, 5603, 5389, 5499, 5582, 5288, 5258, 5602, 5329, 5634, 5419, 5509, 5322, 5252, 5650, 5601, 5432, 5554, 5501, 5494, 5520, 5642, 5302, 5401, 5320, 5566, 5387, 5678, 5348, 5669, 5478, 5371, 5667 (5 hits)
36	9	1.0	333.0	Yes	5555.0MHz, -61.0dBm	Hop sequence: 5368, 5432, 5493, 5284, 5641, 5583, 5336, 5458, 5430, 5666, 5436, 5688, 5681, 5574, 5347, 5380, 5456, 5490, 5693, 5651, 5704, 5410, 5408, 5304, 5691, 5403, 5545, 5358, 5499, 5290, 5519, 5307, 5331, 5594, 5364, 5293, 5484, 5699, 5706, 5366, 5480, 5631, 5409, 5357, 5351, 5562, 5716, 5306, 5558, 5373, 5663, 5402, 5587, 5393, 5504, 5340, 5672, 5717, 5374, 5630, 5383, 5596, 5406, 5352, 5441, 5287, 5553, 5375, 5678, 5667, 5314, 5277, 5342, 5346, 5313, 5595, 5450, 5650, 5303, 5446, 5500, 5382, 5675, 5414, 5636, 5276, 5628, 5472, 5424, 5701, 5378, 5586, 5447, 5578, 5270, 5709, 5413, 5725, 5281, 5602 (3 hits)

Table 18 - FCC frequency hopping radar (Type 6) Results 30MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
37	9	1.0	333.0	Yes	5556.0MHz, -61.0dBm	Hop sequence: 5654, 5667, 5677, 5631, 5599, 5538, 5351, 5716, 5258, 5579, 5604, 5514, 5524, 5397, 5689, 5401, 5582, 5411, 5408, 5280, 5566, 5449, 5384, 5431, 5369, 5590, 5273, 5340, 5413, 5717, 5680, 5483, 5253, 5296, 5428, 5719, 5507, 5271, 5561, 5554, 5652, 5639, 5546, 5303, 5527, 5596, 5455, 5364, 5396, 5336, 5398, 5373, 5700, 5600, 5426, 5499, 5480, 5299, 5623, 5703, 5556, 5691, 5515, 5278, 5349, 5687, 5383, 5335, 5352, 5260, 5628, 5474, 5688, 5285, 5416, 5282, 5718, 5659, 5292, 5452, 5721, 5356, 5386, 5558, 5570, 5553, 5552, 5666, 5537, 5539, 5683, 5528, 5310, 5594, 5544, 5311, 5348, 5637, 5568, 5425 (13 hits)

Table 19 - Long Sequence Waveform Summary 30MHz NU Steady State HF		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5540.0MHz, -61.0dBm
Trial #2	Detected	5535.0MHz, -61.0dBm
Trial #3	Detected	5530.0MHz, -61.0dBm
Trial #4	Detected	5550.0MHz, -61.0dBm
Trial #5	Detected	5545.0MHz, -61.0dBm
Trial #6	Detected	5540.0MHz, -61.0dBm
Trial #7	NOT Detected	5535.0MHz, -61.0dBm
Trial #8	NOT Detected	5530.0MHz, -61.0dBm
Trial #9	Detected	5550.0MHz, -61.0dBm
Trial #10	Detected	5545.0MHz, -61.0dBm
Trial #11	Detected	5540.0MHz, -61.0dBm
Trial #12	Detected	5535.0MHz, -61.0dBm
Trial #13	Detected	5530.0MHz, -61.0dBm
Trial #14	Detected	5550.0MHz, -61.0dBm
Trial #15	Detected	5545.0MHz, -61.0dBm
Trial #16	Detected	5540.0MHz, -61.0dBm
Trial #17	Detected	5535.0MHz, -61.0dBm
Trial #18	Detected	5530.0MHz, -61.0dBm
Trial #19	Detected	5550.0MHz, -61.0dBm
Trial #20	Detected	5545.0MHz, -61.0dBm
Trial #21	Detected	5540.0MHz, -61.0dBm
Trial #22	Detected	5535.0MHz, -61.0dBm
Trial #23	Detected	5530.0MHz, -61.0dBm
Trial #24	Detected	5550.0MHz, -61.0dBm
Trial #25	Detected	5545.0MHz, -61.0dBm
Trial #26	Detected	5540.0MHz, -61.0dBm
Trial #27	Detected	5535.0MHz, -61.0dBm
Trial #28	Detected	5530.0MHz, -61.0dBm
Trial #29	Detected	5550.0MHz, -61.0dBm
Trial #30	Detected	5545.0MHz, -61.0dBm

Table 20 - Long Sequence Waveform Trial#1 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	89.2	17	1064.0	-	0.745669
2	1	68.0	9	-	-	1.576139
3	2	82.0	14	1602.0	-	1.680787
4	3	67.6	15	1396.0	1970.0	2.813046
5	3	66.8	6	1372.0	1563.0	3.324619
6	3	74.6	13	1483.0	1434.0	4.150174
7	1	94.9	19	-	-	5.097806
8	1	85.2	16	-	-	5.884126
9	2	66.2	9	1339.0	-	6.407584
10	2	91.2	6	1377.0	-	7.487794
11	3	53.5	11	1237.0	1988.0	8.585235
12	2	68.2	7	1764.0	-	9.023091
13	2	69.7	17	1683.0	-	10.092318
14	2	93.8	15	1578.0	-	10.450593
15	3	76.5	12	1302.0	1737.0	11.609728

Table 21 - Long Sequence Waveform Trial#2 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	96.6	15	1004.0	-	0.299426
2	2	60.5	12	1263.0	-	1.226301
3	3	77.7	7	1663.0	1901.0	1.826783
4	2	69.8	12	1184.0	-	2.612023
5	3	97.4	7	1621.0	1506.0	3.188491
6	1	59.5	6	-	-	3.865139
7	2	82.2	20	1071.0	-	4.040435
8	2	55.5	9	1386.0	-	4.884274
9	1	85.3	8	-	-	5.887791
10	2	93.3	15	1010.0	-	6.475616
11	2	72.7	10	1395.0	-	6.726835
12	2	94.2	6	1087.0	-	7.940727
13	3	77.3	8	1859.0	1371.0	8.076324
14	3	71.2	17	1263.0	1579.0	8.715411
15	1	66.0	10	-	-	9.777396
16	1	60.3	19	-	-	10.424913
17	2	58.2	13	1290.0	-	10.821422
18	2	99.1	8	1145.0	-	11.608328

Table 22 - Long Sequence Waveform Trial#3 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	76.5	18	-	-	0.913263
2	2	52.1	12	1445.0	-	1.926715
3	2	81.4	11	1237.0	-	2.684687
4	1	83.4	9	-	-	5.006129
5	1	72.9	7	-	-	5.716615
6	1	91.6	11	-	-	7.770858
7	1	75.2	19	-	-	8.574779
8	1	76.8	5	-	-	10.084596
9	2	89.5	9	1652.0	-	10.893805

Table 23 - Long Sequence Waveform Trial#4 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	64.0	16	1163.0	-	0.290841
2	2	98.7	19	1853.0	-	1.440968
3	2	59.6	8	1418.0	-	3.214646
4	1	53.0	11	-	-	4.920752
5	2	50.6	9	1002.0	-	5.753455
6	2	62.1	5	1099.0	-	7.392746
7	1	72.3	12	-	-	8.565915
8	3	70.7	15	1108.0	1452.0	10.390001
9	2	64.0	7	1526.0	-	11.120189

Table 24 - Long Sequence Waveform Trial#5 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	82.6	7	1211.0	1768.0	0.232212
2	1	76.2	19	-	-	1.142146
3	3	81.5	11	1238.0	1064.0	2.702973
4	2	88.4	13	1583.0	-	3.388538
5	3	97.2	10	1121.0	1351.0	4.946747
6	2	77.5	20	1572.0	-	5.910760
7	1	70.3	19	-	-	7.624530
8	2	66.6	19	1017.0	-	7.796306
9	2	85.5	9	1196.0	-	8.837341
10	3	56.9	12	1860.0	1247.0	10.819071
11	3	80.8	10	1153.0	1699.0	11.035270

Table 25 - Long Sequence Waveform Trial#6 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	97.2	11	1728.0	-	0.283222
2	2	57.2	20	1118.0	-	1.241093
3	3	84.2	12	1085.0	1866.0	2.278686
4	2	72.2	6	1972.0	-	4.099005
5	2	73.6	7	1560.0	-	4.881110
6	2	55.6	19	1047.0	-	5.680106
7	2	75.1	16	1455.0	-	7.599896
8	2	79.7	9	1758.0	-	8.446056
9	2	62.8	10	1425.0	-	8.981218
10	2	96.4	10	1660.0	-	10.441306
11	2	96.6	8	1721.0	-	11.751024

Table 26 - Long Sequence Waveform Trial#7 (NOT Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	90.3	6	1704.0	-	0.951296
2	2	79.5	16	1066.0	-	1.459679
3	3	83.2	5	1463.0	1981.0	3.199731
4	1	59.8	7	-	-	4.307552
5	3	55.8	17	1578.0	1734.0	5.069758
6	2	76.6	17	1898.0	-	7.154771
7	2	93.6	6	1224.0	-	8.040015
8	1	90.6	14	-	-	8.953959
9	3	56.5	18	1730.0	1958.0	10.425818
10	2	50.5	14	1533.0	-	11.027934

Table 27 - Long Sequence Waveform Trial#8 (NOT Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	54.9	12	1558.0	-	0.424257
2	1	81.0	12	-	-	1.514209
3	3	70.0	18	1754.0	1707.0	2.634581
4	1	91.8	18	-	-	4.305800
5	2	57.9	12	1040.0	-	5.030197
6	2	85.5	11	1244.0	-	6.321855
7	2	57.5	15	1794.0	-	7.370463
8	2	97.9	9	1044.0	-	8.458467
9	2	69.9	14	1668.0	-	8.985107
10	2	55.8	7	1350.0	-	10.359753
11	2	79.2	11	1028.0	-	11.975953

Table 28 - Long Sequence Waveform Trial#9 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	60.7	19	1410.0	1281.0	0.449912
2	2	80.6	14	1855.0	-	1.140055
3	3	76.5	5	1905.0	1262.0	2.080476
4	2	59.5	18	1232.0	-	3.567965
5	2	65.9	11	1523.0	-	4.043231
6	2	74.6	20	1308.0	-	5.374314
7	2	60.8	6	1033.0	-	6.459328
8	1	60.0	7	-	-	6.697313
9	2	57.6	13	1981.0	-	7.755147
10	2	59.1	11	1786.0	-	8.480379
11	2	71.1	8	1289.0	-	9.949402
12	2	76.7	7	1357.0	-	10.179335
13	2	88.0	6	1615.0	-	11.393520

Table 29 - Long Sequence Waveform Trial#10 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	64.7	7	-	-	0.598314
2	3	54.1	16	1528.0	1877.0	1.494908
3	3	97.4	10	1405.0	1874.0	2.658647
4	2	52.1	6	1030.0	-	3.457945
5	3	63.3	12	1464.0	1118.0	4.982735
6	2	67.6	16	1071.0	-	5.254171
7	2	81.8	8	1178.0	-	6.764983
8	3	96.7	12	1985.0	1328.0	7.422394
9	2	64.5	14	1827.0	-	8.050126
10	2	54.5	19	1225.0	-	9.745968
11	1	86.4	20	-	-	10.452462
12	1	62.6	18	-	-	11.096826

Table 30 - Long Sequence Waveform Trial#11 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	91.3	12	1304.0	-	1.088274
2	2	76.9	11	1483.0	-	2.111246
3	3	52.9	5	1911.0	1769.0	3.013440
4	3	52.9	8	1842.0	1650.0	3.307571
5	2	70.3	5	1335.0	-	5.288189
6	2	85.5	9	1502.0	-	6.490157
7	2	56.9	12	1449.0	-	7.151785
8	1	84.9	6	-	-	8.349833
9	1	83.3	6	-	-	9.564990
10	3	81.7	10	1011.0	1366.0	9.847833
11	2	83.9	8	1977.0	-	11.306848

Table 31 - Long Sequence Waveform Trial#12 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	69.6	16	1262.0	-	0.528554
2	1	78.6	9	-	-	0.950360
3	3	80.8	6	1495.0	1414.0	1.305595
4	1	76.5	7	-	-	2.120212
5	1	50.2	18	-	-	3.155845
6	2	58.8	9	1073.0	-	3.493556
7	1	75.2	15	-	-	4.194231
8	2	58.1	15	1744.0	-	4.950810
9	1	68.2	18	-	-	5.635021
10	1	52.6	6	-	-	5.984147
11	1	97.6	6	-	-	6.865757
12	2	70.2	15	1959.0	-	7.009051
13	2	67.9	7	1631.0	-	7.861067
14	1	70.4	6	-	-	8.276505
15	2	93.6	6	1460.0	-	9.320287
16	3	97.8	8	1198.0	1141.0	9.669849
17	1	81.3	11	-	-	10.613869
18	2	60.6	9	1699.0	-	11.315563
19	2	80.9	6	1195.0	-	11.575785

Table 32 - Long Sequence Waveform Trial#13 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	83.9	15	-	-	0.726837
2	2	93.4	9	1750.0	-	1.244008
3	1	50.0	20	-	-	2.570562
4	1	94.4	12	-	-	3.382211
5	2	77.7	15	1290.0	-	4.120688
6	2	66.4	7	1994.0	-	5.882889
7	1	72.5	11	-	-	6.603022
8	3	99.2	12	1128.0	1178.0	7.351725
9	2	89.7	12	1104.0	-	8.936417
10	3	53.1	11	1164.0	1085.0	9.800849
11	1	93.4	14	-	-	10.875145
12	1	84.0	18	-	-	11.465778

Table 33 - Long Sequence Waveform Trial#14 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	96.4	6	1226.0	-	0.794442
2	3	50.4	15	1934.0	1738.0	1.143129
3	2	62.0	19	1722.0	-	2.931493
4	1	55.3	19	-	-	3.361146
5	2	83.1	7	1048.0	-	4.419486
6	3	57.9	7	1101.0	1072.0	5.482838
7	2	73.7	11	1206.0	-	6.661630
8	2	69.8	13	1950.0	-	7.099303
9	2	77.5	10	1139.0	-	8.263559
10	3	56.4	6	1877.0	1478.0	9.694535
11	2	57.0	13	1816.0	-	10.267378
12	2	58.7	15	1372.0	-	11.123050

Table 34 - Long Sequence Waveform Trial#15 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	87.9	8	-	-	0.327619
2	1	69.3	8	-	-	0.840990
3	2	62.1	10	1046.0	-	1.731273
4	2	57.6	16	1120.0	-	2.069988
5	2	64.5	10	1697.0	-	2.971423
6	2	65.1	15	1665.0	-	3.281149
7	2	75.2	8	1744.0	-	3.885257
8	3	86.0	6	1430.0	1511.0	4.880748
9	1	74.7	14	-	-	5.472707
10	2	89.5	17	1590.0	-	5.821350
11	3	95.3	17	1953.0	1442.0	6.721433
12	1	61.7	7	-	-	7.516894
13	2	97.2	12	1381.0	-	8.069275
14	2	68.5	7	1996.0	-	8.653882
15	3	62.1	14	1202.0	1603.0	9.044835
16	2	60.6	19	1475.0	-	9.541136
17	3	80.2	11	1608.0	1933.0	10.385455
18	2	83.4	13	1787.0	-	11.191654
19	3	57.1	14	1882.0	1161.0	11.460024

Table 35 - Long Sequence Waveform Trial#16 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	92.3	13	1691.0	-	0.344832
2	1	72.9	12	-	-	1.099814
3	2	65.9	10	1689.0	-	2.505303
4	2	84.4	17	1238.0	-	3.824191
5	1	52.5	14	-	-	4.379251
6	1	63.0	15	-	-	5.577442
7	2	74.0	19	1420.0	-	6.393059
8	3	57.7	6	1589.0	1288.0	7.409492
9	2	68.8	6	1927.0	-	8.513422
10	2	86.2	9	1933.0	-	9.071771
11	2	67.4	7	1999.0	-	10.957407
12	2	85.6	17	1998.0	-	11.860408

Table 36 - Long Sequence Waveform Trial#17 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	98.1	6	1128.0	1379.0	0.018038
2	3	53.2	7	1522.0	1779.0	1.213263
3	2	55.8	19	1453.0	-	2.373062
4	2	81.8	6	1640.0	-	3.677522
5	2	53.4	14	1172.0	-	4.437657
6	1	86.1	15	-	-	4.655368
7	2	99.3	18	1833.0	-	6.310539
8	1	80.0	8	-	-	6.586946
9	2	50.7	11	1009.0	-	7.658772
10	1	96.0	18	-	-	8.331610
11	2	87.4	10	1800.0	-	9.244503
12	2	50.9	7	1792.0	-	10.643423
13	2	83.6	15	1928.0	-	11.502679

Table 37 - Long Sequence Waveform Trial#18 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	80.0	13	-	-	0.526427
2	3	63.8	17	1494.0	1480.0	0.837891
3	2	99.8	12	1131.0	-	1.586794
4	2	69.0	19	1348.0	-	2.658289
5	3	59.9	16	1036.0	1828.0	3.163689
6	1	74.7	8	-	-	3.444209
7	1	68.1	14	-	-	4.060442
8	2	90.9	8	1561.0	-	4.910868
9	1	86.4	10	-	-	5.471046
10	2	56.0	10	1272.0	-	6.079553
11	3	51.7	7	1549.0	1680.0	7.247088
12	3	55.1	20	1751.0	1515.0	7.610397
13	1	61.5	8	-	-	8.132713
14	1	54.8	15	-	-	8.869374
15	2	96.0	17	1485.0	-	9.624507
16	3	96.2	15	1030.0	1488.0	10.259529
17	1	90.5	7	-	-	10.884121
18	3	97.1	18	1864.0	1459.0	11.602177

Table 38 - Long Sequence Waveform Trial#19 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	94.5	11	1370.0	1802.0	0.178154
2	2	97.9	14	1854.0	-	1.146593
3	2	74.4	7	1312.0	-	1.436690
4	3	83.9	11	1268.0	1614.0	1.962264
5	2	94.2	6	1176.0	-	2.845220
6	1	67.5	12	-	-	3.373804
7	3	66.8	10	1775.0	1630.0	3.722913
8	3	63.0	8	1980.0	1236.0	4.679240
9	1	80.0	6	-	-	4.993852
10	1	80.0	15	-	-	5.538535
11	3	88.0	16	1354.0	1223.0	6.244027
12	2	98.7	12	1963.0	-	7.050946
13	2	81.8	17	1432.0	-	7.745264
14	3	54.1	18	1849.0	1924.0	8.028924
15	3	54.0	8	1576.0	1184.0	8.730606
16	1	83.9	17	-	-	9.376327
17	1	68.7	19	-	-	9.607494
18	1	58.7	17	-	-	10.496109
19	1	76.0	6	-	-	10.874889
20	2	70.2	14	1633.0	-	11.413599

Table 39 - Long Sequence Waveform Trial#20 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	80.5	5	1574.0	1187.0	0.196102
2	1	65.5	18	-	-	0.762929
3	3	88.1	7	1279.0	1675.0	1.504239
4	2	84.6	16	1629.0	-	2.422916
5	2	52.1	12	1801.0	-	2.977637
6	3	92.0	15	1449.0	1303.0	3.404702
7	1	65.1	11	-	-	4.031245
8	2	79.4	10	1445.0	-	5.020548
9	2	73.1	20	1489.0	-	5.612020
10	2	57.4	10	1768.0	-	6.184991
11	3	50.7	10	1718.0	1261.0	6.758538
12	3	77.4	19	1375.0	1057.0	6.980671
13	1	59.7	17	-	-	7.906032
14	3	73.3	12	1097.0	1075.0	8.762798
15	2	70.1	13	1096.0	-	8.862932
16	2	97.1	6	1517.0	-	9.863721
17	2	80.0	7	1409.0	-	10.341818
18	1	52.7	5	-	-	11.018988
19	2	60.9	16	1306.0	-	11.615330

Table 40 - Long Sequence Waveform Trial#21 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	53.6	16	1095.0	-	0.695998
2	3	66.8	20	1501.0	1548.0	1.201376
3	1	50.8	12	-	-	2.070872
4	2	68.0	20	1579.0	-	3.085764
5	2	85.1	8	1483.0	-	3.850012
6	1	97.0	13	-	-	4.547651
7	2	63.4	14	1548.0	-	4.801340
8	2	96.9	15	1036.0	-	6.261760
9	2	81.9	9	1696.0	-	6.889628
10	1	64.7	11	-	-	7.231693
11	3	51.5	6	1042.0	1666.0	8.301928
12	1	54.3	11	-	-	8.941653
13	2	58.7	10	1465.0	-	9.840582
14	2	88.1	7	1490.0	-	10.932457
15	3	65.4	8	1488.0	1566.0	11.875889

Table 41 - Long Sequence Waveform Trial#22 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	81.9	8	-	-	0.103309
2	1	75.1	13	-	-	1.433954
3	2	87.7	16	1732.0	-	2.911468
4	1	59.4	10	-	-	3.721310
5	3	51.4	16	1033.0	1053.0	4.113897
6	2	67.6	17	1360.0	-	5.226891
7	2	73.6	13	1444.0	-	6.706242
8	3	72.8	9	1433.0	1001.0	7.911423
9	2	59.9	18	1670.0	-	8.637818
10	2	69.8	13	1596.0	-	9.623673
11	2	85.4	15	1846.0	-	10.634483
12	2	90.3	19	1195.0	-	11.343485

Table 42 - Long Sequence Waveform Trial#23 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	72.6	16	1238.0	-	0.178838
2	3	86.9	19	1080.0	1109.0	1.074353
3	3	51.2	12	1625.0	1786.0	2.332413
4	2	64.5	6	1739.0	-	3.340133
5	2	59.1	14	1807.0	-	4.591979
6	1	83.5	6	-	-	5.876385
7	2	80.5	12	1682.0	-	6.638334
8	2	53.2	18	1392.0	-	7.328759
9	3	56.9	15	1756.0	1927.0	8.995479
10	1	58.1	11	-	-	9.679862
11	2	81.3	9	1762.0	-	10.902119
12	3	53.3	9	1224.0	1161.0	11.694150

Table 43 - Long Sequence Waveform Trial#24 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	98.3	10	1695.0	-	0.217014
2	2	85.4	12	1271.0	-	0.835990
3	2	57.8	9	1457.0	-	1.557125
4	1	93.8	7	-	-	2.531427
5	3	70.2	7	1069.0	1099.0	3.551457
6	2	77.6	13	1758.0	-	4.491051
7	3	94.9	13	1567.0	1923.0	4.585042
8	2	84.5	17	2000.0	-	5.957209
9	3	88.1	9	1028.0	1687.0	6.016056
10	3	64.2	18	1337.0	1766.0	6.882110
11	3	75.3	17	1269.0	1210.0	7.759611
12	3	99.2	16	1267.0	1728.0	8.436504
13	1	97.6	12	-	-	9.679707
14	3	81.2	14	1172.0	1183.0	10.409799
15	1	53.6	13	-	-	10.674884
16	3	89.6	7	1069.0	1228.0	11.435326

Table 44 - Long Sequence Waveform Trial#25 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	63.6	14	1877.0	-	0.444665
2	3	85.9	11	1682.0	1279.0	1.206648
3	2	84.6	16	1741.0	-	1.808623
4	2	95.3	16	1278.0	-	2.952028
5	2	84.6	14	1290.0	-	3.728496
6	3	78.9	17	1134.0	1169.0	4.019025
7	2	78.3	9	1260.0	-	4.697745
8	2	96.8	17	1292.0	-	5.495472
9	1	57.6	17	-	-	6.087802
10	2	59.0	19	1047.0	-	7.411325
11	3	70.2	15	1904.0	1854.0	7.582879
12	1	68.7	14	-	-	8.424386
13	2	63.3	9	1872.0	-	9.616511
14	2	88.7	18	1322.0	-	10.222594
15	3	83.1	10	1734.0	1728.0	11.131168
16	2	91.7	19	1272.0	-	11.860280

Table 45 - Long Sequence Waveform Trial#26 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	72.8	20	1838.0	-	0.606590
2	1	79.4	16	-	-	0.671244
3	3	77.8	19	1093.0	1826.0	1.762023
4	2	52.1	11	1623.0	-	2.057945
5	3	63.0	12	1649.0	1398.0	3.109589
6	2	86.5	8	1497.0	-	3.526811
7	2	87.8	13	1424.0	-	3.909536
8	2	52.3	10	1347.0	-	4.452066
9	2	55.2	19	1206.0	-	5.220096
10	2	85.4	10	1485.0	-	5.925534
11	1	60.9	11	-	-	6.603102
12	3	79.3	17	1950.0	1338.0	7.551074
13	3	70.3	12	1904.0	1602.0	7.661656
14	1	66.5	16	-	-	8.314729
15	1	89.2	8	-	-	9.309011
16	2	89.5	14	1226.0	-	9.745485
17	3	58.1	10	1170.0	1075.0	10.556025
18	2	60.7	6	1939.0	-	10.902220
19	2	78.2	10	1029.0	-	11.687298

Table 46 - Long Sequence Waveform Trial#27 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	81.3	14	1942.0	-	0.599565
2	3	82.3	12	1625.0	1260.0	0.936052
3	2	74.7	14	1280.0	-	2.199615
4	2	66.3	5	1098.0	-	2.305557
5	2	66.4	20	1639.0	-	3.011731
6	2	86.8	16	1301.0	-	4.407012
7	2	77.3	18	1674.0	-	4.927524
8	2	72.9	15	1212.0	-	5.923694
9	3	68.4	18	1997.0	1617.0	6.201692
10	2	92.8	19	1155.0	-	7.308360
11	3	84.6	13	1050.0	1880.0	7.755283
12	2	55.4	13	1724.0	-	8.924062
13	2	69.4	11	1766.0	-	9.648869
14	1	68.5	16	-	-	10.453716
15	2	95.8	18	1748.0	-	11.096225
16	3	99.9	11	1780.0	1947.0	11.363221

Table 47 - Long Sequence Waveform Trial#28 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	81.8	11	-	-	0.628181
2	3	54.4	14	1408.0	1486.0	1.486855
3	2	54.3	10	1620.0	-	2.903161
4	1	81.6	13	-	-	4.636103
5	2	66.2	6	1535.0	-	5.054714
6	1	65.8	14	-	-	6.190289
7	1	98.4	14	-	-	7.838999
8	2	67.8	19	1387.0	-	8.518299
9	1	84.7	10	-	-	10.441992
10	1	53.4	7	-	-	11.976135

Table 48 - Long Sequence Waveform Trial#29 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	87.3	10	1333.0	1736.0	0.172351
2	1	81.5	7	-	-	1.507395
3	2	62.3	16	1604.0	-	1.800168
4	2	74.9	10	1921.0	-	2.798972
5	2	85.0	10	1654.0	-	3.387321
6	2	73.1	16	1845.0	-	4.588610
7	3	80.1	13	1370.0	1636.0	5.542219
8	3	52.0	6	1799.0	1517.0	5.803532
9	3	54.3	17	1817.0	1450.0	7.070523
10	2	99.1	17	1354.0	-	7.476873
11	3	66.1	11	1067.0	1537.0	8.451468
12	2	87.3	15	1080.0	-	9.556254
13	2	91.1	19	1548.0	-	9.761960
14	2	72.3	19	1148.0	-	11.033013
15	1	98.1	9	-	-	11.637158

Table 49 - Long Sequence Waveform Trial#30 (Detected) 30MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	53.2	9	-	-	0.200161
2	3	55.1	10	1430.0	1281.0	1.135975
3	3	65.3	9	1957.0	1816.0	1.572097
4	3	98.3	5	1718.0	1526.0	2.358543
5	2	56.6	12	1084.0	-	3.156782
6	1	77.4	15	-	-	3.439101
7	2	93.6	12	1517.0	-	4.339402
8	1	83.4	6	-	-	4.722778
9	1	59.1	13	-	-	5.995594
10	3	65.5	18	1785.0	1561.0	6.406762
11	2	65.1	8	1181.0	-	6.750017
12	3	93.9	9	1702.0	1266.0	7.588475
13	2	72.7	15	1727.0	-	8.620548
14	1	51.8	13	-	-	9.129705
15	2	79.4	20	1841.0	-	9.395247
16	2	68.8	15	1347.0	-	10.526526
17	2	65.4	14	1886.0	-	11.325547
18	2	64.3	16	1016.0	-	11.463720

Table 50 - FCC Short Pulse Radar (Type 1) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
4	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
7	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
22	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
27	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 51 - FCC Short Pulse Radar (Type 2) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	27	2.1	159.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	28	4.9	210.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	24	1.7	175.0	Yes	5530.0MHz, -61.0dBm	Single burst
4	27	2.6	199.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	28	4.1	176.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	24	3.4	156.0	Yes	5540.0MHz, -61.0dBm	Single burst
7	24	1.7	166.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	28	3.6	183.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	28	2.3	171.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	24	2.4	196.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	25	1.8	192.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	25	2.7	159.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	23	1.7	183.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	27	1.2	194.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	27	1.9	221.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	27	3.1	229.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	28	1.5	229.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	27	1.1	219.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	29	3.7	153.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	23	1.1	216.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	28	3.5	181.0	Yes	5540.0MHz, -61.0dBm	Single burst
22	28	4.6	198.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	27	1.5	154.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	28	5.0	225.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	27	2.2	228.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	24	4.4	229.0	Yes	5540.0MHz, -61.0dBm	Single burst
27	26	1.8	222.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	23	4.6	224.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	26	3.6	217.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	23	1.4	229.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 52 - FCC Short Pulse Radar (Type 3) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	9.8	230.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	18	8.6	274.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	17	9.2	257.0	Yes	5530.0MHz, -61.0dBm	Single burst
4	17	8.2	492.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	17	8.3	259.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	18	9.1	222.0	Yes	5540.0MHz, -61.0dBm	Single burst
7	17	6.3	439.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	17	8.9	361.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	16	8.0	371.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	18	9.8	327.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	17	7.2	290.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	16	9.3	221.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	16	8.6	213.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	17	9.3	450.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	17	8.9	487.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	18	9.8	456.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	16	6.6	372.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	18	6.5	414.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	17	6.9	455.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	18	7.2	499.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	16	9.0	316.0	Yes	5540.0MHz, -61.0dBm	Single burst
22	18	7.5	202.0	No	5535.0MHz, -61.0dBm	Single burst
23	16	7.6	362.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	16	9.4	256.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	18	7.1	235.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	17	9.6	366.0	Yes	5540.0MHz, -61.0dBm	Single burst
27	17	8.6	377.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	16	8.9	456.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	17	6.5	266.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	16	7.9	440.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 53 - FCC Short Pulse Radar (Type 4) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	13	14.3	415.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	14	13.7	263.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	13	17.8	372.0	Yes	5530.0MHz, -61.0dBm	Single burst
4	13	11.2	317.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	16	19.8	372.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	14	19.1	346.0	Yes	5540.0MHz, -61.0dBm	Single burst
7	15	19.1	230.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	15	12.1	209.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	15	12.4	248.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	13	15.1	449.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	14	15.4	375.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	15	19.8	461.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	13	19.6	310.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	16	12.7	265.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	13	14.2	240.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	15	11.5	477.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	12	16.7	462.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	15	17.1	335.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	16	11.5	302.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	13	11.3	434.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	14	11.3	401.0	Yes	5540.0MHz, -61.0dBm	Single burst
22	13	17.9	327.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	13	13.3	345.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	14	18.2	394.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	12	15.9	397.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	16	12.9	238.0	Yes	5540.0MHz, -61.0dBm	Single burst
27	15	13.1	292.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	14	18.3	457.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	13	18.1	226.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	15	17.6	419.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 54 - FCC frequency hopping radar (Type 6) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5557.0MHz, -61.0dBm	Hop sequence: 5357, 5571, 5722, 5638, 5366, 5505, 5319, 5260, 5350, 5717, 5373, 5359, 5313, 5434, 5327, 5330, 5324, 5431, 5463, 5439, 5609, 5656, 5702, 5686, 5469, 5635, 5372, 5712, 5382, 5272, 5537, 5376, 5477, 5682, 5693, 5544, 5474, 5714, 5490, 5394, 5611, 5618, 5512, 5555, 5637, 5574, 5287, 5664, 5386, 5305, 5721, 5312, 5520, 5634, 5341, 5568, 5572, 5502, 5302, 5403, 5349, 5438, 5317, 5322, 5356, 5440, 5723, 5557, 5465, 5292, 5617, 5464, 5390, 5274, 5421, 5543, 5411, 5724, 5276, 5516, 5598, 5689, 5650, 5550, 5631, 5510, 5362, 5615, 5307, 5597, 5344, 5619, 5604, 5400, 5279, 5436, 5652, 5457, 5395, 5645 (6 hits)
2	9	1.0	333.0	Yes	5558.0MHz, -61.0dBm	Hop sequence: 5601, 5426, 5608, 5672, 5432, 5383, 5424, 5495, 5346, 5489, 5499, 5309, 5340, 5298, 5326, 5342, 5457, 5290, 5430, 5491, 5344, 5661, 5579, 5628, 5423, 5470, 5502, 5714, 5523, 5488, 5528, 5379, 5291, 5325, 5300, 5549, 5296, 5332, 5557, 5545, 5626, 5617, 5321, 5604, 5259, 5389, 5673, 5435, 5390, 5448, 5255, 5375, 5559, 5316, 5510, 5675, 5331, 5642, 5663, 5254, 5348, 5624, 5506, 5467, 5350, 5299, 5517, 5668, 5279, 5691, 5314, 5278, 5257, 5656, 5275, 5369, 5713, 5336, 5676, 5649, 5598, 5678, 5629, 5585, 5516, 5317, 5263, 5662, 5479, 5446, 5469, 5407, 5655, 5633, 5709, 5581, 5482, 5281, 5380, 5384 (5 hits)
3	9	1.0	333.0	Yes	5522.0MHz, -61.0dBm	Hop sequence: 5478, 5643, 5389, 5429, 5509, 5528, 5675, 5314, 5552, 5482, 5385, 5430, 5383, 5649, 5353, 5452, 5674, 5479, 5558, 5530, 5431, 5447, 5524, 5476, 5567, 5455, 5287, 5576, 5634, 5571, 5642, 5332, 5604, 5673, 5302, 5548, 5616, 5613, 5540, 5480, 5258, 5282, 5632, 5602, 5645, 5387, 5526, 5600, 5469, 5473, 5415, 5250, 5443, 5692, 5706, 5666, 5684, 5262, 5630, 5436, 5590, 5543, 5357, 5364, 5609, 5392, 5514, 5641, 5607, 5497, 5265, 5636, 5723, 5670, 5539, 5577, 5507, 5448, 5400, 5266, 5700, 5608, 5310, 5368, 5273, 5257, 5377, 5432, 5298, 5617, 5672, 5522, 5661, 5694, 5433, 5355, 5718, 5270, 5401, 5344 (11 hits)
4	9	1.0	333.0	Yes	5523.0MHz, -61.0dBm	Hop sequence: 5658, 5661, 5311, 5634, 5373, 5307, 5321, 5251, 5696, 5664, 5486, 5597, 5324, 5642, 5671, 5287, 5709, 5424, 5540, 5553, 5552, 5541, 5508, 5288, 5389, 5720, 5410, 5543, 5485, 5312, 5517, 5438, 5721, 5580, 5315, 5657, 5555, 5685, 5536, 5563, 5308, 5505, 5623, 5497, 5613, 5686, 5670, 5585, 5610, 5411, 5359, 5703, 5719, 5681, 5394, 5687, 5256, 5579, 5259, 5412, 5627, 5269, 5445, 5415, 5465, 5382, 5406, 5565, 5400, 5710, 5578, 5712, 5345, 5711, 5274, 5258, 5558, 5367, 5341, 5548, 5333, 5328, 5449, 5419, 5479, 5264, 5701, 5676, 5468, 5337, 5261, 5487, 5602, 5562, 5605, 5575, 5318, 5397, 5386, 5313 (9 hits)
5	9	1.0	333.0	Yes	5524.0MHz, -61.0dBm	Hop sequence: 5365, 5339, 5546, 5672, 5446, 5693, 5483, 5673, 5353, 5585, 5480, 5334, 5498, 5349, 5282, 5712, 5268, 5583, 5622, 5464, 5699, 5687, 5278, 5628, 5647, 5433, 5620, 5271, 5631, 5421, 5436, 5305, 5475, 5616, 5633, 5686, 5383, 5466, 5316, 5520, 5323, 5657, 5524, 5405, 5326, 5609,

Table 54 - FCC frequency hopping radar (Type 6) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5660, 5324, 5492, 5582, 5418, 5600, 5370, 5569, 5697, 5596, 5724, 5331, 5552, 5417, 5653, 5689, 5716, 5670, 5685, 5623, 5522, 5656, 5359, 5252, 5663, 5528, 5578, 5495, 5332, 5516, 5592, 5591, 5641, 5603, 5564, 5502, 5386, 5584, 5696, 5255, 5408, 5717, 5530, 5532, 5426, 5691, 5460, 5267, 5512, 5276, 5630, 5363, 5425, 5646 (7 hits)
6	9	1.0	333.0	Yes	5525.0MHz, -61.0dBm	Hop sequence: 5334, 5484, 5588, 5394, 5425, 5630, 5339, 5493, 5351, 5363, 5369, 5562, 5527, 5519, 5272, 5550, 5463, 5388, 5596, 5510, 5518, 5449, 5302, 5479, 5457, 5700, 5264, 5443, 5684, 5420, 5313, 5669, 5589, 5698, 5312, 5617, 5530, 5367, 5539, 5542, 5552, 5275, 5260, 5635, 5320, 5378, 5665, 5451, 5505, 5548, 5444, 5687, 5335, 5649, 5256, 5358, 5520, 5322, 5324, 5558, 5344, 5494, 5483, 5257, 5434, 5673, 5504, 5382, 5268, 5513, 5591, 5491, 5664, 5653, 5284, 5581, 5290, 5412, 5516, 5317, 5580, 5568, 5273, 5318, 5679, 5292, 5486, 5347, 5414, 5390, 5694, 5534, 5418, 5714, 5507, 5637, 5454, 5431, 5387, 5585 (9 hits)
7	9	1.0	333.0	Yes	5526.0MHz, -61.0dBm	Hop sequence: 5427, 5323, 5394, 5543, 5484, 5456, 5460, 5299, 5271, 5481, 5350, 5626, 5600, 5395, 5319, 5341, 5618, 5530, 5325, 5662, 5584, 5258, 5720, 5431, 5293, 5605, 5326, 5402, 5661, 5426, 5464, 5554, 5673, 5635, 5670, 5418, 5614, 5582, 5355, 5665, 5440, 5375, 5365, 5555, 5447, 5538, 5255, 5273, 5621, 5508, 5722, 5660, 5278, 5377, 5494, 5509, 5592, 5589, 5262, 5630, 5254, 5433, 5253, 5276, 5657, 5599, 5656, 5283, 5653, 5719, 5266, 5527, 5548, 5453, 5675, 5357, 5631, 5644, 5286, 5725, 5399, 5591, 5699, 5532, 5296, 5620, 5462, 5292, 5400, 5534, 5561, 5390, 5329, 5458, 5461, 5672, 5346, 5370, 5335, 5712 (9 hits)
8	9	1.0	333.0	Yes	5527.0MHz, -61.0dBm	Hop sequence: 5277, 5398, 5438, 5351, 5646, 5319, 5355, 5623, 5387, 5480, 5435, 5546, 5462, 5506, 5363, 5343, 5610, 5562, 5323, 5624, 5390, 5714, 5411, 5306, 5629, 5388, 5326, 5573, 5367, 5669, 5356, 5293, 5636, 5430, 5359, 5518, 5364, 5257, 5448, 5670, 5667, 5648, 5397, 5622, 5508, 5497, 5335, 5490, 5538, 5668, 5307, 5477, 5659, 5498, 5358, 5615, 5510, 5618, 5549, 5320, 5707, 5461, 5284, 5704, 5556, 5501, 5607, 5609, 5712, 5464, 5715, 5309, 5583, 5599, 5479, 5317, 5419, 5290, 5543, 5720, 5528, 5494, 5484, 5512, 5643, 5403, 5489, 5482, 5444, 5530, 5635, 5259, 5417, 5698, 5312, 5725, 5485, 5545, 5440, 5349 (8 hits)
9	9	1.0	333.0	Yes	5528.0MHz, -61.0dBm	Hop sequence: 5280, 5501, 5417, 5448, 5465, 5296, 5584, 5555, 5356, 5626, 5607, 5376, 5473, 5720, 5282, 5595, 5531, 5406, 5636, 5488, 5346, 5489, 5518, 5498, 5523, 5561, 5403, 5500, 5387, 5672, 5405, 5635, 5476, 5348, 5486, 5619, 5287, 5675, 5499, 5616, 5411, 5513, 5597, 5391, 5338, 5321, 5589, 5401, 5660, 5266, 5613, 5305, 5572, 5422, 5568, 5592, 5375, 5694, 5470, 5725, 5565, 5610, 5289, 5383, 5519, 5719, 5419, 5535, 5692, 5525, 5676, 5643, 5713, 5267, 5585, 5438, 5299, 5698, 5637, 5439, 5540, 5450, 5503, 5507, 5272, 5434, 5440, 5691, 5600, 5336, 5688, 5504, 5594, 5644, 5482, 5579, 5542, 5539, 5533, 5315 (9 hits)

Table 54 - FCC frequency hopping radar (Type 6) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
10	9	1.0	333.0	Yes	5529.0MHz, -61.0dBm	Hop sequence: 5557, 5353, 5584, 5661, 5482, 5393, 5270, 5478, 5432, 5299, 5707, 5464, 5313, 5674, 5609, 5619, 5359, 5624, 5611, 5326, 5716, 5348, 5621, 5675, 5423, 5560, 5683, 5547, 5697, 5622, 5445, 5275, 5440, 5666, 5347, 5696, 5704, 5689, 5555, 5714, 5417, 5251, 5513, 5261, 5314, 5620, 5408, 5680, 5435, 5473, 5522, 5725, 5457, 5701, 5608, 5422, 5292, 5605, 5355, 5413, 5390, 5471, 5717, 5253, 5389, 5563, 5638, 5488, 5309, 5264, 5501, 5554, 5294, 5515, 5570, 5544, 5599, 5507, 5594, 5667, 5354, 5642, 5287, 5436, 5669, 5310, 5706, 5260, 5664, 5606, 5684, 5257, 5442, 5713, 5335, 5315, 5500, 5616, 5705, 5635 (6 hits)
11	9	1.0	333.0	Yes	5530.0MHz, -61.0dBm	Hop sequence: 5579, 5256, 5308, 5702, 5549, 5380, 5504, 5560, 5515, 5605, 5621, 5394, 5328, 5403, 5315, 5291, 5592, 5665, 5543, 5648, 5321, 5644, 5563, 5418, 5274, 5330, 5575, 5706, 5496, 5347, 5490, 5280, 5348, 5590, 5331, 5614, 5645, 5632, 5518, 5610, 5691, 5318, 5346, 5595, 5307, 5564, 5424, 5643, 5367, 5550, 5687, 5342, 5285, 5298, 5277, 5495, 5502, 5544, 5554, 5353, 5333, 5708, 5317, 5651, 5439, 5295, 5635, 5455, 5581, 5323, 5582, 5488, 5334, 5510, 5311, 5720, 5524, 5363, 5633, 5619, 5271, 5501, 5580, 5497, 5617, 5400, 5547, 5472, 5434, 5519, 5624, 5375, 5359, 5344, 5540, 5636, 5421, 5341, 5530, 5358 (9 hits)
12	9	1.0	333.0	Yes	5531.0MHz, -61.0dBm	Hop sequence: 5720, 5262, 5466, 5393, 5351, 5552, 5334, 5348, 5451, 5461, 5453, 5582, 5283, 5553, 5347, 5412, 5446, 5702, 5270, 5674, 5486, 5325, 5257, 5565, 5463, 5533, 5312, 5425, 5715, 5714, 5703, 5581, 5541, 5536, 5634, 5426, 5375, 5673, 5616, 5656, 5642, 5290, 5521, 5620, 5384, 5377, 5365, 5576, 5527, 5724, 5383, 5482, 5362, 5574, 5497, 5646, 5448, 5522, 5458, 5595, 5337, 5330, 5434, 5694, 5564, 5493, 5338, 5588, 5653, 5414, 5253, 5609, 5560, 5635, 5649, 5416, 5549, 5547, 5488, 5520, 5538, 5432, 5285, 5503, 5411, 5462, 5299, 5391, 5637, 5675, 5430, 5339, 5413, 5607, 5502, 5593, 5417, 5450, 5615, 5517 (10 hits)
13	9	1.0	333.0	Yes	5532.0MHz, -61.0dBm	Hop sequence: 5464, 5281, 5251, 5635, 5280, 5285, 5426, 5406, 5425, 5363, 5527, 5564, 5308, 5513, 5658, 5318, 5301, 5360, 5260, 5589, 5431, 5653, 5404, 5303, 5724, 5636, 5272, 5300, 5275, 5440, 5568, 5389, 5574, 5692, 5681, 5561, 5412, 5716, 5381, 5688, 5640, 5457, 5659, 5321, 5508, 5577, 5535, 5286, 5382, 5592, 5336, 5555, 5598, 5427, 5670, 5395, 5375, 5614, 5414, 5436, 5326, 5654, 5295, 5676, 5489, 5268, 5645, 5315, 5534, 5293, 5529, 5415, 5264, 5446, 5487, 5710, 5522, 5617, 5542, 5604, 5610, 5323, 5545, 5332, 5643, 5520, 5515, 5641, 5458, 5310, 5374, 5354, 5266, 5627, 5481, 5467, 5708, 5362, 5669, 5541 (9 hits)
14	9	1.0	333.0	Yes	5533.0MHz, -61.0dBm	Hop sequence: 5511, 5661, 5417, 5552, 5701, 5265, 5714, 5700, 5647, 5320, 5709, 5334, 5720, 5375, 5396, 5282, 5648, 5288, 5600, 5271, 5425, 5366, 5250, 5286, 5666, 5342, 5406, 5617, 5630, 5693, 5509, 5386, 5338, 5356, 5306, 5573, 5318, 5531, 5553, 5672, 5398, 5447, 5276, 5294, 5289, 5266, 5490, 5676, 5581, 5260, 5468, 5539, 5256,

Table 54 - FCC frequency hopping radar (Type 6) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5517, 5694, 5638, 5401, 5378, 5650, 5433, 5304, 5431, 5479, 5518, 5389, 5505, 5683, 5592, 5564, 5312, 5499, 5690, 5601, 5407, 5536, 5660, 5571, 5685, 5572, 5321, 5461, 5574, 5434, 5516, 5563, 5324, 5474, 5357, 5428, 5502, 5453, 5645, 5522, 5418, 5254, 5620, 5566, 5651, 5545, 5465 (7 hits)
15	9	1.0	333.0	Yes	5534.0MHz, -61.0dBm	Hop sequence: 5558, 5613, 5300, 5609, 5692, 5607, 5618, 5285, 5594, 5340, 5458, 5367, 5585, 5428, 5332, 5412, 5430, 5533, 5626, 5476, 5677, 5632, 5498, 5600, 5460, 5500, 5532, 5701, 5453, 5535, 5620, 5352, 5680, 5568, 5714, 5299, 5716, 5382, 5589, 5700, 5487, 5710, 5634, 5554, 5305, 5356, 5351, 5516, 5649, 5425, 5549, 5257, 5333, 5272, 5560, 5374, 5478, 5622, 5359, 5545, 5667, 5375, 5648, 5377, 5253, 5588, 5521, 5499, 5691, 5509, 5601, 5639, 5611, 5615, 5514, 5604, 5334, 5675, 5526, 5721, 5529, 5580, 5250, 5687, 5491, 5411, 5339, 5357, 5260, 5566, 5274, 5477, 5530, 5465, 5364, 5438, 5423, 5408, 5435, 5539 (11 hits)
16	9	1.0	333.0	Yes	5535.0MHz, -61.0dBm	Hop sequence: 5332, 5485, 5505, 5405, 5378, 5574, 5686, 5628, 5660, 5265, 5297, 5627, 5591, 5534, 5390, 5428, 5599, 5331, 5640, 5276, 5532, 5653, 5260, 5469, 5610, 5366, 5459, 5579, 5423, 5487, 5550, 5652, 5410, 5541, 5659, 5692, 5358, 5522, 5570, 5261, 5696, 5515, 5360, 5463, 5548, 5295, 5712, 5281, 5470, 5317, 5330, 5489, 5253, 5344, 5454, 5551, 5608, 5460, 5263, 5516, 5438, 5561, 5649, 5381, 5300, 5406, 5408, 5302, 5278, 5585, 5369, 5353, 5650, 5721, 5402, 5555, 5562, 5466, 5422, 5626, 5685, 5658, 5270, 5546, 5539, 5588, 5453, 5577, 5445, 5371, 5484, 5480, 5501, 5500, 5615, 5301, 5389, 5373, 5503, 5664 (10 hits)
17	9	1.0	333.0	Yes	5536.0MHz, -61.0dBm	Hop sequence: 5555, 5323, 5702, 5457, 5663, 5676, 5594, 5291, 5604, 5569, 5529, 5491, 5321, 5646, 5263, 5401, 5495, 5532, 5603, 5277, 5494, 5274, 5570, 5302, 5685, 5411, 5253, 5481, 5520, 5456, 5294, 5714, 5544, 5454, 5409, 5283, 5519, 5591, 5630, 5378, 5429, 5657, 5480, 5448, 5545, 5648, 5343, 5293, 5595, 5568, 5387, 5443, 5563, 5590, 5723, 5356, 5272, 5260, 5550, 5273, 5446, 5543, 5472, 5601, 5587, 5514, 5334, 5497, 5357, 5475, 5489, 5414, 5511, 5466, 5549, 5353, 5565, 5376, 5384, 5349, 5284, 5501, 5584, 5508, 5562, 5447, 5607, 5623, 5308, 5700, 5280, 5275, 5567, 5509, 5658, 5487, 5433, 5470, 5656, 5424 (8 hits)
18	9	1.0	333.0	Yes	5537.0MHz, -61.0dBm	Hop sequence: 5558, 5325, 5425, 5366, 5649, 5647, 5569, 5721, 5337, 5458, 5334, 5314, 5424, 5409, 5395, 5605, 5531, 5445, 5294, 5316, 5519, 5378, 5273, 5462, 5369, 5607, 5636, 5415, 5359, 5482, 5539, 5477, 5576, 5456, 5451, 5512, 5397, 5640, 5483, 5327, 5514, 5510, 5485, 5466, 5650, 5362, 5716, 5699, 5489, 5475, 5365, 5399, 5383, 5578, 5298, 5251, 5405, 5274, 5643, 5568, 5559, 5469, 5344, 5626, 5697, 5356, 5368, 5509, 5623, 5622, 5371, 5684, 5280, 5463, 5335, 5681, 5285, 5350, 5690, 5674, 5332, 5374, 5507, 5549, 5427, 5634, 5611, 5577, 5676, 5265, 5367, 5384, 5495, 5528, 5505, 5625, 5710, 5580, 5529, 5411 (6 hits)
19	9	1.0	333.0	Yes	5538.0MHz,	Hop sequence: 5427, 5534, 5320, 5510,

Table 54 - FCC frequency hopping radar (Type 6) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-61.0dBm	5541, 5334, 5480, 5486, 5346, 5546, 5671, 5426, 5693, 5659, 5687, 5412, 5584, 5542, 5667, 5588, 5424, 5551, 5306, 5408, 5330, 5566, 5383, 5386, 5357, 5558, 5704, 5273, 5572, 5697, 5702, 5376, 5329, 5343, 5511, 5317, 5458, 5362, 5647, 5500, 5460, 5673, 5557, 5706, 5434, 5593, 5538, 5705, 5256, 5443, 5263, 5672, 5660, 5394, 5701, 5556, 5403, 5665, 5499, 5392, 5522, 5514, 5324, 5645, 5448, 5695, 5609, 5604, 5662, 5634, 5366, 5550, 5562, 5535, 5300, 5620, 5651, 5423, 5579, 5374, 5419, 5590, 5416, 5714, 5475, 5570, 5328, 5440, 5250, 5487, 5457, 5450, 5400, 5410, 5356, 5513 (12 hits)
20	9	1.0	333.0	Yes	5539.0MHz, -61.0dBm	Hop sequence: 5389, 5299, 5655, 5606, 5554, 5332, 5318, 5608, 5555, 5333, 5636, 5478, 5508, 5541, 5289, 5725, 5265, 5643, 5546, 5328, 5704, 5411, 5383, 5280, 5660, 5552, 5266, 5677, 5319, 5371, 5689, 5309, 5268, 5665, 5662, 5450, 5281, 5277, 5620, 5641, 5356, 5625, 5570, 5630, 5440, 5540, 5293, 5344, 5537, 5685, 5634, 5460, 5254, 5556, 5686, 5651, 5412, 5272, 5708, 5292, 5468, 5699, 5402, 5563, 5497, 5300, 5514, 5560, 5368, 5413, 5490, 5565, 5521, 5611, 5387, 5321, 5326, 5325, 5666, 5372, 5480, 5482, 5586, 5573, 5437, 5682, 5378, 5428, 5688, 5404, 5423, 5390, 5609, 5649, 5357, 5553, 5461, 5448, 5360, 5297 (9 hits)
21	9	1.0	333.0	Yes	5540.0MHz, -61.0dBm	Hop sequence: 5399, 5615, 5506, 5294, 5364, 5493, 5417, 5547, 5345, 5532, 5263, 5312, 5632, 5513, 5314, 5490, 5424, 5433, 5517, 5415, 5303, 5609, 5642, 5409, 5274, 5648, 5638, 5664, 5640, 5601, 5591, 5587, 5315, 5519, 5589, 5673, 5275, 5329, 5304, 5462, 5374, 5672, 5287, 5641, 5471, 5432, 5354, 5595, 5723, 5703, 5524, 5277, 5608, 5630, 5549, 5338, 5720, 5469, 5501, 5636, 5283, 5418, 5702, 5483, 5693, 5665, 5645, 5696, 5701, 5714, 5577, 5431, 5694, 5273, 5440, 5682, 5593, 5457, 5379, 5498, 5405, 5479, 5528, 5480, 5437, 5503, 5707, 5625, 5700, 5318, 5676, 5568, 5350, 5592, 5340, 5455, 5310, 5456, 5556, 5574 (6 hits)
22	9	1.0	333.0	Yes	5541.0MHz, -61.0dBm	Hop sequence: 5698, 5580, 5320, 5319, 5524, 5575, 5511, 5657, 5315, 5683, 5579, 5474, 5384, 5470, 5521, 5682, 5391, 5714, 5427, 5312, 5457, 5252, 5711, 5358, 5586, 5418, 5272, 5447, 5397, 5290, 5329, 5713, 5513, 5324, 5271, 5314, 5614, 5376, 5364, 5385, 5340, 5675, 5432, 5666, 5715, 5382, 5544, 5571, 5316, 5430, 5627, 5396, 5680, 5640, 5458, 5542, 5589, 5292, 5598, 5556, 5373, 5335, 5411, 5357, 5284, 5615, 5306, 5255, 5600, 5387, 5439, 5706, 5311, 5275, 5674, 5438, 5603, 5390, 5670, 5661, 5298, 5265, 5251, 5690, 5582, 5554, 5636, 5520, 5618, 5536, 5704, 5518, 5317, 5612, 5539, 5599, 5291, 5514, 5463, 5257 (7 hits)
23	9	1.0	333.0	Yes	5542.0MHz, -61.0dBm	Hop sequence: 5600, 5617, 5700, 5450, 5366, 5623, 5598, 5343, 5647, 5545, 5624, 5473, 5662, 5436, 5712, 5388, 5384, 5609, 5489, 5596, 5410, 5251, 5524, 5530, 5333, 5438, 5493, 5258, 5643, 5614, 5283, 5383, 5297, 5491, 5277, 5381, 5659, 5341, 5534, 5460, 5320, 5563, 5701, 5284, 5266, 5411, 5454, 5404, 5525, 5309, 5345, 5502, 5358, 5437, 5635, 5650, 5461, 5272, 5443, 5423,

Table 54 - FCC frequency hopping radar (Type 6) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5412, 5707, 5439, 5654, 5401, 5315, 5441, 5630, 5475, 5528, 5382, 5305, 5621, 5323, 5519, 5515, 5567, 5457, 5562, 5668, 5705, 5365, 5274, 5321, 5718, 5713, 5378, 5687, 5448, 5353, 5671, 5379, 5360, 5604, 5582, 5702, 5426, 5511, 5269, 5324 (6 hits)
24	9	1.0	333.0	Yes	5543.0MHz, -61.0dBm	Hop sequence: 5550, 5299, 5702, 5502, 5335, 5399, 5518, 5365, 5578, 5400, 5675, 5595, 5414, 5385, 5481, 5487, 5661, 5319, 5647, 5517, 5572, 5591, 5296, 5471, 5711, 5586, 5683, 5360, 5668, 5724, 5633, 5554, 5369, 5419, 5258, 5379, 5594, 5534, 5546, 5416, 5621, 5284, 5679, 5638, 5671, 5585, 5653, 5449, 5677, 5658, 5349, 5654, 5318, 5494, 5685, 5298, 5432, 5672, 5521, 5603, 5409, 5495, 5530, 5717, 5700, 5465, 5286, 5516, 5306, 5725, 5704, 5454, 5589, 5563, 5405, 5466, 5257, 5691, 5322, 5392, 5617, 5529, 5331, 5421, 5614, 5303, 5350, 5622, 5393, 5340, 5696, 5676, 5314, 5693, 5383, 5477, 5268, 5592, 5566, 5659 (6 hits)
25	9	1.0	333.0	Yes	5544.0MHz, -61.0dBm	Hop sequence: 5308, 5372, 5720, 5367, 5356, 5256, 5604, 5318, 5543, 5269, 5577, 5674, 5450, 5564, 5646, 5664, 5432, 5659, 5655, 5271, 5519, 5254, 5602, 5401, 5304, 5670, 5588, 5498, 5402, 5570, 5474, 5487, 5463, 5403, 5652, 5629, 5631, 5398, 5541, 5285, 5594, 5480, 5711, 5456, 5475, 5528, 5293, 5624, 5341, 5272, 5536, 5411, 5412, 5370, 5592, 5680, 5551, 5700, 5301, 5615, 5611, 5589, 5284, 5520, 5485, 5634, 5431, 5710, 5342, 5478, 5397, 5512, 5511, 5565, 5479, 5291, 5331, 5537, 5608, 5515, 5516, 5483, 5423, 5644, 5559, 5698, 5385, 5603, 5327, 5452, 5584, 5391, 5421, 5585, 5614, 5654, 5502, 5445, 5621, 5430 (6 hits)
26	9	1.0	333.0	Yes	5545.0MHz, -61.0dBm	Hop sequence: 5467, 5495, 5329, 5646, 5385, 5402, 5719, 5704, 5321, 5515, 5589, 5655, 5692, 5685, 5643, 5595, 5331, 5460, 5459, 5725, 5630, 5510, 5397, 5267, 5675, 5527, 5518, 5353, 5575, 5263, 5487, 5680, 5312, 5399, 5691, 5509, 5379, 5724, 5721, 5693, 5398, 5571, 5578, 5552, 5433, 5533, 5499, 5283, 5662, 5265, 5644, 5266, 5450, 5422, 5437, 5669, 5548, 5642, 5714, 5601, 5615, 5568, 5702, 5602, 5551, 5338, 5273, 5664, 5378, 5269, 5444, 5274, 5452, 5541, 5429, 5260, 5508, 5456, 5598, 5528, 5690, 5381, 5332, 5430, 5391, 5449, 5336, 5451, 5673, 5526, 5709, 5621, 5438, 5359, 5688, 5305, 5311, 5514, 5717, 5478 (8 hits)
27	9	1.0	333.0	Yes	5546.0MHz, -61.0dBm	Hop sequence: 5556, 5667, 5509, 5386, 5286, 5521, 5607, 5682, 5336, 5569, 5442, 5263, 5349, 5565, 5369, 5306, 5400, 5424, 5717, 5522, 5589, 5404, 5693, 5342, 5543, 5435, 5510, 5555, 5448, 5337, 5479, 5505, 5341, 5253, 5410, 5321, 5696, 5545, 5409, 5318, 5375, 5508, 5546, 5490, 5670, 5483, 5568, 5412, 5480, 5469, 5516, 5527, 5645, 5584, 5377, 5269, 5532, 5315, 5544, 5499, 5671, 5608, 5511, 5604, 5372, 5676, 5722, 5579, 5681, 5571, 5262, 5385, 5381, 5302, 5675, 5397, 5335, 5251, 5417, 5453, 5411, 5304, 5488, 5316, 5536, 5701, 5265, 5685, 5506, 5268, 5638, 5617, 5419, 5614, 5698, 5653, 5534, 5627, 5292, 5712 (11 hits)
28	9	1.0	333.0	Yes	5547.0MHz, -61.0dBm	Hop sequence: 5441, 5713, 5601, 5406, 5635, 5304, 5549, 5648, 5397, 5569, 5523,

Table 54 - FCC frequency hopping radar (Type 6) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5448, 5404, 5366, 5626, 5449, 5302, 5620, 5555, 5652, 5384, 5700, 5272, 5670, 5431, 5295, 5578, 5410, 5630, 5373, 5440, 5389, 5486, 5639, 5317, 5370, 5678, 5671, 5377, 5545, 5692, 5422, 5513, 5588, 5560, 5580, 5655, 5682, 5675, 5680, 5547, 5495, 5363, 5355, 5420, 5617, 5543, 5251, 5603, 5403, 5658, 5508, 5497, 5600, 5695, 5704, 5287, 5488, 5455, 5278, 5509, 5576, 5703, 5391, 5705, 5562, 5570, 5707, 5565, 5294, 5572, 5577, 5559, 5342, 5353, 5359, 5367, 5660, 5632, 5520, 5409, 5445, 5542, 5424, 5627, 5628, 5612, 5273, 5535, 5625 (8 hits)
29	9	1.0	333.0	Yes	5548.0MHz, -61.0dBm	Hop sequence: 5409, 5682, 5580, 5460, 5533, 5535, 5547, 5698, 5282, 5357, 5610, 5376, 5285, 5387, 5345, 5313, 5654, 5496, 5626, 5299, 5701, 5566, 5644, 5419, 5539, 5596, 5398, 5661, 5257, 5597, 5314, 5587, 5315, 5408, 5616, 5572, 5260, 5412, 5650, 5263, 5590, 5289, 5678, 5472, 5636, 5548, 5691, 5442, 5690, 5604, 5278, 5662, 5546, 5622, 5510, 5713, 5481, 5505, 5436, 5716, 5276, 5715, 5256, 5581, 5611, 5719, 5560, 5553, 5344, 5529, 5540, 5469, 5646, 5394, 5462, 5486, 5300, 5290, 5261, 5498, 5511, 5426, 5706, 5467, 5494, 5714, 5487, 5375, 5576, 5686, 5439, 5627, 5453, 5669, 5594, 5695, 5287, 5629, 5648, 5509 (9 hits)
30	9	1.0	333.0	Yes	5549.0MHz, -61.0dBm	Hop sequence: 5445, 5260, 5342, 5460, 5605, 5576, 5388, 5462, 5635, 5689, 5433, 5372, 5609, 5725, 5603, 5597, 5675, 5611, 5594, 5643, 5553, 5440, 5583, 5641, 5420, 5501, 5631, 5407, 5526, 5443, 5352, 5676, 5648, 5481, 5581, 5337, 5612, 5278, 5336, 5304, 5568, 5387, 5418, 5531, 5625, 5548, 5412, 5355, 5272, 5437, 5529, 5453, 5396, 5358, 5589, 5332, 5377, 5359, 5610, 5652, 5346, 5707, 5658, 5487, 5431, 5564, 5662, 5694, 5570, 5723, 5706, 5633, 5314, 5567, 5704, 5380, 5558, 5508, 5353, 5490, 5344, 5650, 5593, 5607, 5511, 5267, 5666, 5297, 5305, 5423, 5544, 5712, 5325, 5469, 5369, 5500, 5425, 5442, 5384, 5457 (7 hits)
31	9	1.0	333.0	Yes	5550.0MHz, -61.0dBm	Hop sequence: 5484, 5613, 5670, 5474, 5699, 5277, 5371, 5443, 5274, 5459, 5579, 5388, 5513, 5475, 5258, 5580, 5539, 5400, 5494, 5359, 5365, 5355, 5362, 5384, 5534, 5510, 5596, 5401, 5594, 5348, 5265, 5347, 5531, 5441, 5338, 5292, 5438, 5504, 5633, 5473, 5278, 5514, 5485, 5452, 5544, 5293, 5722, 5424, 5698, 5524, 5442, 5385, 5472, 5478, 5460, 5659, 5259, 5603, 5252, 5339, 5417, 5610, 5369, 5341, 5284, 5634, 5271, 5325, 5609, 5302, 5664, 5387, 5428, 5500, 5379, 5345, 5677, 5628, 5419, 5554, 5717, 5701, 5299, 5662, 5280, 5686, 5367, 5499, 5487, 5695, 5604, 5672, 5380, 5495, 5598, 5374, 5288, 5360, 5619, 5673 (6 hits)
32	9	1.0	333.0	Yes	5551.0MHz, -61.0dBm	Hop sequence: 5331, 5717, 5587, 5637, 5661, 5638, 5266, 5398, 5521, 5430, 5724, 5408, 5308, 5307, 5682, 5679, 5370, 5497, 5566, 5420, 5528, 5487, 5500, 5578, 5656, 5450, 5360, 5696, 5606, 5708, 5636, 5454, 5265, 5273, 5552, 5467, 5362, 5605, 5646, 5303, 5350, 5253, 5286, 5603, 5425, 5613, 5688, 5582, 5369, 5643, 5465, 5388, 5295, 5403, 5363, 5673, 5545, 5437, 5419, 5446, 5455, 5281, 5623, 5262, 5563, 5470, 5458,

Table 54 - FCC frequency hopping radar (Type 6) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5269, 5275, 5322, 5660, 5434, 5409, 5492, 5251, 5459, 5310, 5527, 5697, 5344, 5690, 5709, 5583, 5569, 5305, 5267, 5715, 5592, 5676, 5557, 5402, 5391, 5329, 5442, 5462, 5494, 5424, 5517, 5644, 5355 (5 hits)
33	9	1.0	333.0	Yes	5552.0MHz, -61.0dBm	Hop sequence: 5297, 5272, 5692, 5339, 5379, 5289, 5442, 5690, 5447, 5647, 5360, 5550, 5434, 5373, 5273, 5298, 5377, 5439, 5561, 5505, 5502, 5536, 5710, 5400, 5265, 5355, 5653, 5453, 5544, 5487, 5254, 5438, 5259, 5257, 5364, 5698, 5675, 5362, 5286, 5669, 5590, 5499, 5525, 5530, 5582, 5724, 5478, 5579, 5376, 5312, 5651, 5444, 5302, 5445, 5639, 5449, 5694, 5572, 5492, 5359, 5555, 5291, 5480, 5624, 5345, 5613, 5688, 5704, 5299, 5404, 5293, 5602, 5658, 5422, 5668, 5398, 5583, 5717, 5703, 5498, 5269, 5409, 5256, 5262, 5545, 5671, 5385, 5520, 5594, 5324, 5641, 5660, 5340, 5622, 5433, 5634, 5255, 5387, 5349, 5521 (7 hits)
34	9	1.0	333.0	Yes	5553.0MHz, -61.0dBm	Hop sequence: 5604, 5466, 5342, 5325, 5458, 5561, 5532, 5637, 5652, 5614, 5716, 5344, 5460, 5379, 5449, 5725, 5579, 5640, 5256, 5673, 5341, 5445, 5271, 5530, 5597, 5311, 5391, 5443, 5661, 5587, 5396, 5349, 5701, 5487, 5422, 5528, 5595, 5593, 5277, 5651, 5705, 5402, 5360, 5700, 5629, 5301, 5708, 5654, 5440, 5559, 5472, 5454, 5327, 5371, 5324, 5407, 5709, 5606, 5318, 5425, 5591, 5522, 5616, 5461, 5419, 5524, 5698, 5594, 5565, 5666, 5645, 5353, 5452, 5416, 5257, 5413, 5605, 5265, 5444, 5420, 5656, 5437, 5359, 5599, 5550, 5723, 5547, 5672, 5639, 5526, 5356, 5539, 5477, 5650, 5638, 5450, 5634, 5726, 5319, 5279 (9 hits)
35	9	1.0	333.0	Yes	5554.0MHz, -61.0dBm	Hop sequence: 5593, 5716, 5283, 5638, 5350, 5600, 5482, 5710, 5294, 5413, 5311, 5316, 5538, 5494, 5696, 5682, 5622, 5639, 5333, 5637, 5267, 5440, 5401, 5368, 5448, 5328, 5278, 5558, 5530, 5506, 5554, 5438, 5389, 5647, 5598, 5454, 5654, 5668, 5370, 5355, 5288, 5377, 5428, 5345, 5689, 5362, 5310, 5359, 5303, 5513, 5301, 5503, 5306, 5299, 5334, 5272, 5561, 5452, 5707, 5640, 5500, 5313, 5505, 5386, 5374, 5282, 5469, 5400, 5580, 5549, 5546, 5348, 5630, 5402, 5662, 5659, 5372, 5480, 5555, 5488, 5651, 5614, 5483, 5718, 5628, 5414, 5351, 5403, 5596, 5305, 5498, 5463, 5487, 5331, 5329, 5721, 5568, 5458, 5701, 5669 (7 hits)
36	9	1.0	333.0	Yes	5555.0MHz, -61.0dBm	Hop sequence: 5515, 5564, 5447, 5417, 5304, 5644, 5689, 5323, 5331, 5357, 5416, 5593, 5543, 5305, 5394, 5525, 5480, 5591, 5694, 5615, 5368, 5699, 5657, 5314, 5461, 5401, 5471, 5684, 5685, 5631, 5519, 5558, 5380, 5339, 5297, 5648, 5646, 5445, 5710, 5501, 5697, 5355, 5534, 5472, 5681, 5688, 5581, 5662, 5400, 5318, 5671, 5579, 5410, 5707, 5511, 5544, 5649, 5569, 5589, 5686, 5627, 5623, 5514, 5439, 5596, 5261, 5720, 5604, 5298, 5605, 5362, 5356, 5388, 5633, 5584, 5295, 5503, 5670, 5326, 5258, 5698, 5629, 5690, 5634, 5702, 5469, 5669, 5533, 5663, 5712, 5448, 5659, 5263, 5424, 5676, 5678, 5420, 5708, 5453, 5321 (6 hits)
37	9	1.0	333.0	Yes	5556.0MHz, -61.0dBm	Hop sequence: 5686, 5605, 5281, 5516, 5402, 5411, 5362, 5597, 5567, 5349, 5333, 5714, 5630, 5471, 5477, 5464, 5338, 5426,

Table 54 - FCC frequency hopping radar (Type 6) Results 40MHz NU Steady State HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5666, 5252, 5699, 5395, 5272, 5525, 5418, 5531, 5509, 5514, 5632, 5299, 5536, 5396, 5373, 5678, 5682, 5690, 5350, 5419, 5588, 5360, 5502, 5474, 5585, 5529, 5345, 5541, 5488, 5351, 5540, 5615, 5346, 5384, 5269, 5405, 5290, 5603, 5693, 5277, 5297, 5578, 5404, 5284, 5724, 5715, 5595, 5524, 5378, 5618, 5613, 5424, 5528, 5389, 5487, 5512, 5280, 5336, 5461, 5661, 5621, 5258, 5319, 5557, 5712, 5563, 5513, 5377, 5624, 5684, 5437, 5304, 5414, 5706, 5454, 5520, 5533, 5697, 5723, 5354, 5493, 5386 (10 hits)

Table 55 - Long Sequence Waveform Summary 40MHz NU Steady State HF		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5540.0MHz, -61.0dBm
Trial #2	Detected	5535.0MHz, -61.0dBm
Trial #3	Detected	5530.0MHz, -61.0dBm
Trial #4	Detected	5550.0MHz, -61.0dBm
Trial #5	Detected	5545.0MHz, -61.0dBm
Trial #6	Detected	5540.0MHz, -61.0dBm
Trial #7	Detected	5535.0MHz, -61.0dBm
Trial #8	Detected	5530.0MHz, -61.0dBm
Trial #9	Detected	5550.0MHz, -61.0dBm
Trial #10	Detected	5545.0MHz, -61.0dBm
Trial #11	Detected	5540.0MHz, -61.0dBm
Trial #12	Detected	5535.0MHz, -61.0dBm
Trial #13	Detected	5530.0MHz, -61.0dBm
Trial #14	Detected	5550.0MHz, -61.0dBm
Trial #15	Detected	5545.0MHz, -61.0dBm
Trial #16	Detected	5540.0MHz, -61.0dBm
Trial #17	Detected	5535.0MHz, -61.0dBm
Trial #18	Detected	5530.0MHz, -61.0dBm
Trial #19	Detected	5550.0MHz, -61.0dBm
Trial #20	Detected	5545.0MHz, -61.0dBm
Trial #21	Detected	5540.0MHz, -61.0dBm
Trial #22	Detected	5535.0MHz, -61.0dBm
Trial #23	Detected	5530.0MHz, -61.0dBm
Trial #24	NOT Detected	5550.0MHz, -61.0dBm
Trial #25	Detected	5545.0MHz, -61.0dBm
Trial #26	Detected	5540.0MHz, -61.0dBm
Trial #27	Detected	5535.0MHz, -61.0dBm
Trial #28	Detected	5530.0MHz, -61.0dBm
Trial #29	Detected	5550.0MHz, -61.0dBm
Trial #30	Detected	5545.0MHz, -61.0dBm

Table 56 - Long Sequence Waveform Trial#1 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	74.7	8	-	-	0.389130
2	1	84.2	6	-	-	1.382013
3	3	54.1	18	1726.0	1716.0	2.149928
4	3	94.0	6	1786.0	1065.0	2.933073
5	2	68.8	10	1113.0	-	3.401959
6	2	67.1	7	1836.0	-	3.870110
7	2	97.4	19	1970.0	-	4.980036
8	2	51.1	15	1231.0	-	5.517172
9	2	74.1	15	1347.0	-	6.078518
10	1	98.0	16	-	-	7.093543
11	1	83.1	10	-	-	7.842559
12	1	55.7	16	-	-	8.771298
13	2	58.3	17	1261.0	-	9.071045
14	2	85.7	10	1406.0	-	9.977279
15	3	81.2	17	1090.0	1676.0	11.229278
16	1	66.9	5	-	-	11.517436

Table 57 - Long Sequence Waveform Trial#2 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.1	9	1308.0	-	1.002150
2	2	82.2	13	1363.0	-	1.588883
3	3	86.9	17	1571.0	1427.0	2.774558
4	2	76.5	11	1083.0	-	3.452103
5	3	99.5	16	1969.0	1501.0	5.241000
6	2	76.4	14	1846.0	-	6.526243
7	2	88.8	6	1280.0	-	7.266580
8	2	95.7	11	1282.0	-	8.677717
9	3	99.6	9	1570.0	1244.0	8.910682
10	2	67.4	11	1925.0	-	10.369798
11	1	77.7	11	-	-	11.633470

Table 58 - Long Sequence Waveform Trial#3 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	71.5	5	1795.0	1152.0	0.744886
2	2	82.4	10	1787.0	-	1.703456
3	1	88.6	15	-	-	1.987067
4	2	65.4	18	1810.0	-	3.450651
5	1	65.2	6	-	-	3.914838
6	3	92.7	10	1860.0	1234.0	4.623770
7	1	99.3	15	-	-	5.867611
8	1	71.8	9	-	-	7.097705
9	2	98.3	7	1228.0	-	7.433745
10	1	61.7	13	-	-	8.740892
11	2	81.7	10	1666.0	-	9.855825
12	2	61.5	19	1452.0	-	10.805720
13	2	91.5	7	1830.0	-	11.323223

Table 59 - Long Sequence Waveform Trial#4 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	51.4	16	1882.0	1643.0	0.759042
2	3	87.9	6	1605.0	1825.0	2.221938
3	3	69.5	19	1472.0	1356.0	2.597180
4	2	78.3	11	1081.0	-	4.617565
5	2	89.7	7	1283.0	-	5.778796
6	1	95.1	19	-	-	6.006836
7	2	67.2	10	1261.0	-	7.990600
8	1	94.1	12	-	-	8.885896
9	2	54.9	14	1647.0	-	10.425594
10	2	62.0	5	1992.0	-	11.049585

Table 60 - Long Sequence Waveform Trial#5 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	50.3	19	1027.0	1018.0	0.394937
2	1	98.2	10	-	-	1.694012
3	3	93.3	20	1248.0	1031.0	2.620274
4	3	56.8	8	1834.0	1562.0	3.766164
5	2	97.8	19	1036.0	-	4.980963
6	2	87.5	13	1859.0	-	5.540760
7	2	51.3	13	1209.0	-	6.560896
8	2	58.5	19	1775.0	-	7.606580
9	3	99.8	17	1174.0	1294.0	8.080703
10	3	65.4	13	1337.0	1801.0	9.147249
11	3	66.8	14	1778.0	1044.0	10.854076
12	3	58.9	17	1164.0	1645.0	11.007668

Table 61 - Long Sequence Waveform Trial#6 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	99.5	8	1989.0	-	0.899774
2	2	75.0	14	1429.0	-	1.012335
3	2	66.0	8	1375.0	-	2.234816
4	2	54.8	8	1047.0	-	2.870226
5	1	64.7	9	-	-	4.113611
6	2	85.7	13	1248.0	-	4.841512
7	3	63.6	9	1040.0	1587.0	5.986755
8	1	97.7	16	-	-	7.364139
9	3	59.2	10	1800.0	1155.0	8.273407
10	2	66.0	18	1802.0	-	9.106923
11	1	77.0	13	-	-	9.787763
12	3	87.3	16	1755.0	1017.0	10.844054
13	2	55.8	17	1832.0	-	11.924243

Table 62 - Long Sequence Waveform Trial#7 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.6	7	1053.0	-	0.166884
2	3	81.6	16	1283.0	1506.0	1.578983
3	2	75.1	14	1899.0	-	1.836694
4	1	99.6	11	-	-	3.338528
5	2	60.5	13	1161.0	-	4.274629
6	2	82.7	11	1879.0	-	4.398600
7	2	70.5	15	1577.0	-	5.808285
8	2	86.3	10	1345.0	-	6.176496
9	2	70.6	19	1090.0	-	7.653285
10	3	81.9	9	1682.0	1912.0	7.908746
11	2	80.5	6	1528.0	-	9.048665
12	2	78.5	16	1082.0	-	10.097625
13	1	63.4	15	-	-	10.703096
14	2	88.0	19	1507.0	-	11.468608

Table 63 - Long Sequence Waveform Trial#8 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	88.6	7	1240.0	-	0.573085
2	1	88.5	8	-	-	1.580608
3	3	65.9	7	1831.0	1907.0	1.760315
4	1	69.4	19	-	-	3.427766
5	2	98.6	9	1015.0	-	4.204222
6	2	84.0	19	1021.0	-	4.473625
7	2	55.0	15	1711.0	-	5.327068
8	2	79.7	18	1112.0	-	6.663651
9	2	74.4	15	1219.0	-	7.262175
10	3	62.7	7	1209.0	1926.0	8.041755
11	1	55.6	6	-	-	9.286574
12	2	83.4	7	1028.0	-	9.657902
13	2	57.2	8	1908.0	-	10.596856
14	1	53.0	5	-	-	11.891818

Table 64 - Long Sequence Waveform Trial#9 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	92.8	11	1189.0	1662.0	0.932660
2	2	54.6	13	1084.0	-	1.493281
3	3	91.8	11	1094.0	1393.0	3.035163
4	3	58.9	17	1309.0	1210.0	4.226910
5	2	60.6	9	1508.0	-	5.171329
6	1	80.8	16	-	-	6.127928
7	2	68.2	13	1239.0	-	6.733057
8	3	91.6	10	1453.0	1502.0	7.956203
9	1	62.2	18	-	-	9.052988
10	2	79.7	18	1875.0	-	10.392591
11	1	65.0	7	-	-	11.257803

Table 65 - Long Sequence Waveform Trial#10 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	93.6	10	1402.0	-	0.128373
2	1	86.1	15	-	-	1.618572
3	3	84.6	12	1557.0	1828.0	2.209599
4	3	82.2	10	1499.0	1397.0	3.195238
5	1	87.4	8	-	-	4.120207
6	2	83.1	14	1788.0	-	4.336775
7	3	71.1	13	1376.0	1423.0	5.570061
8	2	50.8	19	1040.0	-	6.679891
9	2	54.3	11	1471.0	-	7.699692
10	3	76.5	8	1287.0	1544.0	8.027806
11	1	99.4	11	-	-	8.634491
12	2	62.2	19	1947.0	-	9.920183
13	1	88.6	12	-	-	10.398251
14	1	77.3	9	-	-	11.277943

Table 66 - Long Sequence Waveform Trial#11 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	72.5	11	1731.0	-	0.044118
2	1	70.4	9	-	-	1.126867
3	2	54.3	8	1944.0	-	3.030587
4	2	58.9	11	1612.0	-	3.857077
5	3	98.6	14	1512.0	1230.0	4.900908
6	1	85.4	19	-	-	6.544453
7	2	59.8	17	1110.0	-	6.799393
8	2	50.8	11	1658.0	-	8.120503
9	3	74.7	12	1228.0	1299.0	9.476646
10	2	96.0	10	1551.0	-	10.355291
11	2	82.8	12	1100.0	-	11.648583

Table 67 - Long Sequence Waveform Trial#12 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	58.9	13	1778.0	1634.0	0.296747
2	2	79.0	8	1106.0	-	1.497963
3	2	92.1	5	1270.0	-	1.612595
4	1	81.1	8	-	-	2.796183
5	3	62.4	15	1620.0	1816.0	3.153267
6	1	97.5	14	-	-	4.178982
7	2	74.0	6	1585.0	-	4.843491
8	2	81.9	12	1205.0	-	5.868103
9	1	81.4	11	-	-	6.591946
10	3	71.8	17	1285.0	1794.0	7.490452
11	2	60.0	10	1914.0	-	7.842745
12	3	57.3	6	1212.0	1988.0	8.263152
13	3	56.2	6	1239.0	1050.0	9.073475
14	2	53.6	19	1548.0	-	9.750848
15	2	87.6	13	1277.0	-	10.591573
16	3	65.2	19	1390.0	1646.0	11.597776

Table 68 - Long Sequence Waveform Trial#13 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	79.4	5	1498.0	-	0.314153
2	2	88.6	19	1102.0	-	1.185485
3	2	60.8	15	1910.0	-	1.480768
4	3	56.4	6	1541.0	1137.0	2.418600
5	2	71.4	11	1023.0	-	2.916869
6	2	55.4	8	1845.0	-	4.159452
7	3	60.8	18	1708.0	1965.0	4.694373
8	2	87.1	18	1529.0	-	5.259209
9	2	56.8	10	1409.0	-	5.946173
10	1	54.9	7	-	-	6.388057
11	3	71.7	11	1799.0	1374.0	7.275942
12	1	57.6	15	-	-	8.232690
13	3	67.5	8	1908.0	1563.0	8.710631
14	3	58.3	17	1269.0	1907.0	9.591490
15	2	59.6	8	1385.0	-	10.571110
16	3	76.1	9	1345.0	1403.0	11.078579
17	3	78.0	8	1942.0	1516.0	11.493524

Table 69 - Long Sequence Waveform Trial#14 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	79.5	15	-	-	0.113541
2	2	76.9	9	1088.0	-	0.976035
3	2	87.3	13	1503.0	-	1.881400
4	2	98.5	10	1919.0	-	3.525316
5	2	58.9	14	1572.0	-	4.435355
6	1	54.2	10	-	-	5.205271
7	1	67.9	13	-	-	6.444104
8	2	58.5	7	1776.0	-	7.034509
9	2	85.8	11	1505.0	-	7.863142
10	2	87.6	8	1942.0	-	8.872747
11	2	61.6	7	1223.0	-	9.239776
12	2	84.1	19	1915.0	-	10.391269
13	3	59.9	19	1250.0	1369.0	11.419846

Table 70 - Long Sequence Waveform Trial#15 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.7	7	1425.0	-	0.093786
2	2	79.4	20	1107.0	-	1.050942
3	1	83.0	15	-	-	2.095379
4	1	70.2	7	-	-	2.969385
5	2	77.4	9	1873.0	-	3.493491
6	2	80.1	8	1242.0	-	4.483651
7	2	94.4	17	1517.0	-	5.230424
8	3	58.7	8	1322.0	1918.0	5.341396
9	2	74.4	18	1603.0	-	6.511763
10	1	88.5	7	-	-	7.305323
11	2	90.8	16	1111.0	-	7.518649
12	2	86.1	18	1170.0	-	8.971416
13	2	65.5	5	1951.0	-	9.352338
14	3	93.7	15	1015.0	1039.0	9.809845
15	1	64.3	12	-	-	10.517461
16	1	93.7	9	-	-	11.844052

Table 71 - Long Sequence Waveform Trial#16 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	79.9	16	1452.0	-	0.524766
2	3	64.5	12	1851.0	1397.0	1.249309
3	1	89.3	6	-	-	2.202809
4	2	99.4	8	1487.0	-	2.261148
5	3	93.2	8	1258.0	1226.0	3.161576
6	2	55.8	12	1578.0	-	3.766991
7	1	60.6	12	-	-	5.114517
8	1	75.5	12	-	-	5.655445
9	1	66.1	12	-	-	6.011483
10	3	72.0	17	1203.0	1579.0	7.164128
11	1	68.5	15	-	-	7.750663
12	1	80.4	11	-	-	8.485369
13	3	59.3	5	1588.0	1466.0	9.464814
14	1	79.7	20	-	-	10.065708
15	3	87.9	7	1003.0	1836.0	11.145930
16	2	75.1	9	1716.0	-	11.851304

Table 72 - Long Sequence Waveform Trial#17 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	60.9	17	-	-	0.767026
2	3	89.4	15	1453.0	1760.0	1.728757
3	1	64.7	16	-	-	2.669386
4	1	75.6	11	-	-	3.254473
5	1	82.9	17	-	-	3.764010
6	1	93.4	17	-	-	4.653574
7	2	73.8	18	1053.0	-	6.380742
8	2	68.1	14	1747.0	-	7.358776
9	1	81.6	14	-	-	7.644945
10	2	90.1	16	1600.0	-	8.790751
11	1	88.1	9	-	-	10.116300
12	2	56.3	16	1802.0	-	10.732223
13	2	92.1	13	1278.0	-	11.760589

Table 73 - Long Sequence Waveform Trial#18 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	58.5	10	1307.0	-	0.920492
2	3	58.7	18	1609.0	1658.0	1.831123
3	1	84.3	7	-	-	2.738903
4	2	85.7	15	1362.0	-	3.640116
5	2	93.2	11	1983.0	-	4.594170
6	2	81.9	11	1894.0	-	5.349770
7	2	83.4	18	1973.0	-	6.125502
8	3	95.1	19	1420.0	1864.0	7.340190
9	3	99.4	9	1057.0	1060.0	8.048856
10	2	73.3	13	1942.0	-	9.677776
11	2	89.2	5	1410.0	-	10.749333
12	3	65.2	16	1910.0	1688.0	11.501127

Table 74 - Long Sequence Waveform Trial#19 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	92.6	11	-	-	0.860477
2	1	79.5	10	-	-	2.303708
3	2	88.8	14	1488.0	-	3.108421
4	1	77.6	18	-	-	4.108077
5	1	70.2	13	-	-	5.014906
6	1	59.0	14	-	-	6.577292
7	1	78.8	8	-	-	7.290663
8	3	85.9	11	1802.0	1452.0	9.526214
9	1	89.6	15	-	-	10.408643
10	1	60.5	19	-	-	10.987476

Table 75 - Long Sequence Waveform Trial#20 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	62.4	9	1284.0	-	0.104536
2	3	57.2	8	1925.0	1616.0	1.313711
3	1	56.0	12	-	-	1.988987
4	1	74.2	16	-	-	2.631337
5	2	76.5	13	1837.0	-	2.737431
6	2	63.6	15	1081.0	-	3.468148
7	1	62.9	5	-	-	4.401256
8	3	52.9	6	1218.0	1491.0	4.821231
9	1	52.4	16	-	-	5.348349
10	3	58.6	14	1964.0	1337.0	6.569143
11	3	62.0	17	1511.0	1476.0	7.151225
12	1	69.9	13	-	-	7.653674
13	3	93.9	13	1078.0	1122.0	8.385188
14	1	98.7	14	-	-	9.031939
15	1	77.6	15	-	-	9.734113
16	2	86.1	12	1961.0	-	10.232218
17	1	92.0	13	-	-	10.995313
18	3	75.5	17	1926.0	1869.0	11.796455

Table 76 - Long Sequence Waveform Trial#21 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	72.7	7	1040.0	-	0.148898
2	3	76.1	16	1625.0	1440.0	1.086585
3	2	59.4	19	1534.0	-	2.110159
4	2	69.6	14	1861.0	-	3.135529
5	2	60.5	13	1489.0	-	4.066612
6	2	54.0	14	1812.0	-	5.063355
7	1	65.3	16	-	-	5.825106
8	1	75.1	19	-	-	6.551287
9	1	54.0	5	-	-	7.765369
10	2	66.8	8	1518.0	-	9.082570
11	2	58.3	12	1768.0	-	9.808694
12	2	69.1	6	1631.0	-	10.644067
13	2	52.4	10	1254.0	-	11.154639

Table 77 - Long Sequence Waveform Trial#22 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	51.2	10	1932.0	1855.0	0.579010
2	1	54.9	15	-	-	1.768819
3	2	96.7	8	1478.0	-	2.090204
4	2	75.3	7	1466.0	-	3.048907
5	3	73.3	8	1715.0	1939.0	4.093702
6	2	76.8	10	1602.0	-	5.257650
7	2	84.6	12	1011.0	-	5.678231
8	1	83.8	5	-	-	7.367359
9	2	50.6	15	1181.0	-	7.629482
10	1	71.7	5	-	-	9.200656
11	1	88.3	11	-	-	9.726018
12	2	82.2	13	1675.0	-	10.699647
13	2	73.8	14	1598.0	-	11.233577

Table 78 - Long Sequence Waveform Trial#23 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	93.0	13	-	-	1.216902
2	3	60.4	10	1476.0	1521.0	2.136353
3	1	78.7	17	-	-	3.670023
4	2	77.4	18	1940.0	-	4.333132
5	2	85.7	16	1420.0	-	5.838356
6	2	84.2	5	1286.0	-	7.602762
7	2	50.6	16	1525.0	-	8.550579
8	2	51.3	8	1860.0	-	9.809018
9	2	95.5	5	1797.0	-	11.119923

Table 79 - Long Sequence Waveform Trial#24 (NOT Detected) 40MHz NU Steady State HF						
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	1029.0	-	0.857842
2	2	69.6	11	1794.0	-	2.822144
3	3	86.7	11	1454.0	1742.0	3.426708
4	3	76.7	5	1006.0	1540.0	5.947796
5	1	55.9	7	-	-	6.775835
6	1	88.9	17	-	-	8.668341
7	2	78.1	15	1180.0	-	9.010787
8	3	70.9	10	1923.0	1176.0	11.591351

Table 80 - Long Sequence Waveform Trial#25 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	61.9	11	1944.0	1234.0	1.315287
2	2	79.7	10	1320.0	-	1.923228
3	2	90.9	15	1919.0	-	3.410256
4	2	55.9	16	1731.0	-	4.095708
5	3	90.5	15	1625.0	1516.0	5.923484
6	3	74.5	11	1246.0	1787.0	7.468574
7	1	63.9	8	-	-	8.307931
8	2	60.8	10	1991.0	-	9.403440
9	2	57.1	11	1126.0	-	10.674771

Table 81 - Long Sequence Waveform Trial#26 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	58.9	19	1809.0	-	0.577172
2	1	97.1	6	-	-	1.096281
3	1	91.3	15	-	-	1.814750
4	3	90.0	7	1134.0	1789.0	2.416259
5	2	62.2	7	1312.0	-	2.956727
6	3	70.0	18	1558.0	1665.0	3.956883
7	3	51.6	12	1986.0	1325.0	4.427683
8	2	58.2	7	1456.0	-	5.094319
9	1	68.5	8	-	-	5.908884
10	1	67.6	16	-	-	6.649800
11	3	83.7	8	1614.0	1308.0	7.157822
12	1	66.7	7	-	-	7.731259
13	2	60.1	6	1436.0	-	8.176576
14	1	52.0	5	-	-	9.133440
15	3	67.6	7	1282.0	1564.0	9.942530
16	1	53.2	14	-	-	10.325081
17	3	61.1	9	1168.0	1530.0	11.052804
18	2	81.4	8	1558.0	-	11.961824

Table 82 - Long Sequence Waveform Trial#27 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	80.4	13	1993.0	1312.0	0.131134
2	2	93.4	15	1305.0	-	1.474481
3	2	51.2	13	1561.0	-	2.303526
4	2	67.9	19	1943.0	-	3.383792
5	2	84.0	16	1199.0	-	3.501259
6	2	61.2	17	1602.0	-	4.518223
7	1	70.9	16	-	-	5.544828
8	2	80.0	17	1225.0	-	6.723396
9	2	66.8	18	1147.0	-	7.167163
10	2	92.4	20	1462.0	-	8.079345
11	2	90.9	5	1071.0	-	8.892554
12	2	55.9	7	1963.0	-	9.988028
13	2	81.1	18	1566.0	-	10.568747
14	2	60.7	9	1881.0	-	11.555838

Table 83 - Long Sequence Waveform Trial#28 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	97.7	7	1731.0	-	0.315054
2	2	55.9	13	1523.0	-	1.295315
3	3	59.0	14	1440.0	1849.0	1.542556
4	2	92.6	15	1072.0	-	2.383407
5	1	80.3	12	-	-	2.909425
6	2	71.9	9	1544.0	-	3.660067
7	2	72.0	18	1798.0	-	4.818793
8	3	85.1	19	1234.0	1429.0	5.567273
9	3	54.8	14	1280.0	1220.0	5.712559
10	2	84.9	7	1115.0	-	6.906514
11	3	86.2	7	1139.0	1467.0	7.332421
12	2	57.2	10	1233.0	-	7.931872
13	2	70.2	6	1430.0	-	8.837984
14	3	95.7	8	1880.0	1400.0	9.304940
15	1	79.9	18	-	-	10.574619
16	3	79.5	13	1388.0	1055.0	11.090110
17	2	60.4	12	1437.0	-	11.872837

Table 84 - Long Sequence Waveform Trial#29 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	52.6	16	-	-	0.351054
2	2	97.4	7	1479.0	-	1.295766
3	2	85.0	10	1759.0	-	2.066585
4	2	64.5	15	1552.0	-	3.275099
5	2	62.2	11	1483.0	-	3.839483
6	2	89.0	18	1240.0	-	4.730068
7	1	73.8	15	-	-	5.745050
8	3	92.9	9	1318.0	1968.0	7.331415
9	3	89.0	12	1692.0	1438.0	7.916874
10	3	65.2	10	1254.0	1042.0	8.991107
11	2	87.3	5	1090.0	-	9.844467
12	2	50.1	19	1197.0	-	10.361607
13	2	50.2	15	1841.0	-	11.467539

Table 85 - Long Sequence Waveform Trial#30 (Detected) 40MHz NU Steady State HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	66.1	19	1781.0	1342.0	0.498223
2	2	60.2	5	1375.0	-	1.087634
3	2	92.0	9	1935.0	-	1.798274
4	3	64.3	19	1414.0	1999.0	3.176993
5	3	52.3	19	1295.0	1124.0	3.379742
6	2	94.4	16	1515.0	-	4.010511
7	2	67.4	13	1901.0	-	5.541698
8	2	96.9	14	1194.0	-	6.359827
9	2	97.6	8	1575.0	-	6.480475
10	3	74.4	9	1280.0	1316.0	7.663241
11	3	57.1	9	1791.0	1790.0	8.066759
12	2	55.1	18	1042.0	-	9.336005
13	2	51.3	20	1815.0	-	10.196714
14	2	76.1	16	1688.0	-	11.148256
15	2	75.6	8	1690.0	-	11.699039

Table 86 - FCC Short Pulse Radar (Type 1) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
2	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
3	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
5	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
6	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
7	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
9	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
10	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
11	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
12	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
13	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
14	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
15	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
16	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
17	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
19	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
22	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
23	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
24	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
26	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
28	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
29	18	1.0	1428.0	No	5303.0MHz, -61.0dBm	Single burst
30	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst

Table 87 - FCC Short Pulse Radar (Type 2) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	24	3.8	165.0	Yes	5293.0MHz, -61.0dBm	Single burst
2	24	4.0	221.0	Yes	5288.0MHz, -61.0dBm	Single burst
3	26	4.3	223.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	24	1.4	205.0	Yes	5303.0MHz, -61.0dBm	Single burst
5	26	4.6	183.0	Yes	5298.0MHz, -61.0dBm	Single burst
6	24	3.4	177.0	Yes	5293.0MHz, -61.0dBm	Single burst
7	29	3.8	164.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	24	1.1	229.0	Yes	5283.0MHz, -61.0dBm	Single burst
9	28	1.9	213.0	Yes	5303.0MHz, -61.0dBm	Single burst
10	25	4.1	214.0	Yes	5298.0MHz, -61.0dBm	Single burst
11	28	3.2	229.0	Yes	5293.0MHz, -61.0dBm	Single burst
12	28	1.8	176.0	Yes	5288.0MHz, -61.0dBm	Single burst
13	27	2.9	214.0	Yes	5283.0MHz, -61.0dBm	Single burst
14	27	3.0	187.0	Yes	5303.0MHz, -61.0dBm	Single burst
15	27	2.9	229.0	Yes	5298.0MHz, -61.0dBm	Single burst
16	23	1.5	162.0	Yes	5293.0MHz, -61.0dBm	Single burst
17	26	1.1	218.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	27	1.5	174.0	Yes	5283.0MHz, -61.0dBm	Single burst
19	29	4.6	160.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	28	3.8	154.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	25	1.7	215.0	Yes	5293.0MHz, -61.0dBm	Single burst
22	25	4.7	214.0	Yes	5288.0MHz, -61.0dBm	Single burst
23	24	4.8	187.0	Yes	5283.0MHz, -61.0dBm	Single burst
24	25	1.2	174.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	24	1.6	222.0	Yes	5298.0MHz, -61.0dBm	Single burst
26	25	3.7	229.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	27	2.9	154.0	Yes	5288.0MHz, -61.0dBm	Single burst
28	25	4.1	223.0	Yes	5283.0MHz, -61.0dBm	Single burst
29	28	4.1	183.0	Yes	5303.0MHz, -61.0dBm	Single burst
30	24	3.0	169.0	Yes	5298.0MHz, -61.0dBm	Single burst

Table 88 - FCC Short Pulse Radar (Type 3) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	7.3	361.0	Yes	5293.0MHz, -61.0dBm	Single burst
2	17	8.4	411.0	Yes	5288.0MHz, -61.0dBm	Single burst
3	16	9.3	201.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	17	10.0	299.0	Yes	5303.0MHz, -61.0dBm	Single burst
5	16	9.0	359.0	Yes	5298.0MHz, -61.0dBm	Single burst
6	18	9.2	272.0	Yes	5293.0MHz, -61.0dBm	Single burst
7	18	7.0	494.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	16	9.7	459.0	No	5283.0MHz, -61.0dBm	Single burst
9	17	8.7	471.0	Yes	5303.0MHz, -61.0dBm	Single burst
10	16	6.9	361.0	Yes	5298.0MHz, -61.0dBm	Single burst
11	16	6.6	306.0	Yes	5293.0MHz, -61.0dBm	Single burst
12	17	6.4	301.0	Yes	5288.0MHz, -61.0dBm	Single burst
13	16	7.5	418.0	Yes	5283.0MHz, -61.0dBm	Single burst
14	17	8.9	356.0	Yes	5303.0MHz, -61.0dBm	Single burst
15	16	6.5	237.0	Yes	5298.0MHz, -61.0dBm	Single burst
16	16	7.1	355.0	Yes	5293.0MHz, -61.0dBm	Single burst
17	16	7.3	258.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	18	6.0	470.0	Yes	5283.0MHz, -61.0dBm	Single burst
19	17	9.7	480.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	18	8.2	404.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	17	6.6	498.0	Yes	5293.0MHz, -61.0dBm	Single burst
22	17	9.2	391.0	Yes	5288.0MHz, -61.0dBm	Single burst
23	17	7.3	416.0	Yes	5283.0MHz, -61.0dBm	Single burst
24	17	6.5	458.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	17	6.6	487.0	Yes	5298.0MHz, -61.0dBm	Single burst
26	16	8.7	474.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	17	7.2	387.0	Yes	5288.0MHz, -61.0dBm	Single burst
28	17	6.3	338.0	Yes	5283.0MHz, -61.0dBm	Single burst
29	16	8.2	359.0	Yes	5303.0MHz, -61.0dBm	Single burst
30	16	7.3	423.0	Yes	5298.0MHz, -61.0dBm	Single burst

Table 89 - FCC Short Pulse Radar (Type 4) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	16	17.8	435.0	Yes	5293.0MHz, -61.0dBm	Single burst
2	15	17.6	284.0	Yes	5288.0MHz, -61.0dBm	Single burst
3	12	19.7	234.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	15	12.3	362.0	Yes	5303.0MHz, -61.0dBm	Single burst
5	15	13.4	209.0	Yes	5298.0MHz, -61.0dBm	Single burst
6	14	17.5	363.0	Yes	5293.0MHz, -61.0dBm	Single burst
7	14	17.5	273.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	14	16.4	479.0	Yes	5283.0MHz, -61.0dBm	Single burst
9	15	16.9	462.0	Yes	5303.0MHz, -61.0dBm	Single burst
10	14	15.1	453.0	Yes	5298.0MHz, -61.0dBm	Single burst
11	12	15.9	234.0	Yes	5293.0MHz, -61.0dBm	Single burst
12	14	12.6	373.0	Yes	5288.0MHz, -61.0dBm	Single burst
13	14	11.6	364.0	Yes	5283.0MHz, -61.0dBm	Single burst
14	14	14.7	258.0	Yes	5303.0MHz, -61.0dBm	Single burst
15	12	13.3	209.0	Yes	5298.0MHz, -61.0dBm	Single burst
16	13	14.2	260.0	No	5293.0MHz, -61.0dBm	Single burst
17	15	11.4	275.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	15	19.2	389.0	Yes	5283.0MHz, -61.0dBm	Single burst
19	15	16.9	473.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	13	16.2	487.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	15	11.4	408.0	Yes	5293.0MHz, -61.0dBm	Single burst
22	16	16.8	390.0	Yes	5288.0MHz, -61.0dBm	Single burst
23	16	13.2	263.0	Yes	5283.0MHz, -61.0dBm	Single burst
24	14	12.1	221.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	15	12.5	275.0	Yes	5298.0MHz, -61.0dBm	Single burst
26	13	15.9	244.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	15	18.0	293.0	Yes	5288.0MHz, -61.0dBm	Single burst
28	15	17.3	432.0	Yes	5283.0MHz, -61.0dBm	Single burst
29	15	13.8	218.0	Yes	5303.0MHz, -61.0dBm	Single burst
30	13	19.8	226.0	Yes	5298.0MHz, -61.0dBm	Single burst

Table 90 - FCC frequency hopping radar (Type 6) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5310.0MHz, -61.0dBm	Hop sequence: 5540, 5384, 5448, 5655, 5599, 5526, 5576, 5343, 5446, 5328, 5631, 5334, 5269, 5690, 5600, 5453, 5642, 5325, 5443, 5702, 5667, 5373, 5410, 5495, 5250, 5546, 5628, 5280, 5570, 5473, 5725, 5678, 5683, 5695, 5426, 5300, 5274, 5409, 5297, 5298, 5506, 5396, 5518, 5636, 5510, 5516, 5722, 5353, 5507, 5316, 5670, 5635, 5657, 5387, 5684, 5617, 5625, 5503, 5568, 5578, 5627, 5459, 5317, 5569, 5487, 5318, 5404, 5701, 5622, 5661, 5452, 5337, 5329, 5311, 5259, 5432, 5462, 5494, 5723, 5584, 5398, 5511, 5368, 5417, 5531, 5349, 5388, 5389, 5425, 5669, 5575, 5619, 5528, 5550, 5549, 5450, 5534, 5379, 5395, 5530 (5 hits)
2	9	1.0	333.0	Yes	5311.0MHz, -61.0dBm	Hop sequence: 5503, 5549, 5255, 5601, 5341, 5630, 5368, 5522, 5652, 5325, 5660, 5668, 5725, 5613, 5704, 5606, 5409, 5657, 5266, 5380, 5442, 5696, 5446, 5669, 5602, 5671, 5646, 5313, 5692, 5349, 5639, 5533, 5621, 5381, 5517, 5459, 5336, 5323, 5450, 5712, 5444, 5498, 5530, 5661, 5579, 5304, 5600, 5407, 5532, 5262, 5298, 5627, 5346, 5274, 5400, 5394, 5320, 5369, 5502, 5716, 5375, 5487, 5666, 5586, 5593, 5475, 5535, 5441, 5426, 5495, 5366, 5497, 5564, 5548, 5374, 5424, 5676, 5329, 5251, 5724, 5501, 5719, 5573, 5505, 5580, 5585, 5379, 5258, 5521, 5373, 5697, 5312, 5454, 5590, 5252, 5465, 5659, 5354, 5508, 5385 (2 hits)
3	9	1.0	333.0	Yes	5275.0MHz, -61.0dBm	Hop sequence: 5364, 5593, 5718, 5635, 5439, 5346, 5412, 5579, 5550, 5639, 5266, 5686, 5333, 5347, 5617, 5284, 5319, 5652, 5530, 5331, 5250, 5646, 5517, 5500, 5401, 5562, 5409, 5463, 5303, 5475, 5287, 5462, 5537, 5308, 5654, 5390, 5488, 5622, 5253, 5408, 5655, 5279, 5629, 5651, 5525, 5574, 5613, 5402, 5495, 5685, 5256, 5513, 5255, 5548, 5714, 5288, 5257, 5341, 5547, 5400, 5676, 5411, 5638, 5369, 5294, 5258, 5561, 5373, 5381, 5657, 5644, 5696, 5416, 5597, 5649, 5653, 5640, 5681, 5570, 5538, 5612, 5318, 5387, 5519, 5351, 5582, 5659, 5367, 5489, 5272, 5540, 5356, 5631, 5473, 5585, 5447, 5701, 5554, 5420, 5671 (7 hits)
4	9	1.0	333.0	Yes	5276.0MHz, -61.0dBm	Hop sequence: 5500, 5530, 5701, 5279, 5652, 5594, 5492, 5323, 5516, 5628, 5667, 5400, 5532, 5556, 5593, 5432, 5465, 5666, 5653, 5252, 5598, 5624, 5353, 5642, 5380, 5413, 5724, 5352, 5412, 5442, 5287, 5507, 5454, 5655, 5675, 5685, 5295, 5324, 5437, 5338, 5541, 5371, 5513, 5697, 5693, 5707, 5599, 5302, 5525, 5315, 5633, 5301, 5309, 5489, 5468, 5560, 5600, 5708, 5322, 5263, 5481, 5267, 5460, 5656, 5601, 5574, 5664, 5266, 5561, 5440, 5373, 5523, 5435, 5611, 5703, 5382, 5356, 5646, 5374, 5625, 5291, 5305, 5258, 5674, 5347, 5558, 5478, 5699, 5284, 5552, 5647, 5713, 5469, 5603, 5390, 5251, 5493, 5360, 5370, 5580 (9 hits)
5	9	1.0	333.0	Yes	5277.0MHz, -61.0dBm	Hop sequence: 5386, 5308, 5278, 5677, 5510, 5676, 5577, 5408, 5660, 5460, 5670, 5437, 5347, 5689, 5425, 5461, 5721, 5388, 5393, 5627, 5335, 5455, 5396, 5284, 5309, 5666, 5623, 5516, 5369, 5700, 5484, 5418, 5343, 5294, 5311, 5603, 5282, 5279, 5613, 5492, 5457, 5672, 5643, 5342, 5609, 5435,

Table 90 - FCC frequency hopping radar (Type 6) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5534, 5448, 5617, 5588, 5650, 5345, 5509, 5697, 5366, 5654, 5723, 5474, 5331, 5358, 5404, 5682, 5394, 5718, 5314, 5450, 5463, 5604, 5690, 5561, 5587, 5289, 5704, 5359, 5692, 5514, 5724, 5696, 5414, 5493, 5415, 5556, 5536, 5574, 5685, 5698, 5487, 5715, 5620, 5675, 5324, 5470, 5688, 5597, 5562, 5611, 5710, 5406, 5572, 5667 (9 hits)
6	9	1.0	333.0	Yes	5278.0MHz, -61.0dBm	Hop sequence: 5437, 5432, 5601, 5661, 5712, 5682, 5334, 5369, 5399, 5406, 5687, 5308, 5439, 5275, 5511, 5290, 5600, 5268, 5479, 5718, 5700, 5385, 5529, 5616, 5329, 5410, 5272, 5444, 5390, 5312, 5689, 5441, 5305, 5533, 5342, 5404, 5414, 5578, 5330, 5714, 5515, 5307, 5363, 5433, 5289, 5715, 5497, 5538, 5341, 5585, 5557, 5508, 5559, 5356, 5377, 5434, 5719, 5429, 5702, 5398, 5405, 5544, 5436, 5273, 5395, 5254, 5360, 5536, 5500, 5593, 5491, 5378, 5380, 5541, 5318, 5362, 5698, 5679, 5294, 5603, 5658, 5587, 5490, 5467, 5545, 5476, 5640, 5664, 5267, 5281, 5615, 5286, 5327, 5531, 5488, 5637, 5677, 5552, 5581, 5498 (9 hits)
7	9	1.0	333.0	Yes	5279.0MHz, -61.0dBm	Hop sequence: 5250, 5630, 5617, 5378, 5293, 5612, 5363, 5459, 5645, 5341, 5421, 5463, 5602, 5537, 5525, 5700, 5591, 5391, 5330, 5600, 5524, 5533, 5719, 5565, 5724, 5704, 5444, 5314, 5269, 5335, 5599, 5483, 5572, 5545, 5654, 5346, 5618, 5407, 5367, 5523, 5656, 5401, 5503, 5340, 5265, 5624, 5721, 5606, 5542, 5457, 5447, 5450, 5680, 5705, 5603, 5297, 5415, 5532, 5570, 5439, 5326, 5512, 5441, 5614, 5544, 5694, 5420, 5354, 5658, 5562, 5674, 5259, 5280, 5394, 5601, 5596, 5373, 5657, 5316, 5588, 5675, 5605, 5608, 5424, 5406, 5665, 5690, 5342, 5329, 5505, 5331, 5708, 5437, 5578, 5387, 5404, 5355, 5291, 5569, 5652 (4 hits)
8	9	1.0	333.0	Yes	5280.0MHz, -61.0dBm	Hop sequence: 5273, 5504, 5435, 5296, 5582, 5656, 5543, 5676, 5703, 5500, 5275, 5724, 5560, 5419, 5388, 5550, 5715, 5574, 5344, 5483, 5631, 5478, 5363, 5719, 5293, 5682, 5617, 5452, 5485, 5606, 5383, 5431, 5316, 5343, 5551, 5590, 5250, 5506, 5354, 5722, 5320, 5528, 5350, 5531, 5415, 5548, 5616, 5613, 5380, 5580, 5410, 5362, 5339, 5522, 5532, 5576, 5565, 5353, 5495, 5667, 5497, 5657, 5503, 5416, 5534, 5618, 5399, 5491, 5610, 5368, 5301, 5313, 5317, 5502, 5568, 5475, 5646, 5572, 5697, 5688, 5643, 5359, 5341, 5589, 5300, 5567, 5256, 5405, 5655, 5428, 5401, 5402, 5540, 5595, 5648, 5651, 5653, 5597, 5287, 5650 (6 hits)
9	9	1.0	333.0	Yes	5281.0MHz, -61.0dBm	Hop sequence: 5316, 5542, 5299, 5616, 5370, 5416, 5330, 5314, 5391, 5524, 5317, 5365, 5676, 5694, 5270, 5660, 5463, 5498, 5690, 5405, 5614, 5633, 5362, 5693, 5449, 5596, 5464, 5430, 5686, 5649, 5439, 5462, 5584, 5713, 5272, 5448, 5384, 5544, 5411, 5529, 5624, 5696, 5269, 5302, 5457, 5531, 5322, 5669, 5290, 5568, 5670, 5490, 5491, 5684, 5358, 5505, 5565, 5466, 5364, 5280, 5689, 5585, 5551, 5480, 5324, 5455, 5378, 5581, 5347, 5721, 5393, 5268, 5311, 5323, 5338, 5641, 5594, 5657, 5339, 5271, 5653, 5484, 5475, 5424, 5447, 5328, 5509, 5613, 5706, 5313, 5617, 5427, 5620, 5519, 5397, 5366, 5382, 5566, 5495, 5723 (5 hits)

Table 90 - FCC frequency hopping radar (Type 6) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
10	9	1.0	333.0	Yes	5282.0MHz, -61.0dBm	Hop sequence: 5309, 5617, 5546, 5646, 5638, 5690, 5469, 5257, 5490, 5457, 5541, 5557, 5553, 5358, 5278, 5567, 5437, 5328, 5487, 5610, 5572, 5649, 5377, 5288, 5691, 5593, 5369, 5459, 5307, 5343, 5274, 5325, 5494, 5268, 5433, 5575, 5682, 5660, 5611, 5306, 5588, 5345, 5635, 5284, 5450, 5293, 5715, 5445, 5613, 5332, 5515, 5366, 5528, 5558, 5478, 5689, 5482, 5527, 5347, 5518, 5331, 5564, 5663, 5384, 5589, 5566, 5705, 5314, 5630, 5510, 5363, 5634, 5351, 5399, 5724, 5406, 5403, 5723, 5597, 5502, 5565, 5413, 5702, 5540, 5661, 5387, 5679, 5574, 5603, 5426, 5647, 5396, 5386, 5422, 5609, 5707, 5687, 5449, 5273, 5551 (7 hits)
11	9	1.0	333.0	Yes	5283.0MHz, -61.0dBm	Hop sequence: 5402, 5568, 5682, 5672, 5604, 5457, 5481, 5478, 5310, 5473, 5300, 5296, 5456, 5335, 5717, 5381, 5562, 5483, 5349, 5268, 5493, 5675, 5389, 5280, 5707, 5374, 5430, 5645, 5462, 5346, 5425, 5656, 5556, 5491, 5515, 5490, 5400, 5421, 5311, 5259, 5356, 5253, 5438, 5603, 5690, 5480, 5492, 5503, 5538, 5539, 5361, 5312, 5251, 5393, 5601, 5340, 5668, 5696, 5581, 5647, 5358, 5573, 5486, 5422, 5315, 5285, 5338, 5703, 5375, 5520, 5441, 5702, 5409, 5424, 5401, 5303, 5716, 5266, 5615, 5523, 5357, 5537, 5606, 5354, 5412, 5267, 5579, 5306, 5641, 5341, 5694, 5380, 5308, 5273, 5507, 5510, 5387, 5544, 5254, 5566 (9 hits)
12	9	1.0	333.0	Yes	5284.0MHz, -61.0dBm	Hop sequence: 5681, 5394, 5553, 5289, 5321, 5288, 5484, 5471, 5270, 5314, 5396, 5705, 5641, 5260, 5392, 5463, 5277, 5338, 5301, 5634, 5589, 5346, 5520, 5372, 5391, 5508, 5322, 5407, 5623, 5294, 5613, 5645, 5348, 5605, 5297, 5693, 5357, 5564, 5568, 5593, 5659, 5337, 5714, 5521, 5285, 5599, 5284, 5550, 5538, 5632, 5590, 5552, 5395, 5421, 5354, 5276, 5682, 5600, 5601, 5537, 5509, 5386, 5648, 5360, 5423, 5440, 5311, 5467, 5577, 5496, 5335, 5384, 5370, 5460, 5259, 5317, 5499, 5683, 5516, 5539, 5548, 5339, 5583, 5472, 5426, 5474, 5374, 5401, 5429, 5343, 5676, 5665, 5527, 5638, 5364, 5457, 5720, 5443, 5611, 5523 (10 hits)
13	9	1.0	333.0	Yes	5285.0MHz, -61.0dBm	Hop sequence: 5401, 5333, 5373, 5292, 5364, 5294, 5465, 5540, 5391, 5723, 5502, 5344, 5547, 5316, 5324, 5423, 5616, 5633, 5482, 5606, 5322, 5362, 5575, 5264, 5658, 5325, 5580, 5682, 5441, 5652, 5263, 5494, 5286, 5450, 5308, 5714, 5703, 5495, 5359, 5573, 5273, 5603, 5317, 5595, 5485, 5457, 5378, 5517, 5267, 5600, 5270, 5659, 5556, 5586, 5550, 5284, 5399, 5370, 5276, 5416, 5271, 5618, 5394, 5468, 5571, 5534, 5590, 5358, 5417, 5386, 5529, 5587, 5686, 5470, 5681, 5481, 5669, 5435, 5402, 5693, 5313, 5692, 5525, 5372, 5508, 5551, 5685, 5592, 5644, 5660, 5293, 5604, 5698, 5390, 5598, 5695, 5715, 5684, 5662, 5337 (7 hits)
14	9	1.0	333.0	Yes	5286.0MHz, -61.0dBm	Hop sequence: 5668, 5329, 5312, 5567, 5258, 5483, 5631, 5431, 5457, 5253, 5398, 5411, 5373, 5705, 5518, 5367, 5575, 5432, 5316, 5554, 5356, 5277, 5495, 5336, 5363, 5281, 5501, 5531, 5295, 5461, 5278, 5608, 5439, 5584, 5635, 5628, 5646, 5352, 5377, 5662, 5441, 5463, 5303, 5418, 5626, 5359, 5676, 5725, 5280, 5605, 5289, 5473, 5378,

Table 90 - FCC frequency hopping radar (Type 6) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5482, 5599, 5539, 5580, 5349, 5707, 5677, 5370, 5671, 5445, 5565, 5657, 5687, 5345, 5254, 5304, 5380, 5437, 5328, 5530, 5302, 5693, 5474, 5544, 5706, 5669, 5396, 5468, 5600, 5542, 5299, 5430, 5678, 5491, 5553, 5570, 5342, 5484, 5617, 5310, 5651, 5420, 5704, 5659, 5451, 5364, 5624 (11 hits)
15	9	1.0	333.0	Yes	5287.0MHz, -61.0dBm	Hop sequence: 5448, 5479, 5290, 5251, 5426, 5521, 5539, 5592, 5663, 5373, 5408, 5678, 5391, 5534, 5679, 5583, 5300, 5708, 5464, 5316, 5522, 5630, 5528, 5365, 5580, 5283, 5502, 5368, 5495, 5422, 5261, 5438, 5567, 5512, 5319, 5338, 5258, 5452, 5587, 5507, 5659, 5285, 5387, 5718, 5672, 5431, 5571, 5487, 5617, 5266, 5277, 5629, 5585, 5685, 5309, 5625, 5666, 5416, 5279, 5428, 5407, 5482, 5484, 5620, 5323, 5506, 5295, 5291, 5284, 5555, 5432, 5711, 5641, 5612, 5335, 5275, 5273, 5564, 5488, 5635, 5556, 5530, 5550, 5636, 5519, 5262, 5500, 5692, 5650, 5256, 5697, 5345, 5325, 5469, 5531, 5327, 5388, 5320, 5627, 5287 (12 hits)
16	9	1.0	333.0	Yes	5288.0MHz, -61.0dBm	Hop sequence: 5580, 5505, 5546, 5628, 5686, 5251, 5280, 5684, 5324, 5555, 5365, 5705, 5292, 5656, 5515, 5469, 5497, 5285, 5462, 5450, 5512, 5364, 5606, 5300, 5459, 5618, 5599, 5382, 5694, 5381, 5659, 5308, 5657, 5302, 5691, 5566, 5356, 5624, 5509, 5363, 5548, 5610, 5404, 5493, 5681, 5653, 5689, 5620, 5282, 5678, 5424, 5679, 5554, 5608, 5475, 5507, 5645, 5722, 5716, 5602, 5586, 5422, 5638, 5414, 5387, 5461, 5588, 5538, 5525, 5298, 5408, 5558, 5415, 5652, 5668, 5346, 5385, 5584, 5360, 5647, 5262, 5359, 5289, 5693, 5553, 5423, 5676, 5614, 5603, 5368, 5410, 5665, 5447, 5270, 5710, 5332, 5305, 5536, 5721, 5351 (10 hits)
17	9	1.0	333.0	Yes	5289.0MHz, -61.0dBm	Hop sequence: 5667, 5671, 5476, 5680, 5261, 5639, 5385, 5457, 5665, 5273, 5479, 5494, 5515, 5571, 5265, 5582, 5687, 5282, 5386, 5595, 5553, 5323, 5329, 5719, 5701, 5411, 5575, 5707, 5428, 5369, 5269, 5355, 5506, 5399, 5268, 5298, 5597, 5698, 5342, 5431, 5312, 5452, 5288, 5615, 5716, 5426, 5556, 5462, 5455, 5514, 5548, 5520, 5446, 5703, 5526, 5402, 5478, 5625, 5696, 5350, 5310, 5502, 5640, 5712, 5624, 5387, 5376, 5413, 5650, 5317, 5694, 5290, 5620, 5532, 5311, 5589, 5695, 5395, 5576, 5307, 5400, 5659, 5436, 5278, 5690, 5325, 5633, 5434, 5573, 5284, 5490, 5656, 5596, 5558, 5691, 5306, 5285, 5291, 5658, 5584 (12 hits)
18	9	1.0	333.0	Yes	5290.0MHz, -61.0dBm	Hop sequence: 5446, 5444, 5566, 5677, 5510, 5551, 5382, 5670, 5329, 5523, 5300, 5583, 5630, 5374, 5569, 5627, 5650, 5347, 5612, 5418, 5283, 5667, 5690, 5663, 5689, 5463, 5592, 5619, 5615, 5422, 5527, 5620, 5332, 5348, 5578, 5383, 5611, 5457, 5414, 5297, 5339, 5353, 5652, 5292, 5288, 5426, 5560, 5695, 5266, 5409, 5308, 5635, 5274, 5436, 5434, 5315, 5693, 5646, 5676, 5260, 5464, 5562, 5480, 5514, 5255, 5604, 5698, 5692, 5307, 5398, 5704, 5378, 5686, 5392, 5271, 5408, 5549, 5503, 5258, 5487, 5501, 5552, 5452, 5325, 5614, 5456, 5324, 5657, 5671, 5506, 5623, 5277, 5430, 5320, 5270, 5278, 5403, 5352, 5580, 5360 (9 hits)
19	9	1.0	333.0	Yes	5291.0MHz,	Hop sequence: 5282, 5725, 5371, 5630,

Table 90 - FCC frequency hopping radar (Type 6) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-61.0dBm	5450, 5683, 5497, 5707, 5269, 5612, 5522, 5436, 5301, 5344, 5279, 5335, 5324, 5662, 5387, 5689, 5485, 5422, 5444, 5571, 5521, 5505, 5342, 5684, 5487, 5255, 5409, 5461, 5601, 5447, 5532, 5676, 5649, 5294, 5307, 5459, 5343, 5654, 5278, 5636, 5331, 5674, 5687, 5552, 5310, 5555, 5380, 5593, 5540, 5414, 5704, 5510, 5498, 5299, 5698, 5544, 5598, 5637, 5650, 5346, 5526, 5283, 5337, 5352, 5326, 5615, 5478, 5546, 5289, 5262, 5339, 5400, 5639, 5525, 5499, 5398, 5616, 5534, 5504, 5332, 5286, 5406, 5364, 5724, 5397, 5721, 5681, 5638, 5358, 5561, 5464, 5679, 5655, 5538, 5696, 5590 (11 hits)
20	9	1.0	333.0	Yes	5292.0MHz, -61.0dBm	Hop sequence: 5270, 5660, 5593, 5483, 5509, 5576, 5548, 5297, 5371, 5606, 5617, 5327, 5618, 5285, 5524, 5723, 5444, 5326, 5620, 5456, 5436, 5298, 5394, 5674, 5339, 5684, 5545, 5539, 5686, 5536, 5360, 5583, 5549, 5552, 5582, 5601, 5374, 5525, 5258, 5466, 5335, 5425, 5571, 5659, 5333, 5464, 5677, 5408, 5599, 5642, 5431, 5520, 5473, 5364, 5598, 5584, 5655, 5338, 5354, 5397, 5494, 5551, 5561, 5435, 5623, 5641, 5447, 5467, 5499, 5349, 5579, 5484, 5707, 5507, 5652, 5622, 5469, 5413, 5463, 5313, 5465, 5396, 5665, 5633, 5381, 5531, 5427, 5377, 5286, 5373, 5284, 5517, 5355, 5680, 5717, 5480, 5455, 5399, 5430, 5267 (5 hits)
21	9	1.0	333.0	Yes	5293.0MHz, -61.0dBm	Hop sequence: 5254, 5565, 5695, 5308, 5517, 5412, 5330, 5573, 5365, 5544, 5325, 5477, 5423, 5436, 5707, 5383, 5696, 5303, 5661, 5493, 5343, 5469, 5581, 5713, 5561, 5370, 5287, 5296, 5388, 5326, 5594, 5371, 5425, 5470, 5576, 5497, 5320, 5550, 5442, 5336, 5507, 5635, 5253, 5609, 5481, 5545, 5317, 5509, 5443, 5602, 5445, 5382, 5692, 5269, 5386, 5459, 5531, 5702, 5332, 5644, 5488, 5596, 5302, 5298, 5293, 5520, 5603, 5606, 5490, 5689, 5476, 5421, 5271, 5447, 5616, 5532, 5600, 5480, 5608, 5648, 5411, 5333, 5712, 5584, 5369, 5450, 5487, 5592, 5610, 5453, 5278, 5395, 5374, 5286, 5601, 5363, 5516, 5551, 5311, 5400 (10 hits)
22	9	1.0	333.0	Yes	5294.0MHz, -61.0dBm	Hop sequence: 5395, 5323, 5656, 5445, 5599, 5294, 5373, 5441, 5386, 5264, 5572, 5557, 5333, 5552, 5613, 5319, 5314, 5253, 5438, 5492, 5476, 5309, 5454, 5648, 5465, 5419, 5490, 5715, 5511, 5499, 5282, 5658, 5530, 5384, 5556, 5385, 5361, 5652, 5401, 5679, 5558, 5283, 5568, 5458, 5623, 5425, 5442, 5423, 5579, 5504, 5276, 5325, 5655, 5661, 5391, 5624, 5315, 5576, 5654, 5430, 5704, 5486, 5705, 5479, 5541, 5301, 5480, 5260, 5470, 5605, 5404, 5598, 5693, 5341, 5360, 5483, 5421, 5434, 5446, 5321, 5457, 5357, 5303, 5485, 5291, 5375, 5508, 5610, 5533, 5582, 5372, 5518, 5564, 5725, 5560, 5592, 5275, 5688, 5536, 5690 (9 hits)
23	9	1.0	333.0	Yes	5295.0MHz, -61.0dBm	Hop sequence: 5393, 5293, 5272, 5606, 5501, 5325, 5509, 5566, 5323, 5583, 5612, 5638, 5409, 5631, 5351, 5399, 5403, 5637, 5335, 5260, 5514, 5718, 5715, 5538, 5541, 5439, 5279, 5682, 5321, 5412, 5416, 5456, 5378, 5413, 5546, 5417, 5678, 5587, 5589, 5252, 5261, 5632, 5297, 5294, 5720, 5521, 5310, 5262, 5688, 5391, 5681, 5709, 5534, 5580, 5571, 5542, 5408, 5394, 5427, 5467,

Table 90 - FCC frequency hopping radar (Type 6) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5684, 5401, 5362, 5584, 5701, 5353, 5282, 5562, 5629, 5275, 5543, 5468, 5575, 5296, 5540, 5371, 5564, 5460, 5458, 5278, 5380, 5379, 5596, 5383, 5662, 5640, 5545, 5329, 5585, 5266, 5582, 5717, 5719, 5438, 5643, 5442, 5578, 5628, 5694, 5346 (9 hits)
24	9	1.0	333.0	Yes	5296.0MHz, -61.0dBm	Hop sequence: 5495, 5474, 5413, 5718, 5639, 5328, 5401, 5263, 5726, 5281, 5469, 5417, 5549, 5521, 5662, 5685, 5702, 5644, 5566, 5490, 5405, 5299, 5397, 5596, 5545, 5312, 5302, 5307, 5321, 5280, 5253, 5447, 5260, 5597, 5343, 5570, 5429, 5472, 5380, 5493, 5497, 5548, 5366, 5257, 5598, 5629, 5453, 5466, 5534, 5682, 5372, 5398, 5721, 5424, 5305, 5650, 5445, 5289, 5463, 5352, 5691, 5705, 5265, 5408, 5632, 5266, 5686, 5371, 5623, 5386, 5478, 5388, 5310, 5444, 5337, 5330, 5503, 5407, 5364, 5500, 5714, 5673, 5658, 5464, 5618, 5543, 5368, 5347, 5712, 5415, 5428, 5357, 5704, 5638, 5278, 5574, 5296, 5418, 5377, 5475 (10 hits)
25	9	1.0	333.0	Yes	5297.0MHz, -61.0dBm	Hop sequence: 5548, 5284, 5580, 5436, 5322, 5439, 5564, 5670, 5479, 5709, 5682, 5503, 5393, 5441, 5473, 5600, 5661, 5377, 5572, 5413, 5391, 5629, 5646, 5397, 5521, 5619, 5612, 5645, 5692, 5677, 5366, 5665, 5418, 5299, 5618, 5638, 5507, 5622, 5547, 5643, 5371, 5447, 5595, 5378, 5530, 5585, 5713, 5543, 5431, 5365, 5456, 5488, 5681, 5699, 5372, 5723, 5271, 5482, 5446, 5497, 5567, 5395, 5686, 5573, 5343, 5461, 5263, 5313, 5508, 5506, 5596, 5611, 5307, 5604, 5340, 5519, 5356, 5680, 5494, 5487, 5276, 5346, 5610, 5498, 5469, 5407, 5697, 5702, 5339, 5308, 5550, 5279, 5559, 5484, 5510, 5562, 5260, 5344, 5411, 5592 (6 hits)
26	9	1.0	333.0	Yes	5298.0MHz, -61.0dBm	Hop sequence: 5723, 5298, 5722, 5499, 5639, 5288, 5552, 5679, 5508, 5254, 5688, 5487, 5412, 5692, 5620, 5445, 5393, 5263, 5454, 5362, 5358, 5650, 5668, 5324, 5415, 5293, 5399, 5444, 5509, 5512, 5450, 5616, 5568, 5673, 5553, 5379, 5428, 5716, 5519, 5682, 5427, 5300, 5593, 5286, 5423, 5667, 5328, 5613, 5299, 5604, 5364, 5652, 5624, 5308, 5581, 5537, 5505, 5264, 5704, 5310, 5663, 5280, 5717, 5250, 5360, 5612, 5383, 5448, 5636, 5554, 5330, 5449, 5547, 5507, 5579, 5557, 5707, 5416, 5357, 5696, 5534, 5700, 5550, 5588, 5302, 5582, 5366, 5388, 5344, 5317, 5623, 5417, 5607, 5439, 5262, 5563, 5380, 5548, 5632, 5406 (10 hits)
27	9	1.0	333.0	Yes	5299.0MHz, -61.0dBm	Hop sequence: 5330, 5286, 5470, 5409, 5497, 5625, 5412, 5254, 5635, 5618, 5542, 5472, 5433, 5274, 5554, 5680, 5607, 5442, 5500, 5364, 5620, 5683, 5354, 5712, 5443, 5438, 5445, 5311, 5687, 5514, 5492, 5444, 5527, 5631, 5422, 5384, 5340, 5676, 5574, 5598, 5579, 5306, 5504, 5351, 5455, 5379, 5346, 5413, 5715, 5705, 5415, 5423, 5319, 5366, 5402, 5716, 5253, 5679, 5691, 5615, 5292, 5557, 5678, 5435, 5669, 5277, 5478, 5477, 5641, 5451, 5662, 5564, 5276, 5706, 5471, 5589, 5719, 5490, 5597, 5271, 5600, 5526, 5466, 5288, 5675, 5708, 5341, 5501, 5464, 5699, 5373, 5686, 5296, 5328, 5670, 5314, 5512, 5333, 5640, 5403 (8 hits)
28	9	1.0	333.0	Yes	5300.0MHz, -61.0dBm	Hop sequence: 5275, 5492, 5719, 5561, 5525, 5478, 5479, 5610, 5698, 5714, 5720,

Table 90 - FCC frequency hopping radar (Type 6) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5531, 5598, 5355, 5594, 5587, 5398, 5490, 5620, 5569, 5287, 5461, 5440, 5503, 5583, 5483, 5296, 5460, 5655, 5418, 5474, 5468, 5437, 5386, 5558, 5260, 5683, 5500, 5606, 5532, 5703, 5424, 5443, 5687, 5722, 5647, 5268, 5692, 5271, 5259, 5343, 5340, 5412, 5353, 5434, 5527, 5400, 5657, 5420, 5328, 5595, 5601, 5488, 5329, 5613, 5364, 5656, 5285, 5547, 5325, 5404, 5366, 5282, 5504, 5510, 5291, 5476, 5254, 5469, 5439, 5529, 5602, 5486, 5462, 5303, 5586, 5302, 5693, 5405, 5341, 5277, 5264, 5571, 5430, 5385, 5444, 5315, 5417, 5438, 5513 (9 hits)
29	9	1.0	333.0	Yes	5301.0MHz, -61.0dBm	Hop sequence: 5359, 5696, 5298, 5473, 5674, 5684, 5676, 5489, 5496, 5704, 5512, 5636, 5571, 5422, 5368, 5344, 5415, 5421, 5449, 5619, 5485, 5670, 5291, 5643, 5542, 5462, 5711, 5352, 5372, 5407, 5335, 5591, 5337, 5271, 5638, 5303, 5608, 5395, 5466, 5522, 5624, 5666, 5470, 5326, 5340, 5410, 5457, 5321, 5627, 5500, 5698, 5308, 5316, 5450, 5597, 5596, 5309, 5329, 5507, 5716, 5263, 5515, 5437, 5259, 5424, 5652, 5602, 5679, 5655, 5362, 5475, 5549, 5260, 5269, 5634, 5516, 5662, 5630, 5663, 5435, 5294, 5461, 5480, 5511, 5484, 5313, 5276, 5371, 5518, 5714, 5688, 5552, 5256, 5413, 5351, 5431, 5641, 5463, 5610, 5258 (7 hits)
30	9	1.0	333.0	Yes	5302.0MHz, -61.0dBm	Hop sequence: 5528, 5599, 5426, 5367, 5705, 5468, 5252, 5494, 5474, 5530, 5724, 5512, 5301, 5383, 5375, 5392, 5408, 5694, 5676, 5692, 5316, 5413, 5299, 5533, 5467, 5322, 5591, 5708, 5580, 5418, 5370, 5495, 5529, 5596, 5674, 5501, 5629, 5521, 5406, 5421, 5272, 5393, 5515, 5452, 5562, 5265, 5387, 5304, 5669, 5602, 5445, 5453, 5713, 5722, 5628, 5476, 5516, 5620, 5285, 5398, 5604, 5623, 5534, 5493, 5425, 5394, 5477, 5376, 5619, 5405, 5458, 5645, 5307, 5460, 5475, 5339, 5661, 5631, 5517, 5583, 5658, 5280, 5632, 5267, 5687, 5584, 5531, 5598, 5371, 5579, 5513, 5448, 5318, 5600, 5655, 5455, 5536, 5552, 5581, 5290 (7 hits)
31	9	1.0	333.0	Yes	5303.0MHz, -61.0dBm	Hop sequence: 5527, 5318, 5515, 5634, 5556, 5580, 5628, 5350, 5358, 5399, 5593, 5627, 5426, 5487, 5390, 5534, 5583, 5280, 5434, 5535, 5603, 5493, 5341, 5408, 5615, 5262, 5645, 5518, 5349, 5397, 5664, 5263, 5491, 5475, 5344, 5332, 5334, 5637, 5701, 5272, 5444, 5505, 5410, 5544, 5378, 5546, 5661, 5312, 5360, 5501, 5267, 5485, 5347, 5461, 5380, 5356, 5588, 5675, 5721, 5251, 5638, 5259, 5285, 5450, 5321, 5531, 5287, 5383, 5305, 5557, 5511, 5652, 5279, 5538, 5649, 5420, 5542, 5656, 5718, 5310, 5462, 5559, 5427, 5711, 5323, 5624, 5284, 5577, 5459, 5520, 5726, 5509, 5582, 5424, 5529, 5651, 5369, 5709, 5548, 5694 (7 hits)
32	9	1.0	333.0	Yes	5304.0MHz, -61.0dBm	Hop sequence: 5440, 5452, 5693, 5324, 5707, 5453, 5541, 5353, 5400, 5415, 5617, 5500, 5286, 5684, 5258, 5429, 5293, 5630, 5250, 5317, 5502, 5311, 5365, 5260, 5613, 5277, 5488, 5601, 5718, 5692, 5307, 5637, 5673, 5592, 5696, 5435, 5626, 5580, 5442, 5650, 5635, 5651, 5686, 5716, 5658, 5719, 5714, 5512, 5339, 5503, 5256, 5608, 5346, 5458, 5417, 5552, 5385, 5672, 5663, 5459, 5553, 5599, 5642, 5454, 5724, 5547, 5475,

Table 90 - FCC frequency hopping radar (Type 6) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5326, 5513, 5691, 5544, 5639, 5469, 5380, 5382, 5517, 5654, 5396, 5276, 5451, 5342, 5358, 5479, 5445, 5641, 5345, 5687, 5350, 5271, 5540, 5397, 5682, 5471, 5498, 5325, 5323, 5481, 5495, 5377, 5520 (6 hits)
33	9	1.0	333.0	Yes	5305.0MHz, -61.0dBm	Hop sequence: 5339, 5701, 5614, 5596, 5409, 5381, 5496, 5522, 5613, 5587, 5402, 5353, 5305, 5440, 5633, 5507, 5566, 5255, 5684, 5432, 5434, 5659, 5369, 5400, 5715, 5510, 5625, 5321, 5443, 5570, 5372, 5543, 5462, 5297, 5512, 5538, 5294, 5452, 5642, 5492, 5379, 5352, 5358, 5579, 5303, 5721, 5252, 5636, 5338, 5447, 5648, 5351, 5723, 5382, 5531, 5503, 5717, 5563, 5619, 5567, 5680, 5431, 5667, 5551, 5314, 5260, 5661, 5319, 5599, 5363, 5491, 5681, 5569, 5482, 5533, 5272, 5485, 5337, 5404, 5663, 5341, 5421, 5261, 5556, 5709, 5265, 5453, 5466, 5455, 5606, 5650, 5269, 5674, 5398, 5391, 5407, 5293, 5724, 5629, 5692 (5 hits)
34	9	1.0	333.0	Yes	5306.0MHz, -61.0dBm	Hop sequence: 5568, 5513, 5515, 5461, 5650, 5446, 5344, 5685, 5491, 5264, 5412, 5527, 5535, 5410, 5656, 5267, 5657, 5346, 5345, 5697, 5357, 5397, 5554, 5681, 5328, 5376, 5598, 5488, 5724, 5647, 5565, 5526, 5531, 5485, 5684, 5569, 5306, 5593, 5386, 5550, 5479, 5281, 5447, 5660, 5383, 5695, 5448, 5548, 5282, 5305, 5653, 5645, 5707, 5385, 5676, 5334, 5317, 5522, 5534, 5595, 5304, 5265, 5623, 5457, 5636, 5723, 5405, 5436, 5517, 5666, 5680, 5353, 5617, 5555, 5608, 5350, 5713, 5352, 5425, 5347, 5401, 5394, 5552, 5627, 5359, 5364, 5624, 5339, 5466, 5716, 5374, 5583, 5518, 5639, 5674, 5566, 5497, 5547, 5456, 5462 (5 hits)
35	9	1.0	333.0	Yes	5307.0MHz, -61.0dBm	Hop sequence: 5620, 5669, 5714, 5522, 5674, 5451, 5672, 5335, 5436, 5348, 5440, 5334, 5494, 5607, 5347, 5711, 5431, 5329, 5266, 5363, 5696, 5615, 5326, 5278, 5540, 5703, 5351, 5588, 5582, 5626, 5423, 5676, 5319, 5543, 5283, 5305, 5557, 5367, 5562, 5421, 5534, 5447, 5528, 5418, 5308, 5401, 5327, 5687, 5664, 5410, 5467, 5390, 5638, 5463, 5338, 5406, 5484, 5372, 5295, 5263, 5715, 5341, 5538, 5681, 5357, 5684, 5296, 5526, 5416, 5667, 5481, 5658, 5461, 5325, 5603, 5262, 5631, 5722, 5500, 5697, 5586, 5388, 5303, 5624, 5253, 5433, 5663, 5630, 5560, 5505, 5399, 5441, 5724, 5469, 5490, 5695, 5359, 5633, 5602, 5632 (7 hits)
36	9	1.0	333.0	Yes	5308.0MHz, -61.0dBm	Hop sequence: 5703, 5557, 5415, 5517, 5404, 5677, 5309, 5408, 5529, 5646, 5396, 5679, 5252, 5656, 5378, 5401, 5303, 5366, 5533, 5675, 5275, 5425, 5437, 5260, 5363, 5331, 5535, 5348, 5573, 5490, 5384, 5545, 5257, 5563, 5658, 5555, 5495, 5496, 5570, 5721, 5688, 5319, 5283, 5316, 5572, 5313, 5651, 5398, 5433, 5539, 5516, 5358, 5350, 5439, 5338, 5339, 5470, 5719, 5335, 5694, 5432, 5317, 5383, 5360, 5513, 5478, 5672, 5261, 5284, 5527, 5707, 5449, 5310, 5296, 5300, 5312, 5406, 5616, 5459, 5328, 5655, 5650, 5691, 5637, 5423, 5546, 5575, 5250, 5299, 5635, 5661, 5359, 5388, 5665, 5565, 5690, 5551, 5426, 5706, 5503 (9 hits)
37	9	1.0	333.0	Yes	5309.0MHz, -61.0dBm	Hop sequence: 5293, 5706, 5277, 5658, 5505, 5260, 5428, 5296, 5271, 5270, 5717, 5426, 5314, 5258, 5413, 5326, 5401, 5630,

Table 90 - FCC frequency hopping radar (Type 6) Results 30MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5605, 5453, 5716, 5298, 5309, 5644, 5570, 5503, 5400, 5352, 5537, 5622, 5323, 5310, 5554, 5405, 5645, 5498, 5452, 5434, 5267, 5362, 5621, 5601, 5411, 5357, 5723, 5384, 5653, 5488, 5467, 5450, 5654, 5556, 5526, 5631, 5316, 5377, 5628, 5667, 5468, 5506, 5649, 5684, 5639, 5616, 5308, 5396, 5659, 5382, 5295, 5266, 5575, 5597, 5282, 5550, 5590, 5375, 5519, 5516, 5523, 5269, 5524, 5568, 5464, 5584, 5636, 5611, 5417, 5608, 5425, 5330, 5598, 5379, 5566, 5433, 5339, 5606, 5376, 5725, 5500, 5678 (9 hits)

Table 91 - Long Sequence Waveform Summary 30MHz CU Steady State LF		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5293.0MHz, -61.0dBm
Trial #2	Detected	5288.0MHz, -61.0dBm
Trial #3	NOT Detected	5283.0MHz, -61.0dBm
Trial #4	Detected	5303.0MHz, -61.0dBm
Trial #5	Detected	5298.0MHz, -61.0dBm
Trial #6	Detected	5293.0MHz, -61.0dBm
Trial #7	Detected	5288.0MHz, -61.0dBm
Trial #8	Detected	5283.0MHz, -61.0dBm
Trial #9	Detected	5303.0MHz, -61.0dBm
Trial #10	Detected	5298.0MHz, -61.0dBm
Trial #11	Detected	5293.0MHz, -61.0dBm
Trial #12	Detected	5288.0MHz, -61.0dBm
Trial #13	Detected	5283.0MHz, -61.0dBm
Trial #14	Detected	5303.0MHz, -61.0dBm
Trial #15	Detected	5298.0MHz, -61.0dBm
Trial #16	Detected	5293.0MHz, -61.0dBm
Trial #17	NOT Detected	5288.0MHz, -61.0dBm
Trial #18	Detected	5283.0MHz, -61.0dBm
Trial #19	Detected	5303.0MHz, -61.0dBm
Trial #20	Detected	5298.0MHz, -61.0dBm
Trial #21	Detected	5293.0MHz, -61.0dBm
Trial #22	NOT Detected	5288.0MHz, -61.0dBm
Trial #23	NOT Detected	5283.0MHz, -61.0dBm
Trial #24	Detected	5303.0MHz, -61.0dBm
Trial #25	Detected	5298.0MHz, -61.0dBm
Trial #26	Detected	5293.0MHz, -61.0dBm
Trial #27	Detected	5288.0MHz, -61.0dBm
Trial #28	Detected	5283.0MHz, -61.0dBm
Trial #29	Detected	5303.0MHz, -61.0dBm
Trial #30	Detected	5298.0MHz, -61.0dBm

Table 92 - Long Sequence Waveform Trial#1 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	58.8	20	-	-	1.155898
2	2	62.9	13	1500.0	-	1.759726
3	3	53.6	6	1691.0	1712.0	2.791797
4	1	69.8	7	-	-	4.569880
5	2	53.1	17	1681.0	-	5.489849
6	2	88.6	11	1742.0	-	7.102698
7	3	71.0	8	1248.0	1677.0	7.309039
8	3	91.3	12	1860.0	1509.0	8.510664
9	1	61.2	19	-	-	9.645172
10	3	83.6	7	1087.0	1374.0	11.825007

Table 93 - Long Sequence Waveform Trial#2 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	89.5	19	1797.0	-	0.320116
2	3	81.0	5	1921.0	1235.0	1.477179
3	1	83.3	17	-	-	2.131488
4	2	98.6	18	1917.0	-	2.868398
5	2	54.1	10	1739.0	-	4.416951
6	2	53.7	10	1305.0	-	5.470490
7	2	94.9	6	1093.0	-	5.777333
8	2	90.5	6	1933.0	-	6.845977
9	2	82.2	6	1812.0	-	7.907971
10	2	87.3	13	1522.0	-	8.707291
11	1	83.4	10	-	-	9.696438
12	3	55.8	9	1225.0	1773.0	10.833010
13	3	88.0	11	1463.0	1501.0	11.774165

Table 94 - Long Sequence Waveform Trial#3 (NOT Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	81.2	17	1967.0	-	0.351431
2	2	85.6	17	1085.0	-	2.627618
3	3	75.0	7	1432.0	1111.0	3.661632
4	3	99.7	14	1549.0	1915.0	5.307046
5	2	94.2	16	1501.0	-	6.031236
6	3	94.4	6	1029.0	1111.0	7.155590
7	1	66.6	12	-	-	9.223581
8	2	81.6	15	1551.0	-	9.412577
9	1	55.9	11	-	-	10.794261

Table 95 - Long Sequence Waveform Trial#4 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	50.3	15	1462.0	-	0.338731
2	2	73.8	13	1234.0	-	0.848201
3	1	56.5	6	-	-	1.743248
4	2	84.0	9	1310.0	-	2.143604
5	1	73.7	15	-	-	2.548883
6	3	91.7	16	1157.0	1714.0	3.506811
7	2	98.8	19	1950.0	-	3.858790
8	2	86.3	19	1882.0	-	4.856514
9	3	56.7	13	1489.0	1945.0	5.339120
10	3	94.8	19	1700.0	1986.0	6.018935
11	2	89.3	17	1255.0	-	6.937775
12	2	98.7	18	1956.0	-	7.535721
13	2	55.5	6	1994.0	-	8.171975
14	2	53.0	16	1100.0	-	8.335980
15	2	87.7	9	1576.0	-	8.869680
16	2	56.7	7	1006.0	-	9.922613
17	1	90.8	14	-	-	10.269226
18	2	74.9	18	1452.0	-	10.891703
19	3	86.4	14	1347.0	1160.0	11.828233

Table 96 - Long Sequence Waveform Trial#5 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	96.1	13	1478.0	1057.0	0.578602
2	2	75.3	18	1450.0	-	1.057800
3	2	74.5	10	1626.0	-	1.433501
4	3	84.4	13	1895.0	1221.0	2.226196
5	2	81.4	19	1253.0	-	2.693216
6	2	69.7	6	1318.0	-	3.204867
7	3	52.9	11	1865.0	1941.0	3.776074
8	1	97.8	12	-	-	4.451524
9	2	87.8	7	1889.0	-	4.954206
10	1	83.6	18	-	-	5.893002
11	2	53.4	17	1489.0	-	6.185261
12	3	52.7	10	1433.0	1498.0	7.016321
13	3	78.7	8	1606.0	1405.0	7.531709
14	1	51.1	12	-	-	7.947722
15	3	91.5	12	1119.0	1799.0	8.919239
16	2	61.8	14	1098.0	-	9.589549
17	2	91.1	16	1653.0	-	9.947511
18	2	68.6	12	1538.0	-	10.477730
19	3	92.0	10	1788.0	1494.0	11.161626
20	2	71.1	17	1299.0	-	11.944361

Table 97 - Long Sequence Waveform Trial#6 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.9	13	1749.0	-	0.659237
2	2	80.7	12	1222.0	-	2.131794
3	2	98.3	14	1718.0	-	3.533406
4	2	70.2	9	1238.0	-	4.191698
5	2	68.3	18	1847.0	-	5.570082
6	1	68.2	6	-	-	7.079492
7	2	77.5	14	1971.0	-	8.842827
8	3	86.0	19	1831.0	1791.0	10.070063
9	2	94.7	19	1691.0	-	11.511095

Table 98 - Long Sequence Waveform Trial#7 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	64.8	7	1284.0	-	0.000749
2	2	83.0	15	1920.0	-	1.507507
3	3	99.3	16	1571.0	1152.0	2.542976
4	3	55.0	8	1398.0	1590.0	3.175014
5	1	94.5	20	-	-	4.126963
6	2	86.9	9	1043.0	-	4.943846
7	1	66.1	11	-	-	5.872409
8	1	96.1	7	-	-	7.359484
9	1	73.7	17	-	-	8.135427
10	1	73.7	15	-	-	8.741930
11	2	73.9	9	1427.0	-	9.289609
12	2	90.7	5	1916.0	-	10.990826
13	1	84.7	11	-	-	11.649285

Table 99 - Long Sequence Waveform Trial#8 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	66.5	5	1095.0	-	0.918498
2	3	96.1	10	1209.0	1706.0	1.725099
3	1	61.7	19	-	-	2.820426
4	3	53.5	15	1203.0	1329.0	3.246155
5	1	55.4	5	-	-	4.194897
6	2	87.2	8	1937.0	-	5.055330
7	1	56.7	12	-	-	6.159631
8	2	76.0	15	1108.0	-	7.257190
9	3	57.1	19	1440.0	1173.0	8.601049
10	2	60.0	6	1450.0	-	9.274152
11	2	61.0	15	1100.0	-	10.832308
12	1	94.0	6	-	-	11.834862

Table 100 - Long Sequence Waveform Trial#9 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	92.0	8	1454.0	-	0.458453
2	3	58.2	7	1821.0	1184.0	1.503432
3	2	88.4	10	1822.0	-	2.112046
4	2	72.4	12	1004.0	-	2.488781
5	1	87.6	14	-	-	3.293819
6	2	67.7	16	1146.0	-	4.597696
7	2	96.7	13	1280.0	-	5.407284
8	1	54.6	18	-	-	5.764718
9	2	90.9	13	1129.0	-	7.019916
10	1	82.0	12	-	-	7.670633
11	2	79.7	8	1101.0	-	8.422468
12	2	71.5	13	1940.0	-	9.143226
13	3	73.1	11	1247.0	1997.0	10.165855
14	3	51.6	11	1015.0	1476.0	10.813641
15	2	54.8	8	1258.0	-	11.608697

Table 101 - Long Sequence Waveform Trial#10 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	84.2	11	1610.0	-	0.215076
2	2	63.0	16	1815.0	-	1.212981
3	2	95.9	5	1555.0	-	1.694097
4	2	99.6	8	1622.0	-	2.505953
5	2	61.7	6	1635.0	-	3.287102
6	3	91.6	6	1828.0	1404.0	3.825981
7	1	97.6	8	-	-	5.157892
8	2	69.7	10	1947.0	-	5.955037
9	2	65.6	15	1832.0	-	6.391097
10	1	57.6	8	-	-	6.786568
11	1	100.0	20	-	-	8.233771
12	3	81.2	15	1176.0	1598.0	8.904491
13	2	52.7	6	1748.0	-	9.090925
14	1	61.9	7	-	-	9.940880
15	1	89.0	16	-	-	11.147177
16	2	60.4	18	1629.0	-	11.964684

Table 102 - Long Sequence Waveform Trial#11 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	90.7	17	1377.0	1095.0	0.025717
2	2	88.1	19	1692.0	-	1.054085
3	2	62.7	12	1722.0	-	1.283263
4	1	79.6	15	-	-	2.177581
5	2	94.6	10	1318.0	-	2.546626
6	2	61.2	11	1460.0	-	3.691399
7	1	86.0	5	-	-	4.017613
8	2	74.4	14	1678.0	-	5.028052
9	1	75.8	5	-	-	5.657662
10	2	74.0	17	1674.0	-	6.075835
11	2	78.8	5	1605.0	-	6.714097
12	2	94.6	10	1336.0	-	7.460384
13	1	92.7	9	-	-	7.671570
14	1	70.2	10	-	-	8.552070
15	2	75.1	13	1194.0	-	8.862481
16	2	50.7	15	1528.0	-	9.627029
17	2	81.2	10	1911.0	-	10.630391
18	2	71.2	12	1426.0	-	10.925325
19	2	92.2	8	1378.0	-	11.938387

Table 103 - Long Sequence Waveform Trial#12 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	79.4	13	1866.0	-	0.269661
2	2	66.6	15	1057.0	-	1.126637
3	2	79.2	17	1984.0	-	1.835325
4	2	68.5	9	1181.0	-	2.574835
5	2	63.8	12	1103.0	-	3.983506
6	2	84.1	18	1313.0	-	4.637334
7	2	66.7	11	1234.0	-	5.144189
8	3	66.9	7	1021.0	1912.0	5.854550
9	3	82.6	5	1699.0	1329.0	6.668988
10	2	94.5	13	1489.0	-	7.738439
11	1	81.0	9	-	-	8.169193
12	2	60.7	11	1385.0	-	9.135754
13	2	67.6	15	1896.0	-	10.034982
14	1	65.3	9	-	-	10.804228
15	1	76.8	16	-	-	11.384081

Table 104 - Long Sequence Waveform Trial#13 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.8	18	1553.0	-	0.118009
2	1	69.0	9	-	-	0.864170
3	1	62.4	15	-	-	1.980354
4	1	62.1	7	-	-	2.392114
5	2	50.1	11	1193.0	-	3.686271
6	3	71.0	14	1177.0	1650.0	4.202744
7	2	60.5	13	1466.0	-	4.626456
8	2	57.4	13	1982.0	-	5.402450
9	2	76.1	16	1530.0	-	6.362258
10	2	76.0	18	1570.0	-	6.872197
11	2	82.2	18	1713.0	-	7.561750
12	3	59.6	10	1448.0	1475.0	8.491371
13	3	56.7	16	1434.0	1464.0	9.410680
14	2	75.9	13	1961.0	-	9.962178
15	2	69.7	14	1657.0	-	10.890042
16	3	91.3	12	1303.0	1051.0	11.457857

Table 105 - Long Sequence Waveform Trial#14 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	76.9	16	1381.0	-	0.756628
2	3	68.7	10	1229.0	1625.0	1.698327
3	2	71.3	10	1385.0	-	1.956864
4	2	73.8	13	1436.0	-	2.953055
5	1	98.8	18	-	-	3.804091
6	2	71.0	18	1691.0	-	4.670670
7	1	95.5	11	-	-	5.152763
8	3	67.3	10	1950.0	1009.0	6.065469
9	1	61.7	8	-	-	7.061834
10	1	96.6	17	-	-	8.312912
11	3	56.8	17	1814.0	1795.0	8.742729
12	3	53.8	18	1112.0	1395.0	9.434028
13	3	68.6	16	1012.0	1409.0	10.377696
14	3	84.5	16	1462.0	1554.0	11.215891

Table 106 - Long Sequence Waveform Trial#15 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	89.0	6	-	-	0.491435
2	1	94.5	11	-	-	0.805459
3	1	88.9	9	-	-	1.650874
4	3	81.8	18	1011.0	1371.0	2.198457
5	1	83.3	14	-	-	2.446813
6	2	99.2	17	1389.0	-	3.440471
7	2	61.1	6	1730.0	-	4.125449
8	3	78.3	11	1315.0	1896.0	4.793596
9	2	54.0	10	1978.0	-	4.983800
10	2	60.4	18	1058.0	-	5.798590
11	1	94.4	14	-	-	6.142308
12	1	65.0	15	-	-	6.830206
13	3	74.0	7	1518.0	1271.0	7.351823
14	2	50.7	17	1524.0	-	7.962520
15	2	94.9	10	1858.0	-	8.542381
16	2	82.5	18	1482.0	-	9.465932
17	2	98.5	8	1861.0	-	9.629592
18	2	59.4	19	1192.0	-	10.306944
19	1	95.7	20	-	-	11.001766
20	1	97.7	6	-	-	11.841780

Table 107 - Long Sequence Waveform Trial#16 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	84.9	9	-	-	0.691959
2	3	83.1	12	1156.0	1196.0	1.776731
3	2	64.6	16	1617.0	-	3.773757
4	2	90.9	18	1258.0	-	4.707025
5	1	95.1	9	-	-	5.604865
6	2	79.4	6	1262.0	-	7.447903
7	3	85.1	12	1943.0	1160.0	8.155650
8	2	96.6	14	1112.0	-	10.226045
9	1	60.0	9	-	-	11.748635

Table 108 - Long Sequence Waveform Trial#17 (NOT Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	86.2	17	1438.0	-	0.895630
2	2	81.1	10	1668.0	-	1.180518
3	1	71.1	7	-	-	2.822495
4	3	79.7	12	1929.0	1119.0	3.985284
5	2	66.1	7	1667.0	-	4.657156
6	2	50.1	13	1570.0	-	6.237261
7	2	65.2	15	1791.0	-	6.572501
8	2	50.9	6	1119.0	-	7.889685
9	2	50.2	14	1227.0	-	9.570806
10	3	84.3	19	1816.0	1774.0	10.294319
11	3	67.3	9	1325.0	1070.0	11.071256

Table 109 - Long Sequence Waveform Trial#18 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	69.6	16	-	-	0.106827
2	2	95.4	19	1557.0	-	1.262014
3	2	98.4	9	1264.0	-	2.196408
4	3	67.3	8	1500.0	1116.0	2.837506
5	2	53.8	15	1741.0	-	3.454629
6	1	70.4	16	-	-	3.772287
7	2	65.2	6	1306.0	-	4.678469
8	2	80.1	15	1553.0	-	5.721049
9	1	66.7	10	-	-	6.087031
10	1	76.1	16	-	-	7.384083
11	2	63.8	18	1608.0	-	8.181917
12	1	82.9	15	-	-	8.605623
13	2	81.3	9	1463.0	-	9.028627
14	3	67.9	19	1636.0	1842.0	9.891204
15	2	79.5	19	1177.0	-	10.995393
16	2	57.9	5	1014.0	-	11.367857

Table 110 - Long Sequence Waveform Trial#19 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	57.3	14	1568.0	1480.0	0.971035
2	2	51.0	10	1150.0	-	1.360476
3	2	88.0	17	1437.0	-	2.222183
4	3	77.7	6	1789.0	1038.0	3.688060
5	2	64.4	6	1901.0	-	4.935214
6	2	80.8	18	1985.0	-	5.988459
7	2	69.7	9	1403.0	-	6.943406
8	1	66.9	5	-	-	7.705672
9	2	76.8	16	1643.0	-	8.993688
10	2	84.3	7	1396.0	-	9.496987
11	2	94.7	18	1600.0	-	10.970509
12	2	90.1	16	1920.0	-	11.740942

Table 111 - Long Sequence Waveform Trial#20 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	73.1	5	-	-	1.137910
2	1	98.8	13	-	-	1.595638
3	2	65.7	7	1120.0	-	2.619322
4	1	58.9	5	-	-	3.865990
5	1	78.0	7	-	-	5.495713
6	2	79.2	12	1131.0	-	6.556649
7	1	94.6	10	-	-	8.076199
8	3	97.8	20	1154.0	1119.0	8.864062
9	2	75.1	17	1269.0	-	10.056940
10	2	83.7	10	1362.0	-	11.306139

Table 112 - Long Sequence Waveform Trial#21 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	52.3	12	1522.0	1079.0	0.193265
2	3	54.6	10	1413.0	1422.0	1.643191
3	2	61.4	7	1777.0	-	1.818266
4	3	87.7	10	1403.0	1370.0	2.941111
5	1	88.5	8	-	-	3.763190
6	2	99.1	16	1447.0	-	5.019957
7	1	95.8	19	-	-	5.378642
8	3	84.8	16	1031.0	1860.0	6.613308
9	3	89.5	7	1258.0	1845.0	7.077561
10	2	69.3	13	1645.0	-	7.974699
11	1	55.8	17	-	-	8.593872
12	3	73.8	11	1048.0	1645.0	9.847227
13	3	95.6	8	1128.0	1157.0	10.394136
14	2	81.8	20	1502.0	-	11.471114

Table 113 - Long Sequence Waveform Trial#22 (NOT Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	73.8	10	1399.0	-	0.033038
2	1	68.6	8	-	-	1.277267
3	2	90.3	19	1711.0	-	2.024312
4	2	81.2	8	1150.0	-	3.818921
5	2	99.1	11	1176.0	-	4.331130
6	3	94.1	5	1965.0	1017.0	5.390428
7	2	61.4	8	1877.0	-	6.576781
8	2	73.9	9	1367.0	-	7.665188
9	3	81.3	16	1314.0	1603.0	8.668922
10	2	68.3	11	1679.0	-	9.323636
11	2	94.5	6	1757.0	-	10.833332
12	2	87.3	12	1155.0	-	11.389267

Table 114 - Long Sequence Waveform Trial#23 (NOT Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	62.3	7	1263.0	-	0.498881
2	2	59.6	11	1778.0	-	1.058925
3	1	63.4	9	-	-	2.754133
4	2	92.5	6	1146.0	-	3.161578
5	2	64.4	13	1038.0	-	3.997387
6	2	81.4	15	1251.0	-	5.408633
7	2	85.0	15	1306.0	-	5.586906
8	2	93.7	16	1045.0	-	7.087568
9	1	51.9	16	-	-	8.187756
10	2	72.5	19	1016.0	-	8.651616
11	3	53.8	17	1336.0	1121.0	10.110276
12	2	70.9	12	1011.0	-	10.221637
13	3	77.0	8	1385.0	1620.0	11.425960

Table 115 - Long Sequence Waveform Trial#24 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	54.9	7	1479.0	-	0.096597
2	2	81.8	11	1200.0	-	1.862957
3	3	66.3	12	1448.0	1529.0	2.683222
4	2	51.9	5	1875.0	-	5.245573
5	2	81.7	8	1549.0	-	6.221245
6	3	78.3	7	1308.0	1487.0	7.352100
7	3	90.2	13	1279.0	1723.0	8.839037
8	3	56.7	7	1571.0	1693.0	9.590869
9	1	85.5	10	-	-	11.020381

Table 116 - Long Sequence Waveform Trial#25 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	72.8	8	-	-	0.432083
2	3	82.9	12	1666.0	1542.0	2.499876
3	3	63.5	13	1728.0	1519.0	3.271934
4	2	59.4	11	1707.0	-	4.266777
5	2	81.4	15	1386.0	-	5.479611
6	1	54.3	15	-	-	6.732253
7	1f	70.5	14	-	-	8.994188
8	3	60.5	14	1776.0	1929.0	10.595366
9	3	91.8	8	1116.0	1043.0	11.620505

Table 117 - Long Sequence Waveform Trial#26 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	66.7	8	1370.0	-	0.127651
2	2	54.8	16	1135.0	-	0.883706
3	2	94.7	12	1805.0	-	1.745530
4	1	58.5	13	-	-	2.602979
5	2	69.1	7	1909.0	-	3.926459
6	2	51.2	9	1478.0	-	5.008002
7	1	78.3	10	-	-	5.633865
8	1	59.7	20	-	-	6.246614
9	1	52.7	11	-	-	7.566301
10	3	79.0	17	1434.0	1483.0	8.502200
11	3	58.5	18	1225.0	1198.0	9.223775
12	3	65.8	15	1476.0	1250.0	9.988347
13	2	75.1	12	1105.0	-	10.381031
14	2	83.5	7	1545.0	-	11.501717

Table 118 - Long Sequence Waveform Trial#27 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.3	20	1475.0	-	0.659541
2	2	68.5	17	1454.0	-	1.640189
3	2	50.8	14	1787.0	-	2.239974
4	2	66.2	13	1331.0	-	3.175776
5	2	52.5	8	1043.0	-	3.730334
6	3	95.0	19	1025.0	1796.0	4.936758
7	3	491.4	10	1279.0	1133.0	5.156585
8	1	55.1	10	-	-	6.583310
9	3	54.2	10	1266.0	1556.0	7.407265
10	1	77.2	17	-	-	8.352840
11	2	88.0	16	1437.0	-	9.097606
12	3	85.1	20	1361.0	1257.0	10.002172
13	2	88.5	12	1266.0	-	10.934313
14	1	64.0	15	-	-	11.653436

Table 119 - Long Sequence Waveform Trial#28 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	88.9	7	1499.0	-	0.108712
2	2	78.7	16	1317.0	-	0.855104
3	1	96.5	18	-	-	2.179993
4	2	85.9	11	1698.0	-	2.699920
5	1	57.6	17	-	-	3.219067
6	1	86.6	16	-	-	4.383415
7	3	78.4	11	1474.0	1051.0	4.998307
8	2	64.2	6	1452.0	-	5.326827
9	1	99.1	18	-	-	6.740198
10	2	87.0	6	1136.0	-	7.154514
11	3	77.7	7	1574.0	1841.0	7.558860
12	3	64.5	14	1025.0	1435.0	8.288979
13	1	53.0	20	-	-	9.174283
14	1	82.9	7	-	-	10.071037
15	2	63.0	15	1294.0	-	10.863186
16	1	93.9	7	-	-	11.765165

Table 120 - Long Sequence Waveform Trial#29 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	80.7	16	-	-	0.177474
2	3	50.8	6	1944.0	1551.0	1.085776
3	3	57.1	10	1838.0	1683.0	1.908432
4	2	63.7	15	1636.0	-	2.578828
5	3	68.3	13	1685.0	1549.0	4.080069
6	3	56.7	13	1314.0	1419.0	4.768696
7	1	96.4	8	-	-	5.607104
8	1	86.1	19	-	-	6.228037
9	2	77.5	12	1539.0	-	7.396220
10	2	64.7	17	1076.0	-	7.976089
11	2	82.9	9	1677.0	-	9.225259
12	2	79.4	15	1272.0	-	9.876494
13	2	57.0	8	1106.0	-	11.124136
14	2	68.9	19	1707.0	-	11.707283

Table 121 - Long Sequence Waveform Trial#30 (Detected) 30MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	74.1	13	1939.0	-	1.391716
2	2	56.7	20	1680.0	-	2.353358
3	3	72.1	16	1783.0	1784.0	4.252489
4	2	51.4	12	1380.0	-	5.812173
5	1	60.9	15	-	-	6.796126
6	2	72.4	19	1942.0	-	7.685250
7	3	96.0	16	1387.0	1608.0	9.557235
8	3	73.8	14	1009.0	1803.0	10.924029

Table 122 - FCC Short Pulse Radar (Type 1) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
2	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
3	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
4	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
5	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
6	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
7	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
8	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
9	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
10	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
11	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
12	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
13	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
14	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
15	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
16	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
17	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
18	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
19	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
20	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
21	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
22	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
23	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
24	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
25	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
26	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
27	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
28	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
29	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
30	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst

Table 123 - FCC Short Pulse Radar (Type 2) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	27	2.3	152.0	Yes	5293.0MHz, -61.0dBm	Single burst
2	24	2.6	215.0	Yes	5288.0MHz, -61.0dBm	Single burst
3	23	4.5	214.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	25	2.0	160.0	Yes	5303.0MHz, -61.0dBm	Single burst
5	29	4.7	174.0	Yes	5298.0MHz, -61.0dBm	Single burst
6	27	1.8	188.0	Yes	5293.0MHz, -61.0dBm	Single burst
7	24	4.3	182.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	25	4.3	176.0	Yes	5283.0MHz, -61.0dBm	Single burst
9	28	2.5	225.0	Yes	5303.0MHz, -61.0dBm	Single burst
10	23	4.1	206.0	Yes	5298.0MHz, -61.0dBm	Single burst
11	26	2.9	170.0	Yes	5293.0MHz, -61.0dBm	Single burst
12	24	2.2	180.0	Yes	5288.0MHz, -61.0dBm	Single burst
13	25	1.3	182.0	Yes	5283.0MHz, -61.0dBm	Single burst
14	24	5.0	155.0	Yes	5303.0MHz, -61.0dBm	Single burst
15	25	1.4	208.0	Yes	5298.0MHz, -61.0dBm	Single burst
16	28	1.9	165.0	Yes	5293.0MHz, -61.0dBm	Single burst
17	25	4.9	214.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	28	3.8	200.0	Yes	5283.0MHz, -61.0dBm	Single burst
19	23	2.1	226.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	25	2.7	194.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	28	2.3	216.0	Yes	5293.0MHz, -61.0dBm	Single burst
22	23	4.0	172.0	Yes	5288.0MHz, -61.0dBm	Single burst
23	24	3.2	155.0	Yes	5283.0MHz, -61.0dBm	Single burst
24	26	4.3	176.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	24	2.8	175.0	Yes	5298.0MHz, -61.0dBm	Single burst
26	26	5.0	190.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	27	1.0	167.0	Yes	5288.0MHz, -61.0dBm	Single burst
28	28	3.5	175.0	Yes	5283.0MHz, -61.0dBm	Single burst
29	29	1.4	165.0	Yes	5303.0MHz, -61.0dBm	Single burst
30	28	2.1	224.0	Yes	5298.0MHz, -61.0dBm	Single burst

Table 124 - FCC Short Pulse Radar (Type 3) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	8.3	303.0	Yes	5293.0MHz, -61.0dBm	Single burst
2	16	9.0	246.0	Yes	5288.0MHz, -61.0dBm	Single burst
3	16	9.5	417.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	18	6.2	396.0	Yes	5303.0MHz, -61.0dBm	Single burst
5	17	7.8	287.0	Yes	5298.0MHz, -61.0dBm	Single burst
6	17	6.1	427.0	Yes	5293.0MHz, -61.0dBm	Single burst
7	17	8.3	399.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	18	9.6	230.0	Yes	5283.0MHz, -61.0dBm	Single burst
9	17	6.1	371.0	Yes	5303.0MHz, -61.0dBm	Single burst
10	17	7.8	420.0	Yes	5298.0MHz, -61.0dBm	Single burst
11	16	9.4	332.0	No	5293.0MHz, -61.0dBm	Single burst
12	18	9.7	485.0	No	5288.0MHz, -61.0dBm	Single burst
13	17	8.1	229.0	Yes	5283.0MHz, -61.0dBm	Single burst
14	17	7.3	367.0	Yes	5303.0MHz, -61.0dBm	Single burst
15	18	7.5	227.0	Yes	5298.0MHz, -61.0dBm	Single burst
16	17	9.6	258.0	No	5293.0MHz, -61.0dBm	Single burst
17	17	8.0	328.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	17	7.8	385.0	Yes	5283.0MHz, -61.0dBm	Single burst
19	17	8.3	201.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	17	6.8	219.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	17	6.5	403.0	Yes	5293.0MHz, -61.0dBm	Single burst
22	17	9.7	464.0	Yes	5288.0MHz, -61.0dBm	Single burst
23	18	7.6	238.0	Yes	5283.0MHz, -61.0dBm	Single burst
24	18	7.4	220.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	17	10.0	448.0	No	5298.0MHz, -61.0dBm	Single burst
26	16	8.8	430.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	18	7.6	424.0	Yes	5288.0MHz, -61.0dBm	Single burst
28	16	8.9	259.0	Yes	5283.0MHz, -61.0dBm	Single burst
29	17	6.9	413.0	Yes	5303.0MHz, -61.0dBm	Single burst
30	16	6.3	367.0	Yes	5298.0MHz, -61.0dBm	Single burst

Table 125 - FCC Short Pulse Radar (Type 4) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	16	19.8	389.0	No	5293.0MHz, -61.0dBm	Single burst
2	15	11.8	203.0	Yes	5288.0MHz, -61.0dBm	Single burst
3	16	18.4	326.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	15	17.9	232.0	Yes	5303.0MHz, -61.0dBm	Single burst
5	14	18.8	302.0	No	5298.0MHz, -61.0dBm	Single burst
6	16	12.0	399.0	No	5293.0MHz, -61.0dBm	Single burst
7	16	14.8	322.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	12	18.2	363.0	Yes	5283.0MHz, -61.0dBm	Single burst
9	15	18.0	283.0	Yes	5303.0MHz, -61.0dBm	Single burst
10	16	12.9	312.0	No	5298.0MHz, -61.0dBm	Single burst
11	15	16.3	313.0	No	5293.0MHz, -61.0dBm	Single burst
12	14	11.8	243.0	Yes	5288.0MHz, -61.0dBm	Single burst
13	12	17.3	271.0	Yes	5283.0MHz, -61.0dBm	Single burst
14	12	12.2	426.0	No	5303.0MHz, -61.0dBm	Single burst
15	13	12.9	421.0	Yes	5298.0MHz, -61.0dBm	Single burst
16	13	17.6	309.0	No	5293.0MHz, -61.0dBm	Single burst
17	13	13.6	460.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	14	15.7	405.0	Yes	5283.0MHz, -61.0dBm	Single burst
19	16	11.3	350.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	13	13.2	287.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	13	14.6	315.0	No	5293.0MHz, -61.0dBm	Single burst
22	14	18.5	295.0	Yes	5288.0MHz, -61.0dBm	Single burst
23	16	19.7	413.0	Yes	5283.0MHz, -61.0dBm	Single burst
24	14	14.6	410.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	14	17.7	233.0	Yes	5298.0MHz, -61.0dBm	Single burst
26	15	14.2	274.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	15	17.4	353.0	Yes	5288.0MHz, -61.0dBm	Single burst
28	16	18.6	340.0	No	5283.0MHz, -61.0dBm	Single burst
29	14	14.6	497.0	Yes	5303.0MHz, -61.0dBm	Single burst
30	12	19.2	456.0	Yes	5298.0MHz, -61.0dBm	Single burst

Table 126 - FCC frequency hopping radar (Type 6) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5310.0MHz, -61.0dBm	Hop sequence: 5404, 5643, 5297, 5316, 5553, 5590, 5544, 5627, 5373, 5435, 5586, 5385, 5399, 5282, 5418, 5562, 5293, 5535, 5642, 5564, 5252, 5356, 5540, 5433, 5361, 5479, 5303, 5341, 5271, 5304, 5391, 5299, 5451, 5641, 5685, 5614, 5300, 5664, 5684, 5364, 5519, 5717, 5443, 5403, 5452, 5567, 5331, 5259, 5383, 5446, 5556, 5294, 5704, 5492, 5667, 5355, 5439, 5633, 5419, 5714, 5652, 5541, 5358, 5675, 5426, 5670, 5450, 5506, 5283, 5499, 5690, 5559, 5521, 5309, 5551, 5602, 5655, 5437, 5636, 5713, 5648, 5447, 5536, 5514, 5515, 5678, 5286, 5528, 5422, 5409, 5260, 5346, 5290, 5342, 5464, 5640, 5362, 5662, 5604, 5597 (12 hits)
2	9	1.0	333.0	Yes	5311.0MHz, -61.0dBm	Hop sequence: 5628, 5662, 5468, 5316, 5270, 5496, 5602, 5536, 5420, 5453, 5683, 5431, 5589, 5723, 5540, 5656, 5346, 5402, 5297, 5438, 5471, 5275, 5673, 5546, 5302, 5528, 5633, 5676, 5341, 5423, 5295, 5308, 5615, 5397, 5335, 5263, 5721, 5280, 5682, 5529, 5539, 5524, 5417, 5716, 5334, 5467, 5459, 5480, 5660, 5403, 5445, 5583, 5675, 5707, 5332, 5367, 5635, 5285, 5661, 5301, 5609, 5262, 5710, 5382, 5565, 5533, 5357, 5345, 5408, 5327, 5328, 5569, 5348, 5477, 5614, 5304, 5680, 5713, 5506, 5315, 5561, 5611, 5343, 5476, 5720, 5577, 5337, 5547, 5466, 5538, 5644, 5321, 5324, 5701, 5311, 5531, 5381, 5549, 5685, 5365 (10 hits)
3	9	1.0	333.0	Yes	5275.0MHz, -61.0dBm	Hop sequence: 5594, 5531, 5550, 5393, 5301, 5545, 5331, 5571, 5616, 5380, 5320, 5253, 5263, 5293, 5604, 5441, 5344, 5309, 5669, 5514, 5613, 5668, 5342, 5661, 5650, 5559, 5279, 5289, 5494, 5383, 5439, 5405, 5654, 5547, 5391, 5527, 5449, 5427, 5561, 5707, 5276, 5401, 5261, 5361, 5659, 5255, 5453, 5465, 5424, 5488, 5426, 5719, 5392, 5546, 5674, 5696, 5698, 5428, 5398, 5633, 5671, 5608, 5346, 5451, 5343, 5647, 5429, 5348, 5402, 5617, 5414, 5483, 5372, 5466, 5523, 5446, 5705, 5431, 5553, 5646, 5628, 5339, 5379, 5330, 5366, 5433, 5533, 5362, 5581, 5321, 5717, 5290, 5430, 5484, 5540, 5575, 5537, 5385, 5710, 5609 (7 hits)
4	9	1.0	333.0	Yes	5276.0MHz, -61.0dBm	Hop sequence: 5622, 5652, 5701, 5575, 5611, 5485, 5367, 5336, 5385, 5524, 5712, 5314, 5640, 5366, 5361, 5635, 5415, 5531, 5419, 5615, 5572, 5376, 5720, 5558, 5702, 5350, 5335, 5341, 5454, 5613, 5407, 5489, 5505, 5567, 5289, 5584, 5510, 5668, 5444, 5431, 5492, 5703, 5624, 5267, 5262, 5300, 5399, 5358, 5428, 5327, 5273, 5442, 5676, 5681, 5315, 5619, 5340, 5486, 5503, 5381, 5637, 5686, 5351, 5264, 5527, 5387, 5506, 5312, 5395, 5620, 5504, 5266, 5258, 5326, 5259, 5425, 5445, 5517, 5570, 5275, 5582, 5669, 5666, 5649, 5529, 5402, 5704, 5515, 5379, 5408, 5304, 5348, 5596, 5628, 5519, 5694, 5657, 5398, 5601, 5459 (4 hits)
5	9	1.0	333.0	Yes	5277.0MHz, -61.0dBm	Hop sequence: 5535, 5326, 5358, 5308, 5713, 5446, 5443, 5377, 5604, 5664, 5564, 5543, 5285, 5625, 5374, 5561, 5678, 5709, 5620, 5483, 5689, 5691, 5607, 5663, 5588, 5468, 5674, 5502, 5413, 5706, 5704, 5426, 5391, 5725, 5279, 5478, 5412, 5681, 5655, 5690, 5309, 5406, 5696, 5520, 5530, 5605,

Table 126 - FCC frequency hopping radar (Type 6) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5471, 5402, 5657, 5256, 5380, 5300, 5457, 5356, 5282, 5702, 5459, 5680, 5645, 5303, 5334, 5407, 5343, 5484, 5337, 5526, 5378, 5306, 5365, 5618, 5283, 5438, 5360, 5598, 5698, 5656, 5431, 5492, 5258, 5517, 5708, 5329, 5623, 5672, 5267, 5652, 5710, 5701, 5328, 5453, 5711, 5364, 5643, 5472, 5372, 5470, 5653, 5558, 5310, 5677 (10 hits)
6	9	1.0	333.0	Yes	5278.0MHz, -61.0dBm	Hop sequence: 5418, 5577, 5395, 5536, 5311, 5361, 5378, 5591, 5338, 5635, 5514, 5369, 5396, 5367, 5713, 5456, 5646, 5299, 5306, 5446, 5260, 5426, 5509, 5584, 5705, 5645, 5484, 5355, 5477, 5391, 5586, 5551, 5379, 5290, 5365, 5548, 5674, 5680, 5304, 5567, 5672, 5380, 5620, 5505, 5377, 5599, 5429, 5468, 5265, 5464, 5487, 5602, 5569, 5385, 5655, 5480, 5703, 5592, 5521, 5388, 5447, 5269, 5256, 5259, 5711, 5481, 5354, 5281, 5610, 5320, 5483, 5370, 5413, 5397, 5657, 5431, 5515, 5634, 5455, 5313, 5436, 5715, 5251, 5604, 5546, 5280, 5442, 5417, 5628, 5642, 5508, 5697, 5411, 5500, 5407, 5373, 5721, 5479, 5720, 5530 (7 hits)
7	9	1.0	333.0	Yes	5279.0MHz, -61.0dBm	Hop sequence: 5653, 5564, 5386, 5714, 5715, 5530, 5454, 5570, 5414, 5462, 5309, 5302, 5541, 5260, 5711, 5463, 5580, 5558, 5540, 5357, 5568, 5286, 5655, 5289, 5516, 5685, 5362, 5586, 5667, 5377, 5626, 5367, 5330, 5379, 5487, 5514, 5262, 5505, 5548, 5517, 5501, 5401, 5587, 5660, 5684, 5503, 5489, 5573, 5290, 5630, 5537, 5588, 5331, 5476, 5328, 5592, 5719, 5705, 5335, 5697, 5413, 5391, 5658, 5374, 5721, 5513, 5526, 5418, 5318, 5305, 5283, 5284, 5428, 5675, 5555, 5638, 5277, 5652, 5562, 5320, 5657, 5549, 5629, 5659, 5488, 5614, 5467, 5449, 5522, 5694, 5261, 5637, 5382, 5444, 5665, 5419, 5271, 5539, 5704, 5496 (9 hits)
8	9	1.0	333.0	Yes	5280.0MHz, -61.0dBm	Hop sequence: 5566, 5524, 5472, 5539, 5335, 5355, 5547, 5315, 5266, 5360, 5671, 5588, 5338, 5256, 5605, 5659, 5272, 5665, 5603, 5698, 5404, 5658, 5656, 5527, 5297, 5518, 5425, 5319, 5660, 5587, 5499, 5513, 5418, 5337, 5439, 5414, 5456, 5409, 5354, 5406, 5300, 5391, 5676, 5511, 5535, 5525, 5672, 5457, 5333, 5561, 5318, 5412, 5373, 5345, 5593, 5495, 5639, 5452, 5405, 5563, 5416, 5271, 5700, 5388, 5295, 5421, 5480, 5350, 5663, 5600, 5610, 5574, 5460, 5662, 5485, 5356, 5551, 5384, 5580, 5401, 5417, 5365, 5478, 5302, 5673, 5719, 5296, 5642, 5492, 5351, 5462, 5540, 5703, 5705, 5572, 5380, 5515, 5491, 5330, 5615 (5 hits)
9	9	1.0	333.0	Yes	5281.0MHz, -61.0dBm	Hop sequence: 5402, 5259, 5538, 5517, 5611, 5341, 5403, 5513, 5280, 5586, 5584, 5718, 5532, 5264, 5253, 5490, 5511, 5299, 5552, 5722, 5325, 5495, 5358, 5270, 5321, 5477, 5333, 5290, 5595, 5487, 5590, 5723, 5690, 5546, 5605, 5600, 5450, 5583, 5456, 5644, 5720, 5498, 5344, 5422, 5380, 5651, 5623, 5705, 5431, 5607, 5639, 5663, 5604, 5519, 5319, 5367, 5458, 5638, 5558, 5345, 5648, 5507, 5534, 5533, 5654, 5504, 5547, 5282, 5506, 5576, 5332, 5554, 5719, 5683, 5510, 5560, 5652, 5537, 5265, 5724, 5306, 5528, 5262, 5694, 5717, 5581, 5349, 5383, 5535, 5695, 5632, 5544, 5578, 5322, 5566, 5530, 5366, 5377, 5473, 5252 (5 hits)

Table 126 - FCC frequency hopping radar (Type 6) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
10	9	1.0	333.0	Yes	5282.0MHz, -61.0dBm	Hop sequence: 5497, 5601, 5275, 5486, 5332, 5556, 5699, 5641, 5417, 5539, 5529, 5387, 5686, 5266, 5721, 5528, 5473, 5260, 5632, 5374, 5398, 5560, 5519, 5301, 5314, 5378, 5450, 5546, 5703, 5656, 5453, 5606, 5452, 5443, 5585, 5557, 5256, 5678, 5579, 5295, 5647, 5610, 5274, 5323, 5577, 5316, 5483, 5445, 5566, 5506, 5431, 5657, 5407, 5254, 5281, 5428, 5469, 5424, 5419, 5479, 5602, 5328, 5655, 5377, 5359, 5575, 5722, 5390, 5618, 5318, 5386, 5482, 5561, 5321, 5347, 5564, 5342, 5408, 5418, 5697, 5269, 5287, 5448, 5569, 5651, 5717, 5644, 5555, 5394, 5543, 5535, 5349, 5388, 5461, 5338, 5724, 5629, 5626, 5379, 5286 (6 hits)
11	9	1.0	333.0	Yes	5283.0MHz, -61.0dBm	Hop sequence: 5692, 5594, 5504, 5543, 5290, 5263, 5293, 5332, 5338, 5634, 5537, 5324, 5653, 5295, 5676, 5360, 5604, 5312, 5589, 5524, 5511, 5449, 5429, 5402, 5431, 5598, 5274, 5382, 5308, 5611, 5443, 5314, 5296, 5446, 5724, 5660, 5712, 5325, 5510, 5514, 5267, 5413, 5693, 5418, 5401, 5700, 5470, 5351, 5707, 5339, 5672, 5254, 5432, 5259, 5568, 5682, 5498, 5628, 5552, 5505, 5570, 5362, 5256, 5597, 5521, 5573, 5709, 5365, 5586, 5480, 5367, 5433, 5654, 5593, 5341, 5517, 5420, 5530, 5687, 5251, 5582, 5662, 5620, 5412, 5285, 5461, 5305, 5536, 5616, 5397, 5454, 5669, 5335, 5398, 5492, 5287, 5549, 5406, 5642, 5621 (8 hits)
12	9	1.0	333.0	Yes	5284.0MHz, -61.0dBm	Hop sequence: 5485, 5504, 5678, 5663, 5579, 5402, 5649, 5269, 5540, 5716, 5705, 5311, 5719, 5282, 5645, 5319, 5429, 5310, 5308, 5288, 5675, 5680, 5305, 5385, 5694, 5558, 5679, 5383, 5465, 5671, 5386, 5488, 5508, 5258, 5501, 5530, 5596, 5483, 5327, 5307, 5369, 5518, 5566, 5658, 5471, 5255, 5604, 5650, 5591, 5389, 5410, 5312, 5454, 5434, 5564, 5337, 5580, 5262, 5414, 5267, 5302, 5467, 5481, 5445, 5510, 5621, 5710, 5506, 5684, 5611, 5336, 5626, 5486, 5629, 5576, 5693, 5346, 5289, 5391, 5413, 5560, 5541, 5659, 5347, 5495, 5432, 5254, 5520, 5420, 5553, 5515, 5633, 5512, 5609, 5636, 5511, 5462, 5457, 5418, 5411 (9 hits)
13	9	1.0	333.0	Yes	5285.0MHz, -61.0dBm	Hop sequence: 5512, 5304, 5311, 5533, 5665, 5694, 5459, 5610, 5381, 5298, 5637, 5303, 5430, 5380, 5426, 5425, 5411, 5269, 5283, 5660, 5696, 5365, 5573, 5702, 5634, 5344, 5588, 5341, 5404, 5333, 5326, 5457, 5530, 5336, 5701, 5585, 5599, 5550, 5713, 5419, 5627, 5535, 5289, 5277, 5339, 5456, 5523, 5482, 5279, 5685, 5509, 5594, 5658, 5301, 5514, 5629, 5394, 5549, 5521, 5400, 5566, 5687, 5352, 5601, 5589, 5288, 5465, 5649, 5378, 5708, 5324, 5511, 5698, 5677, 5387, 5551, 5666, 5716, 5258, 5565, 5390, 5598, 5579, 5477, 5497, 5517, 5724, 5483, 5345, 5493, 5276, 5578, 5678, 5504, 5410, 5251, 5590, 5469, 5270, 5358 (11 hits)
14	9	1.0	333.0	Yes	5286.0MHz, -61.0dBm	Hop sequence: 5304, 5401, 5632, 5590, 5580, 5441, 5269, 5348, 5494, 5521, 5369, 5567, 5636, 5281, 5450, 5569, 5482, 5642, 5452, 5533, 5262, 5291, 5572, 5347, 5711, 5286, 5591, 5663, 5520, 5344, 5408, 5404, 5667, 5352, 5643, 5688, 5334, 5285, 5345, 5475, 5552, 5564, 5715, 5294, 5677, 5427, 5693, 5648, 5581, 5655, 5409, 5371, 5545,

Table 126 - FCC frequency hopping radar (Type 6) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5268, 5524, 5339, 5341, 5707, 5462, 5415, 5634, 5296, 5332, 5532, 5548, 5254, 5525, 5353, 5316, 5501, 5537, 5536, 5394, 5576, 5312, 5700, 5390, 5264, 5544, 5724, 5414, 5549, 5675, 5718, 5290, 5604, 5375, 5263, 5322, 5392, 5480, 5320, 5509, 5449, 5586, 5314, 5671, 5325, 5565, 5329 (8 hits)
15	9	1.0	333.0	Yes	5287.0MHz, -61.0dBm	Hop sequence: 5628, 5272, 5584, 5501, 5663, 5572, 5660, 5296, 5444, 5294, 5721, 5560, 5565, 5575, 5399, 5538, 5570, 5691, 5612, 5341, 5323, 5349, 5265, 5690, 5289, 5297, 5285, 5595, 5340, 5437, 5430, 5253, 5485, 5568, 5425, 5496, 5679, 5379, 5484, 5591, 5677, 5264, 5556, 5358, 5536, 5462, 5547, 5404, 5467, 5550, 5475, 5601, 5615, 5643, 5254, 5515, 5641, 5468, 5723, 5364, 5719, 5525, 5551, 5699, 5725, 5337, 5705, 5394, 5682, 5443, 5434, 5267, 5332, 5327, 5588, 5367, 5674, 5408, 5436, 5325, 5517, 5440, 5726, 5396, 5671, 5352, 5268, 5693, 5275, 5258, 5653, 5526, 5519, 5357, 5295, 5564, 5521, 5300, 5450, 5398 (8 hits) (03/13/2014 10:25:01 AM)
16	9	1.0	333.0	Yes	5288.0MHz, -61.0dBm	Hop sequence: 5519, 5629, 5679, 5452, 5501, 5640, 5495, 5321, 5580, 5709, 5630, 5278, 5639, 5674, 5643, 5673, 5319, 5617, 5365, 5675, 5528, 5410, 5325, 5628, 5719, 5654, 5335, 5261, 5553, 5646, 5458, 5662, 5286, 5530, 5609, 5447, 5502, 5379, 5567, 5320, 5312, 5540, 5277, 5496, 5405, 5670, 5685, 5399, 5324, 5618, 5342, 5401, 5288, 5361, 5515, 5383, 5446, 5433, 5561, 5418, 5285, 5694, 5652, 5541, 5388, 5611, 5271, 5445, 5393, 5453, 5378, 5619, 5448, 5696, 5509, 5516, 5354, 5581, 5682, 5479, 5692, 5369, 5432, 5423, 5352, 5648, 5663, 5336, 5527, 5559, 5426, 5440, 5698, 5500, 5701, 5270, 5592, 5572, 5659, 5362 (5 hits)
17	9	1.0	333.0	Yes	5289.0MHz, -61.0dBm	Hop sequence: 5380, 5690, 5512, 5334, 5590, 5550, 5570, 5469, 5706, 5535, 5381, 5353, 5712, 5355, 5525, 5285, 5307, 5346, 5439, 5254, 5664, 5720, 5378, 5451, 5474, 5461, 5636, 5632, 5332, 5480, 5601, 5665, 5599, 5616, 5593, 5356, 5596, 5416, 5358, 5588, 5633, 5717, 5404, 5668, 5445, 5489, 5606, 5322, 5624, 5630, 5385, 5311, 5494, 5396, 5251, 5422, 5297, 5295, 5585, 5394, 5406, 5374, 5595, 5675, 5584, 5312, 5315, 5325, 5669, 5407, 5723, 5318, 5609, 5694, 5626, 5401, 5260, 5493, 5364, 5523, 5262, 5635, 5540, 5646, 5331, 5430, 5282, 5294, 5681, 5327, 5382, 5337, 5678, 5411, 5568, 5458, 5673, 5266, 5421, 5504 (7 hits)
18	9	1.0	333.0	Yes	5290.0MHz, -61.0dBm	Hop sequence: 5332, 5321, 5522, 5483, 5625, 5383, 5690, 5616, 5621, 5569, 5604, 5705, 5664, 5637, 5675, 5702, 5498, 5645, 5317, 5414, 5363, 5456, 5661, 5699, 5630, 5567, 5345, 5270, 5479, 5271, 5281, 5643, 5546, 5335, 5707, 5371, 5341, 5626, 5387, 5715, 5261, 5581, 5257, 5357, 5693, 5539, 5446, 5573, 5620, 5274, 5287, 5657, 5256, 5253, 5390, 5303, 5292, 5721, 5380, 5475, 5672, 5636, 5330, 5612, 5392, 5513, 5587, 5512, 5305, 5254, 5400, 5701, 5695, 5350, 5658, 5673, 5429, 5598, 5481, 5459, 5634, 5395, 5416, 5320, 5670, 5667, 5527, 5311, 5291, 5627, 5318, 5283, 5441, 5307, 5691, 5342, 5495, 5432, 5595, 5326 (9 hits)

Table 126 - FCC frequency hopping radar (Type 6) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
19	9	1.0	333.0	Yes	5291.0MHz, -61.0dBm	Hop sequence: 5312, 5458, 5615, 5470, 5666, 5519, 5700, 5464, 5706, 5389, 5382, 5490, 5694, 5650, 5467, 5300, 5487, 5301, 5452, 5624, 5655, 5438, 5349, 5616, 5275, 5505, 5369, 5653, 5262, 5535, 5276, 5489, 5590, 5549, 5405, 5672, 5482, 5488, 5553, 5423, 5681, 5444, 5311, 5562, 5575, 5333, 5354, 5543, 5287, 5557, 5530, 5643, 5329, 5328, 5360, 5290, 5256, 5587, 5448, 5627, 5433, 5536, 5532, 5472, 5371, 5568, 5563, 5401, 5605, 5316, 5712, 5336, 5662, 5724, 5671, 5255, 5690, 5258, 5689, 5491, 5510, 5473, 5572, 5647, 5260, 5496, 5430, 5506, 5375, 5499, 5364, 5456, 5319, 5597, 5577, 5313, 5722, 5714, 5310, 5286 (9 hits)
20	9	1.0	333.0	Yes	5292.0MHz, -61.0dBm	Hop sequence: 5568, 5303, 5452, 5410, 5722, 5556, 5645, 5279, 5641, 5664, 5433, 5583, 5302, 5330, 5399, 5419, 5364, 5719, 5436, 5526, 5325, 5387, 5430, 5298, 5378, 5723, 5643, 5640, 5455, 5386, 5400, 5605, 5431, 5445, 5540, 5253, 5693, 5371, 5478, 5277, 5376, 5711, 5254, 5516, 5255, 5287, 5375, 5369, 5401, 5712, 5396, 5440, 5299, 5479, 5390, 5702, 5716, 5467, 5342, 5435, 5585, 5412, 5623, 5326, 5537, 5646, 5714, 5503, 5547, 5462, 5334, 5289, 5406, 5660, 5679, 5692, 5574, 5609, 5374, 5408, 5517, 5451, 5507, 5698, 5383, 5461, 5661, 5597, 5388, 5482, 5718, 5323, 5581, 5273, 5565, 5362, 5647, 5608, 5429, 5365 (8 hits)
21	9	1.0	333.0	Yes	5293.0MHz, -61.0dBm	Hop sequence: 5332, 5324, 5601, 5708, 5257, 5363, 5387, 5715, 5331, 5675, 5668, 5254, 5316, 5517, 5255, 5516, 5587, 5457, 5531, 5552, 5554, 5423, 5438, 5397, 5701, 5304, 5389, 5476, 5251, 5282, 5352, 5381, 5534, 5498, 5307, 5541, 5545, 5370, 5687, 5619, 5527, 5328, 5427, 5659, 5366, 5442, 5294, 5489, 5606, 5538, 5529, 5690, 5510, 5323, 5722, 5647, 5269, 5669, 5383, 5490, 5306, 5358, 5515, 5572, 5671, 5670, 5664, 5420, 5260, 5277, 5688, 5542, 5634, 5430, 5694, 5300, 5568, 5351, 5280, 5327, 5302, 5426, 5296, 5492, 5604, 5609, 5295, 5518, 5315, 5586, 5456, 5584, 5482, 5417, 5665, 5493, 5622, 5273, 5369, 5602 (11 hits)
22	9	1.0	333.0	Yes	5294.0MHz, -61.0dBm	Hop sequence: 5540, 5324, 5635, 5703, 5292, 5432, 5638, 5340, 5322, 5718, 5704, 5422, 5311, 5415, 5594, 5561, 5534, 5320, 5398, 5588, 5373, 5423, 5390, 5256, 5279, 5355, 5319, 5438, 5466, 5459, 5263, 5448, 5469, 5600, 5591, 5547, 5410, 5339, 5707, 5722, 5694, 5544, 5525, 5375, 5419, 5360, 5582, 5513, 5503, 5575, 5376, 5622, 5705, 5318, 5514, 5331, 5391, 5516, 5643, 5486, 5702, 5586, 5693, 5283, 5388, 5681, 5450, 5401, 5691, 5313, 5609, 5578, 5616, 5367, 5439, 5353, 5501, 5646, 5453, 5400, 5595, 5273, 5383, 5716, 5443, 5519, 5288, 5541, 5412, 5314, 5606, 5497, 5329, 5553, 5414, 5479, 5599, 5294, 5477, 5402 (6 hits)
23	9	1.0	333.0	Yes	5295.0MHz, -61.0dBm	Hop sequence: 5263, 5646, 5566, 5464, 5626, 5271, 5692, 5595, 5440, 5342, 5568, 5267, 5653, 5648, 5553, 5319, 5468, 5649, 5397, 5687, 5266, 5581, 5723, 5416, 5517, 5540, 5389, 5682, 5273, 5582, 5402, 5562, 5385, 5602, 5282, 5330, 5324, 5343, 5671, 5685, 5607, 5470, 5596, 5584, 5641, 5571, 5421, 5457, 5696, 5313, 5422, 5446, 5264,

Table 126 - FCC frequency hopping radar (Type 6) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5382, 5718, 5481, 5294, 5409, 5550, 5496, 5510, 5345, 5594, 5549, 5722, 5661, 5590, 5374, 5625, 5507, 5445, 5434, 5666, 5664, 5614, 5458, 5472, 5609, 5461, 5681, 5578, 5265, 5283, 5475, 5704, 5292, 5647, 5651, 5489, 5437, 5289, 5426, 5379, 5659, 5714, 5516, 5300, 5539, 5504, 5697 (6 hits)
24	9	1.0	333.0	Yes	5296.0MHz, -61.0dBm	Hop sequence: 5366, 5629, 5721, 5316, 5518, 5350, 5459, 5448, 5274, 5607, 5315, 5616, 5706, 5480, 5711, 5665, 5630, 5553, 5260, 5511, 5464, 5565, 5543, 5270, 5533, 5640, 5429, 5725, 5306, 5701, 5302, 5281, 5466, 5476, 5642, 5375, 5715, 5301, 5726, 5254, 5417, 5677, 5590, 5460, 5478, 5352, 5331, 5673, 5461, 5493, 5723, 5364, 5376, 5501, 5698, 5395, 5631, 5470, 5578, 5418, 5676, 5623, 5601, 5396, 5412, 5338, 5262, 5374, 5555, 5540, 5411, 5369, 5699, 5695, 5462, 5299, 5363, 5325, 5557, 5690, 5625, 5344, 5624, 5332, 5291, 5615, 5717, 5309, 5586, 5394, 5314, 5252, 5345, 5358, 5404, 5441, 5662, 5414, 5373, 5380 (7 hits)
25	9	1.0	333.0	Yes	5297.0MHz, -61.0dBm	Hop sequence: 5713, 5451, 5377, 5328, 5295, 5668, 5454, 5594, 5337, 5298, 5656, 5691, 5564, 5283, 5419, 5675, 5486, 5647, 5545, 5616, 5724, 5422, 5630, 5336, 5503, 5413, 5260, 5331, 5587, 5602, 5327, 5502, 5290, 5381, 5504, 5580, 5681, 5651, 5319, 5332, 5440, 5281, 5652, 5528, 5411, 5518, 5444, 5627, 5306, 5378, 5570, 5715, 5335, 5618, 5648, 5302, 5530, 5640, 5421, 5367, 5565, 5324, 5266, 5453, 5665, 5601, 5264, 5323, 5604, 5508, 5450, 5586, 5579, 5612, 5607, 5546, 5521, 5717, 5304, 5609, 5705, 5414, 5277, 5649, 5696, 5694, 5289, 5403, 5280, 5512, 5619, 5359, 5282, 5372, 5540, 5650, 5274, 5583, 5684, 5532 (12 hits)
26	9	1.0	333.0	Yes	5298.0MHz, -61.0dBm	Hop sequence: 5387, 5277, 5691, 5545, 5266, 5393, 5481, 5560, 5708, 5557, 5502, 5449, 5483, 5334, 5591, 5518, 5575, 5394, 5361, 5290, 5486, 5590, 5707, 5364, 5322, 5453, 5366, 5268, 5485, 5329, 5643, 5348, 5521, 5689, 5719, 5540, 5507, 5679, 5397, 5310, 5342, 5479, 5466, 5484, 5319, 5406, 5710, 5446, 5552, 5522, 5627, 5561, 5574, 5471, 5723, 5640, 5318, 5419, 5512, 5409, 5429, 5579, 5357, 5533, 5641, 5257, 5252, 5341, 5609, 5435, 5492, 5653, 5314, 5602, 5260, 5269, 5392, 5611, 5368, 5445, 5386, 5559, 5718, 5468, 5648, 5607, 5284, 5675, 5615, 5426, 5501, 5295, 5619, 5297, 5514, 5531, 5410, 5589, 5407, 5655 (6 hits)
27	9	1.0	333.0	Yes	5299.0MHz, -61.0dBm	Hop sequence: 5450, 5662, 5587, 5711, 5424, 5277, 5504, 5522, 5490, 5468, 5426, 5448, 5287, 5578, 5307, 5639, 5643, 5489, 5638, 5661, 5451, 5586, 5404, 5383, 5603, 5666, 5700, 5445, 5660, 5370, 5412, 5568, 5549, 5574, 5356, 5570, 5339, 5276, 5333, 5351, 5262, 5275, 5427, 5439, 5267, 5360, 5482, 5606, 5409, 5509, 5642, 5441, 5540, 5591, 5266, 5685, 5646, 5641, 5689, 5681, 5433, 5367, 5281, 5328, 5506, 5695, 5382, 5713, 5674, 5477, 5602, 5679, 5621, 5343, 5537, 5419, 5514, 5609, 5373, 5515, 5635, 5459, 5495, 5263, 5253, 5558, 5511, 5543, 5657, 5708, 5385, 5380, 5284, 5410, 5599, 5474, 5557, 5305, 5329, 5321 (8 hits)
28	9	1.0	333.0	Yes	5300.0MHz,	Hop sequence: 5544, 5678, 5582, 5714,

Table 126 - FCC frequency hopping radar (Type 6) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-61.0dBm	5581, 5615, 5593, 5266, 5670, 5331, 5351, 5489, 5454, 5617, 5669, 5497, 5272, 5663, 5327, 5676, 5509, 5630, 5559, 5645, 5299, 5634, 5257, 5260, 5474, 5488, 5578, 5517, 5258, 5337, 5370, 5492, 5290, 5602, 5386, 5470, 5305, 5328, 5402, 5262, 5417, 5387, 5691, 5432, 5389, 5294, 5642, 5288, 5695, 5295, 5443, 5462, 5518, 5668, 5374, 5667, 5438, 5409, 5631, 5252, 5453, 5596, 5551, 5493, 5533, 5616, 5279, 5291, 5683, 5383, 5313, 5440, 5525, 5401, 5632, 5553, 5717, 5507, 5312, 5356, 5647, 5359, 5382, 5303, 5573, 5520, 5644, 5342, 5411, 5652, 5309, 5586, 5723, 5601, 5708, 5541 (10 hits)
29	9	1.0	333.0	Yes	5301.0MHz, -61.0dBm	Hop sequence: 5263, 5688, 5586, 5535, 5309, 5716, 5545, 5527, 5720, 5362, 5371, 5386, 5317, 5483, 5337, 5660, 5697, 5522, 5368, 5670, 5338, 5530, 5392, 5458, 5480, 5550, 5578, 5302, 5701, 5298, 5319, 5268, 5698, 5629, 5398, 5469, 5278, 5612, 5722, 5516, 5399, 5486, 5638, 5659, 5331, 5569, 5465, 5560, 5519, 5477, 5554, 5711, 5699, 5509, 5270, 5675, 5677, 5495, 5702, 5262, 5624, 5461, 5289, 5692, 5428, 5641, 5257, 5597, 5414, 5594, 5435, 5306, 5508, 5484, 5421, 5496, 5643, 5301, 5583, 5585, 5634, 5436, 5383, 5380, 5707, 5259, 5598, 5303, 5709, 5447, 5676, 5524, 5463, 5523, 5681, 5320, 5511, 5497, 5336, 5473 (8 hits)
30	9	1.0	333.0	Yes	5302.0MHz, -61.0dBm	Hop sequence: 5719, 5442, 5597, 5540, 5632, 5446, 5345, 5374, 5373, 5358, 5512, 5288, 5253, 5536, 5720, 5352, 5351, 5287, 5251, 5624, 5606, 5537, 5413, 5460, 5518, 5341, 5667, 5415, 5499, 5630, 5677, 5498, 5301, 5546, 5492, 5293, 5283, 5699, 5490, 5260, 5266, 5414, 5539, 5700, 5653, 5300, 5277, 5438, 5599, 5262, 5331, 5258, 5605, 5298, 5679, 5377, 5625, 5362, 5695, 5412, 5443, 5454, 5706, 5273, 5311, 5388, 5310, 5254, 5504, 5687, 5401, 5393, 5368, 5543, 5404, 5581, 5562, 5391, 5636, 5432, 5670, 5501, 5302, 5439, 5433, 5326, 5441, 5638, 5648, 5485, 5396, 5359, 5673, 5721, 5698, 5589, 5474, 5684, 5565, 5285 (12 hits)
31	9	1.0	333.0	Yes	5303.0MHz, -61.0dBm	Hop sequence: 5686, 5507, 5687, 5344, 5574, 5561, 5257, 5258, 5569, 5332, 5334, 5571, 5304, 5541, 5685, 5363, 5665, 5474, 5711, 5590, 5301, 5335, 5418, 5543, 5275, 5376, 5359, 5624, 5544, 5604, 5658, 5319, 5364, 5455, 5620, 5639, 5652, 5719, 5654, 5361, 5480, 5269, 5252, 5454, 5630, 5703, 5411, 5684, 5563, 5586, 5409, 5435, 5542, 5614, 5299, 5448, 5640, 5560, 5253, 5314, 5705, 5596, 5395, 5512, 5340, 5283, 5587, 5554, 5489, 5532, 5646, 5552, 5509, 5427, 5460, 5444, 5588, 5660, 5526, 5702, 5481, 5616, 5522, 5381, 5520, 5290, 5302, 5714, 5434, 5410, 5297, 5277, 5510, 5545, 5643, 5436, 5602, 5594, 5667, 5295 (10 hits)
32	9	1.0	333.0	Yes	5304.0MHz, -61.0dBm	Hop sequence: 5455, 5651, 5682, 5573, 5469, 5405, 5643, 5271, 5356, 5637, 5337, 5477, 5650, 5261, 5429, 5700, 5497, 5444, 5472, 5690, 5526, 5532, 5560, 5253, 5575, 5263, 5406, 5281, 5484, 5689, 5464, 5629, 5549, 5657, 5494, 5703, 5558, 5310, 5597, 5544, 5647, 5285, 5548, 5345, 5379, 5457, 5268, 5610, 5659, 5559, 5305, 5426, 5279, 5443, 5351, 5352, 5712, 5624, 5721, 5490,

Table 126 - FCC frequency hopping radar (Type 6) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5596, 5594, 5314, 5509, 5723, 5394, 5632, 5288, 5709, 5434, 5665, 5392, 5584, 5437, 5424, 5420, 5355, 5656, 5583, 5579, 5488, 5411, 5408, 5678, 5708, 5485, 5503, 5295, 5291, 5475, 5513, 5470, 5260, 5516, 5432, 5622, 5274, 5538, 5415, 5395 (8 hits)
33	9	1.0	333.0	Yes	5305.0MHz, -61.0dBm	Hop sequence: 5355, 5325, 5712, 5258, 5304, 5435, 5624, 5273, 5263, 5324, 5421, 5628, 5277, 5523, 5437, 5259, 5348, 5629, 5301, 5399, 5306, 5362, 5371, 5644, 5255, 5643, 5339, 5652, 5446, 5611, 5511, 5720, 5345, 5564, 5696, 5493, 5618, 5646, 5721, 5271, 5318, 5578, 5705, 5384, 5395, 5660, 5547, 5672, 5356, 5472, 5272, 5621, 5572, 5492, 5379, 5473, 5450, 5251, 5462, 5303, 5426, 5650, 5602, 5677, 5350, 5315, 5713, 5436, 5535, 5553, 5722, 5419, 5323, 5642, 5716, 5607, 5520, 5533, 5466, 5573, 5333, 5664, 5679, 5430, 5538, 5294, 5529, 5619, 5337, 5424, 5480, 5408, 5456, 5445, 5605, 5639, 5669, 5302, 5471, 5427 (7 hits)
34	9	1.0	333.0	Yes	5306.0MHz, -61.0dBm	Hop sequence: 5686, 5420, 5281, 5307, 5436, 5313, 5337, 5680, 5462, 5593, 5548, 5711, 5382, 5472, 5384, 5370, 5424, 5260, 5280, 5524, 5623, 5585, 5352, 5344, 5368, 5567, 5401, 5463, 5626, 5269, 5332, 5421, 5457, 5617, 5629, 5652, 5297, 5654, 5277, 5609, 5474, 5509, 5464, 5649, 5646, 5438, 5443, 5431, 5482, 5644, 5364, 5298, 5379, 5530, 5479, 5514, 5557, 5285, 5698, 5381, 5579, 5266, 5647, 5693, 5353, 5697, 5465, 5397, 5655, 5550, 5552, 5513, 5531, 5338, 5391, 5532, 5581, 5439, 5547, 5389, 5555, 5492, 5301, 5563, 5312, 5549, 5635, 5522, 5375, 5446, 5272, 5712, 5372, 5291, 5425, 5588, 5566, 5592, 5694, 5560 (9 hits)
35	9	1.0	333.0	Yes	5307.0MHz, -61.0dBm	Hop sequence: 5430, 5370, 5704, 5440, 5553, 5285, 5659, 5341, 5679, 5613, 5364, 5396, 5358, 5360, 5407, 5684, 5385, 5598, 5346, 5447, 5577, 5575, 5312, 5365, 5526, 5687, 5482, 5671, 5334, 5386, 5403, 5572, 5608, 5711, 5260, 5558, 5640, 5305, 5692, 5644, 5710, 5518, 5287, 5712, 5487, 5295, 5474, 5638, 5604, 5642, 5381, 5280, 5621, 5377, 5566, 5705, 5479, 5254, 5269, 5252, 5709, 5458, 5691, 5541, 5302, 5597, 5366, 5270, 5417, 5405, 5422, 5491, 5641, 5508, 5451, 5411, 5470, 5493, 5668, 5583, 5426, 5256, 5421, 5594, 5327, 5584, 5331, 5279, 5538, 5423, 5437, 5543, 5299, 5276, 5310, 5255, 5656, 5698, 5339, 5483 (10 hits)
36	9	1.0	333.0	Yes	5308.0MHz, -61.0dBm	Hop sequence: 5724, 5321, 5667, 5501, 5281, 5268, 5346, 5587, 5414, 5340, 5603, 5503, 5635, 5489, 5397, 5279, 5522, 5368, 5638, 5367, 5554, 5320, 5567, 5573, 5396, 5551, 5657, 5623, 5428, 5289, 5399, 5361, 5305, 5261, 5548, 5706, 5369, 5526, 5649, 5370, 5291, 5564, 5558, 5492, 5664, 5459, 5341, 5639, 5410, 5718, 5709, 5621, 5442, 5497, 5518, 5415, 5571, 5699, 5278, 5586, 5354, 5616, 5647, 5412, 5470, 5383, 5482, 5599, 5429, 5686, 5533, 5570, 5435, 5609, 5439, 5317, 5285, 5274, 5411, 5330, 5579, 5652, 5335, 5391, 5673, 5283, 5319, 5675, 5483, 5606, 5695, 5513, 5625, 5360, 5535, 5650, 5588, 5555, 5386, 5425 (8 hits)
37	9	1.0	333.0	Yes	5309.0MHz, -61.0dBm	Hop sequence: 5299, 5632, 5482, 5654, 5574, 5333, 5408, 5287, 5594, 5302, 5612,

Table 126 - FCC frequency hopping radar (Type 6) Results 40MHz CU Steady State LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5437, 5468, 5368, 5357, 5649, 5588, 5381, 5636, 5410, 5258, 5447, 5414, 5252, 5443, 5251, 5686, 5520, 5639, 5528, 5678, 5289, 5549, 5456, 5529, 5565, 5277, 5475, 5310, 5490, 5376, 5492, 5545, 5401, 5539, 5630, 5420, 5434, 5385, 5479, 5599, 5725, 5466, 5596, 5661, 5473, 5382, 5609, 5339, 5578, 5667, 5595, 5356, 5707, 5553, 5452, 5554, 5406, 5569, 5321, 5598, 5503, 5467, 5360, 5320, 5627, 5562, 5544, 5359, 5622, 5285, 5366, 5361, 5593, 5486, 5579, 5343, 5314, 5380, 5710, 5590, 5543, 5384, 5512, 5547, 5546, 5431, 5563, 5586, 5396 (7 hits)

Table 127 - Long Sequence Waveform Summary 40MHz CU Steady State LF		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5293.0MHz, -61.0dBm
Trial #2	NOT Detected	5288.0MHz, -61.0dBm
Trial #3	Detected	5283.0MHz, -61.0dBm
Trial #4	Detected	5303.0MHz, -61.0dBm
Trial #5	Detected	5298.0MHz, -61.0dBm
Trial #6	Detected	5293.0MHz, -61.0dBm
Trial #7	Detected	5288.0MHz, -61.0dBm
Trial #8	Detected	5283.0MHz, -61.0dBm
Trial #9	Detected	5303.0MHz, -61.0dBm
Trial #10	Detected	5298.0MHz, -61.0dBm
Trial #11	NOT Detected	5293.0MHz, -61.0dBm
Trial #12	Detected	5288.0MHz, -61.0dBm
Trial #13	Detected	5283.0MHz, -61.0dBm
Trial #14	Detected	5303.0MHz, -61.0dBm
Trial #15	Detected	5298.0MHz, -61.0dBm
Trial #16	NOT Detected	5293.0MHz, -61.0dBm
Trial #17	Detected	5288.0MHz, -61.0dBm
Trial #18	Detected	5283.0MHz, -61.0dBm
Trial #19	Detected	5303.0MHz, -61.0dBm
Trial #20	Detected	5298.0MHz, -61.0dBm
Trial #21	NOT Detected	5293.0MHz, -61.0dBm
Trial #22	Detected	5288.0MHz, -61.0dBm
Trial #23	Detected	5283.0MHz, -61.0dBm
Trial #24	Detected	5303.0MHz, -61.0dBm
Trial #25	Detected	5298.0MHz, -61.0dBm
Trial #26	Detected	5293.0MHz, -61.0dBm
Trial #27	Detected	5288.0MHz, -61.0dBm
Trial #28	Detected	5283.0MHz, -61.0dBm
Trial #29	Detected	5303.0MHz, -61.0dBm
Trial #30	Detected	5298.0MHz, -61.0dBm

Table 128 - Long Sequence Waveform Trial#1 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	94.1	17	1563.0	1206.0	0.027538
2	2	92.3	13	1692.0	-	0.910535
3	2	85.8	16	1267.0	-	1.724433
4	3	80.2	13	1603.0	1742.0	2.250269
5	2	89.1	13	1819.0	-	2.703228
6	2	55.6	8	1895.0	-	3.509317
7	3	81.0	6	1795.0	1104.0	4.134160
8	2	95.9	11	1951.0	-	4.595092
9	3	66.6	18	1366.0	1404.0	5.341900
10	2	100.0	19	1598.0	-	6.080235
11	1	81.1	11	-	-	6.581838
12	3	82.6	8	1905.0	1064.0	7.006541
13	2	60.6	7	1258.0	-	7.885850
14	2	96.9	6	1644.0	-	8.640176
15	3	89.5	16	1761.0	1081.0	9.150403
16	3	60.5	18	1613.0	1414.0	9.733167
17	3	50.4	15	1350.0	1504.0	10.561569
18	2	80.7	19	1285.0	-	10.984191
19	1	69.5	19	-	-	11.751149

Table 129 - Long Sequence Waveform Trial#2 (NOT Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	58.6	8	1674.0	-	0.651121
2	2	76.1	15	1163.0	-	1.402134
3	1	59.4	13	-	-	2.931807
4	2	50.5	12	1869.0	-	4.268262
5	2	51.2	19	1445.0	-	5.961544
6	2	97.3	19	1228.0	-	7.760655
7	3	96.7	15	1142.0	1045.0	8.048124
8	2	88.9	7	1799.0	-	10.522972
9	2	98.4	6	1687.0	-	11.297679

Table 130 - Long Sequence Waveform Trial#3 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	91.6	8	1227.0	-	0.211805
2	3	99.7	18	1969.0	1989.0	1.017425
3	3	71.8	18	1958.0	1826.0	1.750104
4	1	77.3	19	-	-	1.937988
5	1	91.3	11	-	-	2.691432
6	2	53.7	14	1931.0	-	3.552987
7	2	72.5	11	1380.0	-	3.693711
8	3	71.0	16	1939.0	1339.0	4.764850
9	2	52.6	13	1613.0	-	4.976837
10	1	62.1	20	-	-	5.812998
11	3	60.8	18	1405.0	1496.0	6.215976
12	1	71.5	17	-	-	6.956259
13	3	63.4	6	1899.0	1709.0	7.582086
14	2	52.4	12	1086.0	-	8.026730
15	2	68.5	20	1479.0	-	8.929222
16	2	98.6	9	1624.0	-	9.211001
17	2	80.2	19	1176.0	-	9.710055
18	2	71.3	14	1761.0	-	10.693924
19	1	85.5	19	-	-	10.954657
20	1	77.8	11	-	-	11.787556

Table 131 - Long Sequence Waveform Trial#4 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	63.9	10	1125.0	-	0.523892
2	3	71.2	11	1682.0	1445.0	1.151432
3	3	84.7	17	1897.0	1709.0	1.701372
4	1	57.9	17	-	-	2.343323
5	2	92.6	20	1064.0	-	2.837766
6	3	60.7	19	1430.0	1517.0	3.121441
7	2	60.2	8	1135.0	-	3.612888
8	2	82.5	11	1864.0	-	4.547924
9	3	87.8	19	1418.0	1173.0	5.026843
10	2	72.7	19	1493.0	-	5.410854
11	2	74.7	19	1371.0	-	6.259224
12	3	57.5	18	1049.0	1189.0	7.145505
13	3	85.3	5	1966.0	1256.0	7.695429
14	1	79.7	16	-	-	8.084028
15	2	87.4	18	1159.0	-	8.653909
16	1	61.0	14	-	-	9.104390
17	2	72.6	12	1504.0	-	10.125286
18	2	79.9	11	1587.0	-	10.596218
19	2	97.3	12	1450.0	-	10.868927
20	2	96.9	17	1986.0	-	11.738210

Table 132 - Long Sequence Waveform Trial#5 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	76.4	15	1539.0	1858.0	0.446838
2	2	56.8	16	1085.0	-	1.951187
3	2	59.1	18	1754.0	-	2.002378
4	3	68.8	8	1227.0	1011.0	3.713751
5	3	81.8	10	1954.0	1894.0	4.408314
6	1	51.7	17	-	-	5.160490
7	2	79.9	14	1282.0	-	6.438943
8	3	68.6	13	1261.0	1541.0	7.661585
9	2	75.8	11	1753.0	-	8.765693
10	3	59.6	12	1376.0	1995.0	9.205147
11	2	54.5	10	1187.0	-	10.234542
12	1	64.2	15	-	-	11.512808

Table 133 - Long Sequence Waveform Trial#6 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	68.3	17	1767.0	-	0.681087
2	1	67.6	17	-	-	1.004280
3	2	50.7	17	1784.0	-	1.821466
4	1	70.9	12	-	-	2.710144
5	1	72.6	11	-	-	2.941164
6	3	63.3	17	1845.0	1111.0	3.889361
7	3	87.7	7	1085.0	1765.0	4.314980
8	1	70.3	12	-	-	5.454460
9	3	94.4	7	1184.0	1914.0	6.228033
10	3	51.4	20	1441.0	1201.0	6.830548
11	3	52.5	14	1394.0	1843.0	7.380247
12	2	98.7	13	1175.0	-	7.881361
13	3	86.4	15	1311.0	1613.0	8.789362
14	3	82.8	14	1891.0	1300.0	9.237670
15	2	57.5	13	1304.0	-	10.047300
16	2	82.5	13	1823.0	-	11.232350
17	1	77.2	12	-	-	11.850443

Table 134 - Long Sequence Waveform Trial#7 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	84.7	10	1612.0	-	0.132754
2	1	71.9	20	-	-	1.097120
3	2	55.7	14	1221.0	-	1.812964
4	2	94.4	10	1499.0	-	2.552211
5	2	62.3	11	1449.0	-	3.107341
6	1	96.4	6	-	-	3.994979
7	2	85.0	16	1141.0	-	4.083802
8	2	51.8	11	1584.0	-	5.113217
9	3	78.6	18	1206.0	1480.0	5.837470
10	2	82.4	18	1973.0	-	6.398978
11	2	96.2	16	1389.0	-	7.038625
12	3	57.4	8	1534.0	1497.0	7.834420
13	3	64.1	7	1498.0	1706.0	8.145073
14	3	84.8	19	1399.0	1590.0	9.049049
15	1	99.9	17	-	-	9.436897
16	2	99.2	17	1979.0	-	10.016808
17	2	62.9	6	1550.0	-	10.917451
18	2	65.4	18	1833.0	-	11.381659

Table 135 - Long Sequence Waveform Trial#8 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	92.2	17	-	-	0.572354
2	1	50.6	17	-	-	2.589395
3	2	88.2	18	1455.0	-	3.782763
4	2	66.8	19	1246.0	-	4.249597
5	1	80.3	9	-	-	5.830566
6	1	52.8	19	-	-	7.843535
7	1	81.2	15	-	-	8.622880
8	2	66.5	13	1477.0	-	10.513739
9	1	77.3	18	-	-	11.354755

Table 136 - Long Sequence Waveform Trial#9 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	68.5	8	1439.0	-	0.130820
2	2	54.7	10	1559.0	-	1.369994
3	2	96.1	15	1895.0	-	1.939064
4	3	94.1	11	1770.0	1683.0	2.827219
5	2	89.7	7	1611.0	-	3.398943
6	2	91.6	13	1798.0	-	4.764766
7	2	89.9	18	1899.0	-	4.930748
8	2	51.9	16	1470.0	-	5.858237
9	2	62.2	6	1707.0	-	7.163123
10	3	74.9	13	1808.0	1550.0	7.380563
11	2	87.0	5	1546.0	-	8.784822
12	3	83.5	14	1473.0	1533.0	9.297086
13	2	88.8	15	1174.0	-	10.370553
14	2	62.3	17	1734.0	-	10.806960
15	1	77.9	10	-	-	11.560321

Table 137 - Long Sequence Waveform Trial#10 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	94.4	15	1861.0	1152.0	0.881103
2	2	81.4	19	1811.0	-	1.221110
3	2	79.9	11	1884.0	-	2.772749
4	3	73.5	14	1369.0	1184.0	4.216726
5	2	88.0	20	1158.0	-	4.853815
6	3	90.5	10	1006.0	1535.0	6.104493
7	2	52.9	11	1161.0	-	6.851726
8	2	99.5	5	1072.0	-	7.926015
9	2	67.5	14	1447.0	-	9.766656
10	2	97.9	8	1942.0	-	10.893667
11	3	95.4	7	1686.0	1616.0	11.363319

Table 138 - Long Sequence Waveform Trial#11 (NOT Detected) 40MHz CU Steady State LF						
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	1864.0	-	0.375796
2	3	82.9	11	1392.0	1211.0	1.233201
3	1	64.4	7	-	-	2.250892
4	2	55.1	13	1448.0	-	3.391287
5	2	86.8	11	1450.0	-	4.256718
6	1	80.8	8	-	-	4.931282
7	3	82.6	14	1378.0	1516.0	5.664917
8	2	83.8	19	1702.0	-	6.395719
9	2	53.9	12	1537.0	-	6.934708
10	2	81.7	7	1274.0	-	8.529923
11	3	72.5	16	1517.0	1739.0	8.636182
12	1	58.3	15	-	-	10.001979
13	1	54.2	6	-	-	11.020799
14	3	96.0	7	1527.0	1153.0	11.276413

Table 139 - Long Sequence Waveform Trial#12 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	51.4	10	1021.0	1603.0	0.205299
2	3	60.5	8	1150.0	1117.0	1.595704
3	1	57.5	20	-	-	2.618300
4	1	96.6	16	-	-	2.792165
5	2	94.9	20	1198.0	-	4.273581
6	3	77.9	8	1282.0	1395.0	5.384675
7	2	98.1	14	1491.0	-	6.433664
8	3	61.4	20	1248.0	1033.0	7.100406
9	3	78.1	9	1210.0	1743.0	8.038966
10	3	63.1	11	1791.0	1966.0	8.597002
11	3	63.6	13	1042.0	1169.0	9.358372
12	2	94.0	11	1035.0	-	10.833372
13	2	63.5	6	1511.0	-	11.442031

Table 140 - Long Sequence Waveform Trial#13 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	74.8	8	1212.0	-	0.233834
2	1	68.1	16	-	-	0.962406
3	3	76.6	16	1607.0	1438.0	1.875400
4	2	63.5	12	1747.0	-	2.771437
5	1	89.0	5	-	-	3.849089
6	2	53.5	18	1149.0	-	4.510481
7	1	55.5	6	-	-	5.406472
8	2	82.9	17	1676.0	-	6.428212
9	2	50.1	13	1652.0	-	7.033151
10	2	72.7	17	1114.0	-	8.342313
11	2	79.1	8	1554.0	-	8.702247
12	2	64.3	9	1791.0	-	10.242100
13	1	76.3	8	-	-	10.866746
14	2	92.3	17	1126.0	-	11.159046

Table 141 - Long Sequence Waveform Trial#14 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	94.5	8	1785.0	-	0.586636
2	2	80.1	6	1071.0	-	0.955140
3	2	83.9	9	1857.0	-	2.273903
4	1	70.9	7	-	-	2.714110
5	2	56.3	8	1899.0	-	3.523594
6	3	79.4	6	1595.0	1642.0	4.631515
7	2	59.5	14	1785.0	-	5.838433
8	3	84.3	17	1827.0	1521.0	6.158229
9	2	68.2	19	1348.0	-	7.371295
10	1	87.0	10	-	-	8.095778
11	2	99.1	7	1025.0	-	8.907456
12	1	99.9	7	-	-	9.593670
13	2	98.8	13	1656.0	-	10.543710
14	2	76.1	16	1682.0	-	11.512853

Table 142 - Long Sequence Waveform Trial#15 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	71.6	19	1002.0	1143.0	0.604040
2	1	65.1	10	-	-	1.058704
3	2	73.4	11	1683.0	-	1.510225
4	2	60.9	20	1617.0	-	2.276026
5	2	56.1	17	1830.0	-	3.057889
6	3	85.1	14	1715.0	1120.0	3.852370
7	2	98.3	8	1133.0	-	5.196771
8	2	59.4	7	1342.0	-	5.292488
9	1	66.7	9	-	-	6.707812
10	3	67.0	15	1803.0	1161.0	6.885501
11	2	81.3	7	1706.0	-	7.579394
12	2	62.7	10	1452.0	-	8.417084
13	1	57.1	19	-	-	9.041073
14	2	92.8	8	1147.0	-	10.108379
15	3	93.0	7	1809.0	1006.0	11.231167
16	3	58.8	13	1237.0	1722.0	11.782817

Table 143 - Long Sequence Waveform Trial#16 (NOT Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	75.8	9	1623.0	-	0.125416
2	2	59.0	7	1201.0	-	2.040204
3	2	71.9	10	1355.0	-	3.131091
4	1	74.0	14	-	-	3.799341
5	1	89.1	15	-	-	4.594014
6	1	75.7	12	-	-	6.178209
7	3	92.5	14	1096.0	1460.0	6.985478
8	2	91.2	7	1499.0	-	8.228145
9	2	54.1	8	1166.0	-	9.314179
10	2	94.6	15	1315.0	-	10.189258
11	1	92.3	15	-	-	11.838464

Table 144 - Long Sequence Waveform Trial#17 (Detected) 40MHz CU Steady State LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.2	17	1785.0	-	0.350032
2	1	59.8	14	-	-	1.028646
3	3	57.1	7	1546.0	1458.0	1.368267
4	1	64.8	13	-	-	2.281585
5	1	53.9	13	-	-	2.505752
6	2	97.6	20	1469.0	-	3.349027
7	2	98.5	14	1474.0	-	3.795667
8	2	88.6	15	1923.0	-	4.243609
9	1	83.7	16	-	-	4.927610
10	1	67.3	19	-	-	5.545111
11	1	90.7	18	-	-	6.307536
12	1	52.8	18	-	-	6.785341
13	2	60.9	18	1405.0	-	7.708094
14	1	98.3	6	-	-	8.377503
15	2	98.2	9	1430.0	-	8.728046
16	2	85.2	12	1789.0	-	9.331305
17	3	80.9	17	1771.0	1905.0	10.039351
18	1	71.0	17	-	-	10.767425
19	1	62.2	6	-	-	11.124598
20	2	65.0	13	1701.0	-	11.503886

Table 145 - FCC Short Pulse Radar (Type 1) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
4	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
7	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
22	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	18	1.0	1428.0	Yes	5540.0MHz, -61.0dBm	Single burst
27	18	1.0	1428.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	18	1.0	1428.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	18	1.0	1428.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	18	1.0	1428.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 146 - FCC Short Pulse Radar (Type 2) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	23	2.5	162.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	25	1.2	204.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	24	2.6	220.0	Yes	5530.0MHz, -61.0dBm	Single burst
4	29	4.7	228.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	27	1.6	178.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	28	3.6	230.0	Yes	5540.0MHz, -61.0dBm	Single burst
7	28	2.7	216.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	24	2.8	188.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	29	2.7	189.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	28	2.8	187.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	24	4.7	202.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	27	2.1	179.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	27	4.0	183.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	25	3.3	220.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	29	1.1	182.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	26	3.1	200.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	24	2.7	186.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	25	1.6	172.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	27	4.0	206.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	26	3.5	179.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	24	1.9	220.0	Yes	5540.0MHz, -61.0dBm	Single burst
22	29	1.8	168.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	24	1.1	171.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	26	1.1	185.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	27	4.8	189.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	26	4.9	185.0	Yes	5540.0MHz, -61.0dBm	Single burst
27	25	3.7	156.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	23	3.3	185.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	28	4.3	218.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	25	2.4	165.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 147 - FCC Short Pulse Radar (Type 3) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	6.2	266.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	17	7.6	385.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	17	7.5	455.0	No	5530.0MHz, -61.0dBm	Single burst
4	18	6.4	356.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	18	6.1	298.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	18	6.9	369.0	No	5540.0MHz, -61.0dBm	Single burst
7	17	8.0	456.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	17	8.6	409.0	Yes	5530.0MHz, -61.0dBm	Single burst
9	16	6.5	414.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	17	7.3	271.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	17	6.1	487.0	Yes	5540.0MHz, -61.0dBm	Single burst
12	18	9.8	215.0	Yes	5535.0MHz, -61.0dBm	Single burst
13	16	6.2	280.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	17	7.2	333.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	17	9.8	327.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	17	6.8	218.0	No	5540.0MHz, -61.0dBm	Single burst
17	17	9.6	440.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	17	8.1	291.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	17	7.7	378.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	18	7.1	421.0	Yes	5545.0MHz, -61.0dBm	Single burst
21	17	6.9	331.0	No	5540.0MHz, -61.0dBm	Single burst
22	17	9.1	254.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	17	6.5	306.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	18	9.2	427.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	17	9.6	386.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	17	6.4	344.0	No	5540.0MHz, -61.0dBm	Single burst
27	17	6.5	413.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	17	8.3	416.0	No	5530.0MHz, -61.0dBm	Single burst
29	16	7.6	314.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	17	8.5	475.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 148 - FCC Short Pulse Radar (Type 4) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	15	19.1	287.0	Yes	5540.0MHz, -61.0dBm	Single burst
2	13	19.6	475.0	Yes	5535.0MHz, -61.0dBm	Single burst
3	14	16.5	470.0	No	5530.0MHz, -61.0dBm	Single burst
4	14	16.9	403.0	Yes	5550.0MHz, -61.0dBm	Single burst
5	16	19.8	443.0	Yes	5545.0MHz, -61.0dBm	Single burst
6	15	11.3	235.0	No	5540.0MHz, -61.0dBm	Single burst
7	14	17.7	419.0	Yes	5535.0MHz, -61.0dBm	Single burst
8	15	13.0	471.0	No	5530.0MHz, -61.0dBm	Single burst
9	12	13.7	325.0	Yes	5550.0MHz, -61.0dBm	Single burst
10	14	18.5	210.0	Yes	5545.0MHz, -61.0dBm	Single burst
11	15	18.3	437.0	No	5540.0MHz, -61.0dBm	Single burst
12	13	18.3	464.0	No	5535.0MHz, -61.0dBm	Single burst
13	16	11.9	342.0	Yes	5530.0MHz, -61.0dBm	Single burst
14	13	11.9	313.0	Yes	5550.0MHz, -61.0dBm	Single burst
15	14	19.1	229.0	Yes	5545.0MHz, -61.0dBm	Single burst
16	14	19.5	204.0	Yes	5540.0MHz, -61.0dBm	Single burst
17	16	16.2	405.0	Yes	5535.0MHz, -61.0dBm	Single burst
18	15	19.3	395.0	Yes	5530.0MHz, -61.0dBm	Single burst
19	13	11.9	269.0	Yes	5550.0MHz, -61.0dBm	Single burst
20	14	13.1	251.0	No	5545.0MHz, -61.0dBm	Single burst
21	15	15.7	366.0	No	5540.0MHz, -61.0dBm	Single burst
22	15	15.4	227.0	Yes	5535.0MHz, -61.0dBm	Single burst
23	14	13.8	356.0	Yes	5530.0MHz, -61.0dBm	Single burst
24	12	18.9	218.0	Yes	5550.0MHz, -61.0dBm	Single burst
25	12	17.1	412.0	Yes	5545.0MHz, -61.0dBm	Single burst
26	15	16.8	346.0	No	5540.0MHz, -61.0dBm	Single burst
27	15	14.9	302.0	Yes	5535.0MHz, -61.0dBm	Single burst
28	16	15.4	407.0	Yes	5530.0MHz, -61.0dBm	Single burst
29	12	14.1	204.0	Yes	5550.0MHz, -61.0dBm	Single burst
30	15	19.6	216.0	Yes	5545.0MHz, -61.0dBm	Single burst

Table 149 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5557.0MHz, -61.0dBm	Hop sequence: 5527, 5507, 5666, 5430, 5632, 5385, 5555, 5352, 5251, 5522, 5359, 5585, 5504, 5308, 5676, 5602, 5351, 5472, 5574, 5272, 5479, 5684, 5469, 5380, 5567, 5327, 5339, 5577, 5264, 5513, 5539, 5253, 5587, 5562, 5622, 5300, 5397, 5707, 5452, 5282, 5690, 5682, 5411, 5702, 5672, 5377, 5362, 5420, 5299, 5694, 5590, 5292, 5661, 5323, 5701, 5519, 5408, 5693, 5389, 5487, 5700, 5354, 5335, 5635, 5482, 5648, 5549, 5344, 5361, 5415, 5283, 5554, 5402, 5704, 5525, 5593, 5500, 5710, 5450, 5328, 5495, 5490, 5628, 5503, 5576, 5329, 5603, 5319, 5492, 5534, 5281, 5638, 5605, 5376, 5414, 5332, 5384, 5643, 5499, 5413 (8 hits)
2	9	1.0	333.0	Yes	5558.0MHz, -61.0dBm	Hop sequence: 5284, 5623, 5720, 5588, 5650, 5598, 5353, 5644, 5698, 5527, 5607, 5290, 5309, 5419, 5596, 5572, 5259, 5670, 5664, 5436, 5388, 5510, 5260, 5330, 5275, 5458, 5408, 5391, 5653, 5485, 5318, 5714, 5587, 5621, 5626, 5724, 5494, 5712, 5365, 5389, 5402, 5620, 5504, 5463, 5341, 5528, 5289, 5411, 5611, 5381, 5317, 5430, 5606, 5544, 5601, 5662, 5539, 5467, 5385, 5441, 5452, 5395, 5690, 5678, 5614, 5267, 5581, 5542, 5489, 5589, 5669, 5293, 5509, 5420, 5619, 5635, 5461, 5274, 5618, 5592, 5344, 5686, 5251, 5543, 5262, 5313, 5584, 5301, 5382, 5424, 5597, 5431, 5529, 5625, 5299, 5694, 5538, 5492, 5373, 5268 (8 hits)
3	9	1.0	333.0	Yes	5522.0MHz, -61.0dBm	Hop sequence: 5376, 5298, 5379, 5269, 5608, 5547, 5395, 5665, 5411, 5413, 5706, 5606, 5507, 5462, 5520, 5450, 5569, 5257, 5632, 5643, 5476, 5618, 5699, 5497, 5345, 5465, 5680, 5495, 5599, 5668, 5451, 5392, 5707, 5375, 5371, 5484, 5285, 5365, 5614, 5671, 5664, 5510, 5693, 5338, 5299, 5696, 5525, 5538, 5410, 5408, 5303, 5622, 5524, 5412, 5514, 5623, 5529, 5493, 5638, 5490, 5251, 5314, 5273, 5296, 5600, 5712, 5378, 5502, 5335, 5607, 5528, 5578, 5427, 5634, 5545, 5585, 5594, 5391, 5487, 5352, 5667, 5469, 5341, 5636, 5642, 5496, 5260, 5518, 5445, 5425, 5447, 5480, 5267, 5329, 5295, 5448, 5291, 5644, 5405, 5503 (7 hits)
4	9	1.0	333.0	Yes	5523.0MHz, -61.0dBm	Hop sequence: 5391, 5268, 5346, 5528, 5274, 5593, 5551, 5269, 5471, 5706, 5662, 5669, 5512, 5692, 5623, 5704, 5523, 5717, 5657, 5393, 5389, 5275, 5661, 5305, 5640, 5656, 5420, 5372, 5384, 5320, 5497, 5297, 5601, 5429, 5446, 5672, 5541, 5371, 5398, 5507, 5626, 5449, 5636, 5313, 5664, 5665, 5396, 5444, 5368, 5715, 5635, 5644, 5683, 5561, 5687, 5360, 5670, 5587, 5406, 5480, 5531, 5425, 5622, 5511, 5555, 5289, 5469, 5578, 5639, 5261, 5675, 5283, 5618, 5456, 5294, 5642, 5602, 5290, 5411, 5652, 5256, 5308, 5370, 5637, 5409, 5404, 5638, 5259, 5615, 5684, 5607, 5472, 5278, 5506, 5304, 5475, 5624, 5448, 5527, 5494 (7 hits)
5	9	1.0	333.0	Yes	5524.0MHz, -61.0dBm	Hop sequence: 5408, 5478, 5653, 5675, 5605, 5561, 5576, 5559, 5332, 5636, 5634, 5257, 5311, 5458, 5562, 5368, 5473, 5724, 5673, 5723, 5284, 5258, 5279, 5429, 5694, 5639, 5317, 5393, 5657, 5451, 5601, 5402, 5343, 5646, 5528, 5631, 5366, 5709, 5433, 5288, 5358, 5615, 5513, 5541, 5597, 5253,

Table 149 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5486, 5378, 5391, 5551, 5293, 5480, 5370, 5701, 5414, 5308, 5651, 5277, 5544, 5350, 5607, 5575, 5505, 5570, 5613, 5699, 5687, 5254, 5316, 5548, 5252, 5355, 5665, 5495, 5558, 5689, 5351, 5292, 5274, 5577, 5264, 5356, 5266, 5465, 5354, 5493, 5501, 5339, 5498, 5572, 5347, 5717, 5330, 5336, 5560, 5352, 5321, 5517, 5556, 5722 (7 hits)
6	9	1.0	333.0	Yes	5525.0MHz, -61.0dBm	Hop sequence: 5605, 5387, 5315, 5530, 5697, 5272, 5299, 5496, 5279, 5536, 5329, 5263, 5618, 5575, 5474, 5646, 5499, 5390, 5418, 5695, 5276, 5293, 5467, 5433, 5259, 5325, 5353, 5684, 5551, 5707, 5480, 5580, 5490, 5322, 5399, 5638, 5381, 5681, 5711, 5252, 5423, 5660, 5513, 5309, 5306, 5534, 5382, 5258, 5558, 5705, 5334, 5651, 5714, 5302, 5664, 5704, 5677, 5679, 5457, 5675, 5335, 5667, 5360, 5282, 5452, 5414, 5464, 5413, 5441, 5429, 5516, 5571, 5569, 5719, 5289, 5392, 5637, 5532, 5395, 5507, 5631, 5386, 5626, 5437, 5278, 5304, 5648, 5546, 5297, 5446, 5529, 5493, 5531, 5680, 5317, 5720, 5641, 5439, 5337, 5597 (9 hits)
7	9	1.0	333.0	Yes	5526.0MHz, -61.0dBm	Hop sequence: 5254, 5586, 5551, 5442, 5436, 5621, 5472, 5498, 5624, 5516, 5314, 5281, 5381, 5457, 5410, 5574, 5469, 5567, 5720, 5453, 5393, 5603, 5711, 5588, 5501, 5468, 5538, 5577, 5609, 5659, 5364, 5403, 5384, 5627, 5508, 5722, 5640, 5547, 5576, 5633, 5255, 5483, 5361, 5370, 5488, 5340, 5413, 5263, 5520, 5298, 5677, 5544, 5315, 5307, 5525, 5372, 5362, 5386, 5570, 5682, 5706, 5445, 5450, 5636, 5689, 5280, 5683, 5558, 5702, 5673, 5323, 5487, 5674, 5415, 5715, 5459, 5579, 5329, 5270, 5289, 5509, 5671, 5471, 5455, 5566, 5672, 5687, 5497, 5650, 5479, 5476, 5575, 5618, 5557, 5382, 5514, 5725, 5277, 5441, 5337 (7 hits)
8	9	1.0	333.0	Yes	5527.0MHz, -61.0dBm	Hop sequence: 5608, 5639, 5251, 5263, 5657, 5562, 5262, 5275, 5678, 5706, 5708, 5376, 5424, 5638, 5342, 5297, 5671, 5677, 5620, 5361, 5437, 5670, 5576, 5341, 5411, 5259, 5281, 5637, 5662, 5491, 5714, 5551, 5693, 5607, 5391, 5384, 5687, 5712, 5450, 5602, 5303, 5331, 5716, 5349, 5589, 5523, 5697, 5280, 5561, 5470, 5724, 5418, 5623, 5439, 5656, 5427, 5663, 5598, 5691, 5302, 5681, 5357, 5458, 5518, 5604, 5503, 5615, 5346, 5719, 5651, 5660, 5461, 5630, 5483, 5273, 5625, 5282, 5475, 5665, 5709, 5700, 5436, 5351, 5502, 5616, 5580, 5593, 5414, 5472, 5489, 5673, 5516, 5319, 5537, 5613, 5726, 5388, 5549, 5703, 5648 (4 hits)
9	9	1.0	333.0	Yes	5528.0MHz, -61.0dBm	Hop sequence: 5299, 5658, 5390, 5541, 5331, 5631, 5323, 5364, 5297, 5472, 5585, 5622, 5456, 5457, 5254, 5497, 5412, 5326, 5687, 5462, 5609, 5277, 5320, 5595, 5432, 5674, 5683, 5252, 5418, 5487, 5694, 5593, 5520, 5504, 5657, 5665, 5564, 5257, 5391, 5440, 5653, 5666, 5433, 5636, 5575, 5339, 5480, 5376, 5315, 5543, 5616, 5586, 5492, 5402, 5275, 5373, 5415, 5393, 5308, 5641, 5294, 5713, 5425, 5350, 5267, 5714, 5430, 5692, 5468, 5703, 5637, 5407, 5540, 5556, 5551, 5394, 5403, 5371, 5561, 5685, 5438, 5707, 5349, 5467, 5620, 5571, 5512, 5258, 5476, 5491, 5341, 5322, 5650, 5328, 5255, 5465, 5538, 5576, 5643, 5525 (7 hits)

Table 149 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
10	9	1.0	333.0	Yes	5529.0MHz, -61.0dBm	Hop sequence: 5658, 5490, 5525, 5335, 5305, 5571, 5670, 5274, 5472, 5395, 5339, 5681, 5321, 5410, 5594, 5451, 5367, 5259, 5684, 5584, 5644, 5254, 5357, 5474, 5588, 5422, 5285, 5618, 5344, 5660, 5363, 5418, 5623, 5369, 5386, 5633, 5581, 5710, 5341, 5493, 5518, 5601, 5273, 5373, 5715, 5559, 5558, 5719, 5436, 5453, 5352, 5641, 5337, 5327, 5419, 5298, 5421, 5583, 5316, 5415, 5512, 5717, 5662, 5551, 5361, 5458, 5411, 5291, 5672, 5360, 5519, 5479, 5515, 5431, 5553, 5636, 5621, 5543, 5438, 5599, 5450, 5530, 5441, 5349, 5685, 5562, 5364, 5456, 5704, 5687, 5611, 5272, 5268, 5485, 5550, 5648, 5680, 5702, 5568, 5693 (7 hits)
11	9	1.0	333.0	Yes	5530.0MHz, -61.0dBm	Hop sequence: 5524, 5638, 5399, 5626, 5552, 5674, 5325, 5659, 5406, 5271, 5375, 5718, 5614, 5515, 5510, 5683, 5355, 5496, 5569, 5720, 5337, 5644, 5280, 5327, 5422, 5261, 5692, 5604, 5725, 5293, 5579, 5619, 5272, 5500, 5490, 5460, 5669, 5721, 5308, 5491, 5575, 5609, 5353, 5466, 5429, 5525, 5678, 5612, 5681, 5473, 5716, 5364, 5302, 5425, 5309, 5593, 5639, 5511, 5430, 5571, 5463, 5446, 5282, 5544, 5351, 5706, 5476, 5634, 5599, 5408, 5508, 5420, 5492, 5440, 5407, 5380, 5530, 5701, 5534, 5472, 5697, 5335, 5605, 5487, 5564, 5369, 5275, 5661, 5346, 5367, 5708, 5433, 5700, 5432, 5531, 5712, 5553, 5656, 5527, 5344 (9 hits)
12	9	1.0	333.0	Yes	5531.0MHz, -61.0dBm	Hop sequence: 5584, 5419, 5268, 5599, 5400, 5351, 5333, 5355, 5624, 5471, 5322, 5290, 5643, 5514, 5594, 5678, 5534, 5440, 5295, 5409, 5574, 5511, 5472, 5664, 5386, 5665, 5538, 5372, 5602, 5657, 5367, 5464, 5437, 5481, 5380, 5483, 5555, 5382, 5288, 5418, 5395, 5373, 5448, 5412, 5713, 5445, 5672, 5265, 5264, 5622, 5608, 5303, 5317, 5451, 5282, 5341, 5682, 5658, 5327, 5698, 5354, 5677, 5340, 5506, 5374, 5569, 5498, 5560, 5292, 5573, 5391, 5704, 5449, 5551, 5307, 5297, 5595, 5690, 5421, 5570, 5254, 5496, 5653, 5432, 5520, 5530, 5309, 5339, 5607, 5659, 5518, 5493, 5257, 5638, 5420, 5457, 5648, 5592, 5462, 5306 (5 hits)
13	9	1.0	333.0	No	5532.0MHz, -61.0dBm	Hop sequence: 5333, 5443, 5275, 5703, 5620, 5572, 5663, 5710, 5485, 5330, 5708, 5494, 5630, 5361, 5661, 5427, 5358, 5647, 5417, 5355, 5307, 5533, 5495, 5357, 5424, 5274, 5565, 5712, 5252, 5709, 5442, 5255, 5272, 5360, 5701, 5260, 5711, 5422, 5611, 5514, 5309, 5288, 5688, 5634, 5328, 5493, 5299, 5397, 5491, 5510, 5523, 5459, 5364, 5629, 5435, 5366, 5383, 5292, 5290, 5587, 5599, 5320, 5285, 5280, 5667, 5616, 5674, 5566, 5464, 5517, 5677, 5591, 5678, 5458, 5406, 5725, 5393, 5650, 5595, 5340, 5691, 5313, 5501, 5603, 5365, 5693, 5394, 5478, 5605, 5648, 5579, 5723, 5324, 5460, 5488, 5628, 5676, 5266, 5518, 5343 (2 hits)
14	9	1.0	333.0	Yes	5533.0MHz, -61.0dBm	Hop sequence: 5414, 5510, 5325, 5377, 5407, 5481, 5626, 5549, 5404, 5439, 5321, 5553, 5334, 5382, 5301, 5565, 5415, 5300, 5438, 5596, 5607, 5705, 5483, 5420, 5671, 5400, 5289, 5516, 5604, 5654, 5486, 5398, 5693, 5361, 5709, 5435, 5355, 5421, 5710, 5347, 5662, 5583, 5554, 5306, 5684, 5611, 5284, 5397, 5485, 5597, 5556, 5430, 5353,

Table 149 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5564, 5540, 5630, 5291, 5349, 5350, 5703, 5513, 5356, 5315, 5670, 5657, 5612, 5563, 5687, 5448, 5680, 5352, 5279, 5327, 5447, 5336, 5387, 5723, 5577, 5264, 5273, 5602, 5399, 5358, 5599, 5655, 5533, 5394, 5659, 5595, 5638, 5681, 5450, 5410, 5428, 5712, 5535, 5581, 5527, 5519, 5706 (8 hits)
15	9	1.0	333.0	Yes	5534.0MHz, -61.0dBm	Hop sequence: 5368, 5254, 5420, 5268, 5567, 5708, 5530, 5673, 5365, 5596, 5713, 5565, 5415, 5520, 5478, 5574, 5305, 5476, 5553, 5392, 5288, 5393, 5412, 5283, 5426, 5488, 5261, 5410, 5666, 5407, 5594, 5486, 5366, 5278, 5319, 5344, 5362, 5433, 5637, 5572, 5669, 5266, 5376, 5531, 5538, 5680, 5438, 5625, 5428, 5328, 5272, 5632, 5281, 5597, 5580, 5649, 5566, 5409, 5452, 5467, 5301, 5672, 5575, 5387, 5260, 5527, 5631, 5373, 5484, 5634, 5429, 5331, 5396, 5494, 5509, 5554, 5284, 5615, 5712, 5628, 5616, 5532, 5698, 5583, 5626, 5474, 5302, 5539, 5416, 5641, 5316, 5310, 5293, 5403, 5683, 5498, 5326, 5400, 5550, 5614 (9 hits)
16	9	1.0	333.0	Yes	5535.0MHz, -61.0dBm	Hop sequence: 5296, 5569, 5428, 5598, 5279, 5481, 5568, 5673, 5692, 5430, 5386, 5488, 5666, 5678, 5353, 5451, 5545, 5265, 5490, 5619, 5558, 5528, 5437, 5604, 5665, 5416, 5571, 5541, 5725, 5691, 5489, 5712, 5492, 5659, 5573, 5320, 5383, 5701, 5539, 5497, 5634, 5484, 5313, 5458, 5507, 5444, 5548, 5629, 5655, 5418, 5395, 5393, 5602, 5485, 5414, 5374, 5392, 5562, 5350, 5375, 5456, 5615, 5491, 5636, 5566, 5363, 5508, 5551, 5483, 5617, 5581, 5498, 5711, 5720, 5262, 5400, 5434, 5510, 5440, 5382, 5405, 5294, 5578, 5690, 5436, 5601, 5542, 5346, 5594, 5385, 5368, 5576, 5275, 5482, 5338, 5417, 5399, 5321, 5373, 5356 (8 hits)
17	9	1.0	333.0	Yes	5536.0MHz, -61.0dBm	Hop sequence: 5401, 5695, 5678, 5701, 5500, 5454, 5273, 5375, 5562, 5475, 5537, 5269, 5288, 5720, 5699, 5362, 5693, 5393, 5399, 5430, 5634, 5617, 5709, 5459, 5621, 5481, 5514, 5715, 5667, 5622, 5580, 5682, 5721, 5582, 5581, 5637, 5495, 5594, 5415, 5478, 5661, 5662, 5613, 5309, 5497, 5410, 5313, 5318, 5624, 5353, 5590, 5526, 5572, 5615, 5638, 5452, 5455, 5265, 5458, 5325, 5474, 5503, 5698, 5524, 5407, 5476, 5560, 5386, 5293, 5694, 5289, 5487, 5264, 5383, 5723, 5488, 5457, 5466, 5639, 5322, 5419, 5600, 5534, 5378, 5629, 5563, 5683, 5333, 5275, 5681, 5354, 5559, 5553, 5376, 5295, 5382, 5628, 5648, 5547, 5390 (6 hits)
18	9	1.0	333.0	Yes	5537.0MHz, -61.0dBm	Hop sequence: 5277, 5297, 5268, 5329, 5488, 5477, 5270, 5659, 5464, 5500, 5251, 5402, 5681, 5694, 5534, 5606, 5666, 5310, 5253, 5256, 5498, 5522, 5552, 5408, 5368, 5492, 5496, 5561, 5367, 5295, 5340, 5678, 5574, 5515, 5457, 5597, 5562, 5366, 5374, 5386, 5327, 5384, 5609, 5557, 5669, 5407, 5592, 5414, 5662, 5392, 5328, 5304, 5511, 5259, 5341, 5273, 5276, 5415, 5672, 5691, 5420, 5441, 5309, 5426, 5360, 5693, 5712, 5267, 5664, 5330, 5257, 5319, 5629, 5579, 5608, 5316, 5474, 5493, 5419, 5317, 5409, 5376, 5532, 5588, 5710, 5410, 5280, 5686, 5431, 5380, 5556, 5610, 5708, 5269, 5564, 5702, 5545, 5387, 5676, 5530 (8 hits)
19	9	1.0	333.0	Yes	5538.0MHz,	Hop sequence: 5668, 5278, 5543, 5286,

Table 149 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-61.0dBm	5717, 5555, 5283, 5284, 5674, 5281, 5647, 5582, 5569, 5399, 5722, 5321, 5393, 5666, 5302, 5627, 5362, 5432, 5592, 5708, 5673, 5686, 5328, 5570, 5660, 5707, 5473, 5451, 5463, 5459, 5350, 5489, 5513, 5533, 5541, 5608, 5317, 5562, 5429, 5662, 5395, 5366, 5502, 5683, 5477, 5478, 5542, 5337, 5448, 5658, 5655, 5522, 5628, 5272, 5372, 5424, 5444, 5611, 5581, 5530, 5402, 5419, 5654, 5576, 5671, 5714, 5351, 5438, 5694, 5517, 5470, 5520, 5486, 5626, 5650, 5556, 5523, 5587, 5476, 5600, 5269, 5308, 5299, 5346, 5509, 5370, 5340, 5705, 5696, 5422, 5648, 5456, 5482, 5645, 5435, 5687 (9 hits)
20	9	1.0	333.0	Yes	5539.0MHz, -61.0dBm	Hop sequence: 5484, 5520, 5645, 5654, 5370, 5490, 5298, 5306, 5546, 5544, 5725, 5651, 5620, 5407, 5409, 5616, 5468, 5658, 5404, 5291, 5266, 5664, 5702, 5352, 5480, 5485, 5430, 5703, 5386, 5713, 5551, 5557, 5455, 5559, 5336, 5312, 5383, 5268, 5655, 5339, 5356, 5419, 5684, 5274, 5380, 5428, 5261, 5532, 5317, 5661, 5309, 5482, 5692, 5373, 5687, 5337, 5347, 5561, 5397, 5569, 5295, 5476, 5427, 5693, 5686, 5272, 5304, 5461, 5542, 5541, 5712, 5549, 5614, 5488, 5696, 5368, 5340, 5717, 5250, 5516, 5333, 5625, 5415, 5276, 5637, 5297, 5389, 5666, 5639, 5331, 5497, 5258, 5262, 5629, 5400, 5707, 5253, 5357, 5303, 5641 (8 hits)
21	9	1.0	333.0	Yes	5540.0MHz, -61.0dBm	Hop sequence: 5686, 5405, 5298, 5526, 5304, 5669, 5568, 5648, 5424, 5682, 5580, 5461, 5583, 5341, 5712, 5657, 5434, 5687, 5666, 5632, 5484, 5345, 5433, 5555, 5251, 5265, 5532, 5467, 5280, 5296, 5274, 5702, 5350, 5305, 5413, 5436, 5503, 5384, 5561, 5619, 5664, 5493, 5562, 5448, 5604, 5600, 5380, 5303, 5431, 5589, 5578, 5338, 5452, 5371, 5671, 5541, 5485, 5455, 5389, 5355, 5255, 5422, 5544, 5383, 5525, 5462, 5322, 5317, 5581, 5302, 5693, 5518, 5500, 5499, 5685, 5719, 5646, 5679, 5531, 5411, 5720, 5469, 5488, 5540, 5501, 5361, 5458, 5312, 5324, 5333, 5471, 5269, 5538, 5393, 5498, 5587, 5542, 5584, 5681, 5625 (10 hits)
22	9	1.0	333.0	Yes	5541.0MHz, -61.0dBm	Hop sequence: 5256, 5283, 5454, 5664, 5686, 5312, 5335, 5465, 5315, 5701, 5379, 5583, 5359, 5366, 5265, 5323, 5331, 5538, 5446, 5544, 5474, 5412, 5596, 5565, 5369, 5712, 5571, 5334, 5302, 5693, 5463, 5269, 5580, 5622, 5365, 5714, 5585, 5404, 5275, 5311, 5430, 5709, 5663, 5360, 5688, 5718, 5615, 5354, 5637, 5638, 5497, 5351, 5431, 5515, 5717, 5492, 5549, 5310, 5356, 5529, 5326, 5281, 5639, 5299, 5563, 5480, 5329, 5386, 5699, 5666, 5661, 5453, 5392, 5597, 5554, 5607, 5536, 5650, 5393, 5383, 5417, 5292, 5680, 5409, 5631, 5681, 5459, 5502, 5668, 5691, 5710, 5345, 5254, 5687, 5358, 5373, 5711, 5553, 5401, 5258 (7 hits)
23	9	1.0	333.0	Yes	5542.0MHz, -61.0dBm	Hop sequence: 5290, 5405, 5507, 5687, 5686, 5696, 5318, 5620, 5521, 5587, 5271, 5391, 5403, 5263, 5363, 5440, 5525, 5677, 5302, 5692, 5500, 5401, 5571, 5605, 5340, 5609, 5468, 5380, 5680, 5495, 5563, 5315, 5430, 5434, 5578, 5520, 5383, 5470, 5304, 5534, 5379, 5439, 5255, 5665, 5543, 5582, 5472, 5446, 5627, 5354, 5604, 5268, 5276, 5615, 5546, 5300, 5420, 5428, 5498, 5463,

Table 149 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5416, 5708, 5486, 5497, 5586, 5504, 5585, 5641, 5349, 5591, 5703, 5378, 5597, 5373, 5601, 5343, 5411, 5267, 5596, 5264, 5522, 5577, 5612, 5386, 5664, 5702, 5640, 5583, 5402, 5287, 5614, 5653, 5368, 5369, 5679, 5429, 5690, 5629, 5719, 5695 (5 hits)
24	9	1.0	333.0	Yes	5543.0MHz, -61.0dBm	Hop sequence: 5300, 5401, 5302, 5550, 5319, 5346, 5666, 5483, 5661, 5695, 5343, 5682, 5692, 5534, 5674, 5428, 5538, 5491, 5349, 5603, 5700, 5293, 5681, 5525, 5416, 5644, 5424, 5468, 5503, 5469, 5453, 5596, 5706, 5645, 5561, 5390, 5507, 5383, 5636, 5443, 5288, 5552, 5709, 5376, 5252, 5509, 5263, 5559, 5589, 5384, 5292, 5294, 5702, 5653, 5351, 5546, 5568, 5275, 5710, 5693, 5370, 5578, 5629, 5445, 5634, 5609, 5557, 5721, 5456, 5348, 5526, 5679, 5485, 5419, 5543, 5585, 5432, 5375, 5400, 5626, 5333, 5639, 5430, 5316, 5720, 5354, 5715, 5575, 5698, 5672, 5323, 5498, 5318, 5592, 5540, 5266, 5435, 5622, 5478, 5685 (10 hits)
25	9	1.0	333.0	Yes	5544.0MHz, -61.0dBm	Hop sequence: 5449, 5470, 5317, 5479, 5265, 5511, 5623, 5577, 5277, 5336, 5477, 5354, 5312, 5301, 5307, 5252, 5328, 5304, 5431, 5396, 5352, 5622, 5380, 5578, 5445, 5524, 5601, 5395, 5400, 5593, 5582, 5290, 5610, 5343, 5323, 5715, 5418, 5574, 5677, 5564, 5257, 5697, 5492, 5409, 5591, 5367, 5440, 5298, 5724, 5565, 5374, 5429, 5668, 5690, 5392, 5714, 5634, 5518, 5717, 5580, 5341, 5455, 5510, 5365, 5331, 5419, 5371, 5654, 5682, 5501, 5584, 5559, 5375, 5706, 5401, 5686, 5275, 5291, 5655, 5721, 5335, 5660, 5292, 5383, 5534, 5305, 5575, 5560, 5531, 5512, 5282, 5694, 5369, 5609, 5422, 5674, 5340, 5436, 5472, 5719 (3 hits)
26	9	1.0	333.0	Yes	5545.0MHz, -61.0dBm	Hop sequence: 5313, 5453, 5690, 5305, 5621, 5391, 5576, 5269, 5397, 5365, 5562, 5530, 5455, 5267, 5504, 5719, 5516, 5446, 5468, 5399, 5334, 5515, 5654, 5390, 5257, 5312, 5675, 5407, 5506, 5457, 5703, 5466, 5547, 5369, 5432, 5699, 5383, 5337, 5498, 5331, 5378, 5495, 5354, 5611, 5287, 5692, 5311, 5626, 5558, 5426, 5255, 5327, 5377, 5491, 5503, 5577, 5282, 5686, 5465, 5656, 5538, 5681, 5661, 5440, 5610, 5436, 5643, 5314, 5549, 5571, 5520, 5677, 5260, 5568, 5380, 5629, 5293, 5353, 5330, 5631, 5494, 5508, 5613, 5608, 5642, 5452, 5253, 5279, 5527, 5398, 5649, 5320, 5351, 5364, 5657, 5301, 5463, 5679, 5524, 5447 (7 hits)
27	9	1.0	333.0	No	5546.0MHz, -61.0dBm	Hop sequence: 5556, 5565, 5433, 5299, 5595, 5502, 5352, 5339, 5285, 5626, 5312, 5252, 5629, 5605, 5533, 5577, 5388, 5523, 5510, 5419, 5465, 5602, 5696, 5561, 5679, 5451, 5430, 5702, 5506, 5647, 5302, 5586, 5387, 5663, 5639, 5258, 5345, 5487, 5278, 5276, 5724, 5553, 5685, 5427, 5369, 5267, 5326, 5464, 5566, 5693, 5593, 5706, 5394, 5303, 5628, 5459, 5681, 5446, 5262, 5323, 5253, 5682, 5676, 5659, 5353, 5360, 5269, 5514, 5675, 5416, 5567, 5488, 5337, 5579, 5695, 5317, 5596, 5429, 5453, 5362, 5431, 5644, 5344, 5563, 5686, 5707, 5490, 5658, 5456, 5511, 5461, 5624, 5423, 5669, 5361, 5401, 5725, 5503, 5438, 5691 (4 hits)
28	9	1.0	333.0	Yes	5547.0MHz, -61.0dBm	Hop sequence: 5624, 5338, 5555, 5346, 5629, 5507, 5661, 5429, 5653, 5528, 5413,

Table 149 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5504, 5588, 5615, 5636, 5686, 5275, 5298, 5333, 5600, 5658, 5452, 5428, 5331, 5380, 5501, 5503, 5511, 5526, 5721, 5484, 5602, 5252, 5386, 5519, 5320, 5581, 5717, 5569, 5649, 5408, 5383, 5349, 5655, 5316, 5397, 5291, 5704, 5656, 5617, 5527, 5435, 5642, 5713, 5356, 5369, 5540, 5306, 5288, 5314, 5709, 5618, 5287, 5505, 5360, 5513, 5578, 5590, 5571, 5351, 5255, 5460, 5402, 5322, 5445, 5266, 5506, 5724, 5695, 5458, 5551, 5256, 5415, 5633, 5722, 5542, 5472, 5437, 5538, 5552, 5323, 5616, 5341, 5442, 5357, 5541, 5377, 5465, 5448, 5662 (10 hits)
29	9	1.0	333.0	Yes	5548.0MHz, -61.0dBm	Hop sequence: 5273, 5516, 5669, 5448, 5464, 5506, 5300, 5607, 5258, 5686, 5452, 5681, 5530, 5475, 5657, 5438, 5303, 5416, 5332, 5328, 5385, 5282, 5449, 5373, 5422, 5315, 5546, 5569, 5285, 5309, 5571, 5463, 5562, 5594, 5480, 5458, 5617, 5659, 5511, 5256, 5524, 5262, 5411, 5319, 5713, 5390, 5528, 5495, 5678, 5622, 5407, 5339, 5535, 5317, 5312, 5563, 5709, 5431, 5405, 5469, 5512, 5280, 5472, 5260, 5399, 5633, 5660, 5717, 5423, 5342, 5704, 5418, 5631, 5441, 5259, 5345, 5359, 5478, 5694, 5597, 5257, 5499, 5304, 5610, 5294, 5287, 5389, 5445, 5420, 5677, 5283, 5265, 5446, 5618, 5444, 5333, 5378, 5611, 5560, 5621 (5 hits)
30	9	1.0	333.0	Yes	5549.0MHz, -61.0dBm	Hop sequence: 5449, 5713, 5369, 5609, 5666, 5496, 5470, 5302, 5557, 5315, 5279, 5642, 5568, 5616, 5716, 5265, 5587, 5625, 5375, 5359, 5366, 5718, 5626, 5368, 5581, 5518, 5690, 5631, 5582, 5681, 5347, 5573, 5514, 5525, 5380, 5707, 5579, 5324, 5533, 5679, 5615, 5520, 5440, 5711, 5281, 5406, 5358, 5545, 5428, 5723, 5700, 5297, 5408, 5334, 5622, 5490, 5670, 5402, 5407, 5252, 5400, 5398, 5664, 5306, 5455, 5570, 5396, 5539, 5680, 5493, 5515, 5471, 5272, 5682, 5365, 5500, 5721, 5311, 5460, 5457, 5417, 5313, 5578, 5610, 5462, 5614, 5547, 5305, 5529, 5451, 5637, 5264, 5598, 5304, 5299, 5505, 5536, 5571, 5310, 5594 (8 hits)
31	9	1.0	333.0	Yes	5550.0MHz, -61.0dBm	Hop sequence: 5446, 5569, 5687, 5374, 5646, 5358, 5438, 5380, 5294, 5678, 5683, 5408, 5376, 5514, 5329, 5464, 5713, 5636, 5680, 5530, 5391, 5387, 5556, 5405, 5718, 5398, 5708, 5315, 5295, 5581, 5525, 5709, 5617, 5505, 5673, 5715, 5699, 5355, 5372, 5690, 5648, 5392, 5447, 5359, 5454, 5255, 5332, 5251, 5279, 5418, 5488, 5540, 5375, 5592, 5401, 5483, 5559, 5608, 5686, 5562, 5388, 5657, 5321, 5379, 5516, 5649, 5330, 5685, 5545, 5313, 5546, 5311, 5567, 5703, 5623, 5322, 5671, 5704, 5289, 5658, 5644, 5354, 5441, 5312, 5692, 5396, 5437, 5714, 5435, 5320, 5479, 5459, 5582, 5501, 5346, 5286, 5565, 5431, 5588, 5442 (6 hits)
32	9	1.0	333.0	Yes	5551.0MHz, -61.0dBm	Hop sequence: 5590, 5671, 5631, 5402, 5394, 5674, 5635, 5486, 5295, 5444, 5392, 5356, 5482, 5309, 5673, 5564, 5373, 5560, 5689, 5699, 5528, 5676, 5269, 5530, 5662, 5371, 5552, 5697, 5616, 5374, 5711, 5576, 5603, 5642, 5255, 5410, 5554, 5479, 5663, 5396, 5353, 5681, 5519, 5379, 5397, 5254, 5718, 5412, 5545, 5695, 5569, 5693, 5511, 5721, 5578, 5330, 5436, 5310, 5335, 5298, 5381, 5591, 5424, 5340, 5409, 5580, 5279,

Table 149 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5280, 5351, 5636, 5488, 5565, 5491, 5690, 5510, 5646, 5483, 5514, 5454, 5712, 5541, 5686, 5557, 5345, 5680, 5445, 5440, 5594, 5357, 5415, 5258, 5584, 5369, 5378, 5390, 5503, 5320, 5337, 5251, 5439 (7 hits)
33	9	1.0	333.0	Yes	5552.0MHz, -61.0dBm	Hop sequence: 5335, 5517, 5448, 5649, 5618, 5372, 5450, 5271, 5383, 5391, 5437, 5675, 5720, 5668, 5493, 5292, 5502, 5380, 5470, 5549, 5504, 5416, 5579, 5694, 5441, 5697, 5546, 5413, 5538, 5718, 5545, 5520, 5365, 5319, 5559, 5487, 5658, 5714, 5326, 5341, 5665, 5405, 5446, 5705, 5295, 5556, 5620, 5293, 5659, 5638, 5392, 5355, 5283, 5472, 5414, 5542, 5503, 5346, 5358, 5257, 5287, 5645, 5491, 5453, 5526, 5537, 5324, 5420, 5466, 5523, 5281, 5259, 5447, 5585, 5639, 5474, 5701, 5533, 5607, 5327, 5723, 5631, 5440, 5541, 5386, 5275, 5382, 5396, 5285, 5294, 5593, 5357, 5394, 5480, 5615, 5455, 5633, 5438, 5398, 5599 (11 hits)
34	9	1.0	333.0	Yes	5553.0MHz, -61.0dBm	Hop sequence: 5724, 5323, 5421, 5539, 5519, 5706, 5600, 5574, 5264, 5670, 5709, 5547, 5684, 5356, 5512, 5631, 5254, 5492, 5520, 5360, 5327, 5618, 5378, 5486, 5569, 5616, 5554, 5485, 5713, 5712, 5689, 5723, 5309, 5716, 5301, 5313, 5418, 5256, 5577, 5339, 5388, 5394, 5696, 5412, 5619, 5649, 5503, 5550, 5364, 5694, 5551, 5646, 5302, 5553, 5517, 5311, 5622, 5251, 5657, 5545, 5353, 5672, 5542, 5680, 5591, 5427, 5565, 5669, 5530, 5434, 5454, 5513, 5250, 5673, 5318, 5484, 5601, 5441, 5438, 5287, 5330, 5389, 5558, 5423, 5522, 5478, 5654, 5644, 5463, 5603, 5624, 5445, 5307, 5608, 5665, 5312, 5471, 5269, 5433, 5293 (11 hits)
35	9	1.0	333.0	Yes	5554.0MHz, -61.0dBm	Hop sequence: 5703, 5568, 5666, 5482, 5524, 5369, 5514, 5705, 5351, 5314, 5284, 5468, 5638, 5305, 5520, 5681, 5601, 5338, 5471, 5558, 5562, 5634, 5678, 5488, 5669, 5276, 5331, 5616, 5382, 5301, 5336, 5563, 5378, 5292, 5590, 5692, 5710, 5269, 5411, 5478, 5517, 5546, 5300, 5434, 5615, 5722, 5403, 5252, 5475, 5424, 5396, 5595, 5564, 5624, 5686, 5435, 5433, 5597, 5672, 5385, 5271, 5502, 5327, 5538, 5531, 5720, 5323, 5439, 5688, 5551, 5574, 5544, 5349, 5690, 5682, 5680, 5641, 5519, 5372, 5405, 5658, 5420, 5505, 5288, 5508, 5527, 5583, 5518, 5371, 5725, 5298, 5461, 5390, 5501, 5322, 5614, 5662, 5275, 5724, 5721 (8 hits)
36	9	1.0	333.0	Yes	5555.0MHz, -61.0dBm	Hop sequence: 5528, 5558, 5447, 5531, 5581, 5289, 5499, 5512, 5498, 5350, 5648, 5483, 5333, 5509, 5549, 5320, 5276, 5694, 5343, 5662, 5298, 5524, 5570, 5544, 5277, 5537, 5406, 5476, 5383, 5490, 5507, 5583, 5622, 5369, 5417, 5425, 5688, 5416, 5366, 5267, 5472, 5557, 5717, 5697, 5467, 5346, 5349, 5505, 5295, 5407, 5484, 5605, 5465, 5481, 5360, 5388, 5519, 5299, 5647, 5435, 5712, 5643, 5269, 5315, 5679, 5606, 5520, 5262, 5452, 5564, 5338, 5590, 5701, 5455, 5336, 5623, 5556, 5466, 5500, 5265, 5474, 5600, 5473, 5525, 5716, 5541, 5434, 5294, 5396, 5489, 5487, 5550, 5257, 5720, 5468, 5422, 5303, 5705, 5614, 5698 (12 hits)
37	9	1.0	333.0	Yes	5556.0MHz, -61.0dBm	Hop sequence: 5269, 5547, 5544, 5311, 5284, 5445, 5634, 5394, 5369, 5683, 5499, 5325, 5603, 5395, 5712, 5579, 5367, 5606,

Table 149 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire HF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5312, 5493, 5304, 5459, 5255, 5491, 5419, 5588, 5529, 5483, 5509, 5275, 5264, 5677, 5484, 5435, 5361, 5448, 5256, 5440, 5527, 5257, 5674, 5665, 5449, 5654, 5454, 5572, 5380, 5473, 5695, 5302, 5565, 5688, 5407, 5653, 5417, 5658, 5587, 5392, 5660, 5263, 5307, 5352, 5476, 5398, 5644, 5431, 5620, 5378, 5370, 5401, 5684, 5570, 5645, 5251, 5550, 5705, 5571, 5333, 5504, 5580, 5357, 5669, 5648, 5596, 5700, 5322, 5592, 5446, 5406, 5541, 5539, 5355, 5549, 5561, 5675, 5453, 5429, 5314, 5475, 5295 (8 hits)

Table 150 - Long Sequence Waveform Summary 40MHz NU CU Acquire HF		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5540.0MHz, -61.0dBm
Trial #2	Detected	5535.0MHz, -61.0dBm
Trial #3	Detected	5530.0MHz, -61.0dBm
Trial #4	Detected	5550.0MHz, -61.0dBm
Trial #5	Detected	5545.0MHz, -61.0dBm
Trial #6	Detected	5540.0MHz, -61.0dBm
Trial #7	Detected	5535.0MHz, -61.0dBm
Trial #8	Detected	5530.0MHz, -61.0dBm
Trial #9	Detected	5550.0MHz, -61.0dBm
Trial #10	Detected	5545.0MHz, -61.0dBm
Trial #11	Detected	5540.0MHz, -61.0dBm
Trial #12	NOT Detected	5535.0MHz, -61.0dBm
Trial #13	Detected	5530.0MHz, -61.0dBm
Trial #14	Detected	5550.0MHz, -61.0dBm
Trial #15	Detected	5545.0MHz, -61.0dBm
Trial #16	Detected	5540.0MHz, -61.0dBm
Trial #17	Detected	5535.0MHz, -61.0dBm
Trial #18	Detected	5530.0MHz, -61.0dBm
Trial #19	Detected	5550.0MHz, -61.0dBm
Trial #20	Detected	5545.0MHz, -61.0dBm
Trial #21	Detected	5540.0MHz, -61.0dBm
Trial #22	Detected	5535.0MHz, -61.0dBm
Trial #23	Detected	5530.0MHz, -61.0dBm
Trial #24	Detected	5550.0MHz, -61.0dBm
Trial #25	Detected	5545.0MHz, -61.0dBm
Trial #26	Detected	5540.0MHz, -61.0dBm
Trial #27	Detected	5535.0MHz, -61.0dBm
Trial #28	Detected	5530.0MHz, -61.0dBm
Trial #29	Detected	5550.0MHz, -61.0dBm
Trial #30	Detected	5545.0MHz, -61.0dBm

Table 151 - Long Sequence Waveform Trial#1 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	52.4	15	1378.0	-	0.302893
2	2	51.2	7	1309.0	-	1.571413
3	2	68.6	19	1801.0	-	2.310247
4	3	82.1	12	1545.0	1942.0	2.713422
5	2	99.1	9	1412.0	-	3.567612
6	2	98.0	12	1489.0	-	4.690195
7	1	87.1	11	-	-	5.544754
8	2	58.3	10	1869.0	-	6.354010
9	3	60.9	16	1319.0	1068.0	6.562197
10	3	73.6	15	1506.0	1003.0	7.874852
11	2	82.9	14	1454.0	-	8.790140
12	2	54.4	18	1650.0	-	9.274759
13	3	63.9	6	1039.0	1546.0	9.706572
14	2	50.3	7	1465.0	-	10.599134
15	3	80.5	13	1226.0	1122.0	11.590726

Table 152 - Long Sequence Waveform Trial#2 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	72.0	14	1954.0	1508.0	0.129754
2	1	63.2	6	-	-	1.539624
3	2	74.5	6	1840.0	-	2.128434
4	3	95.0	13	1880.0	1835.0	3.132889
5	1	76.2	11	-	-	3.761328
6	2	94.5	12	1550.0	-	4.301414
7	1	50.9	6	-	-	5.446740
8	2	60.2	15	1784.0	-	5.662183
9	2	81.4	15	1267.0	-	6.905240
10	2	57.1	6	1506.0	-	7.314842
11	2	51.7	8	1416.0	-	8.157800
12	3	85.0	19	1576.0	1470.0	9.479034
13	2	63.1	5	1420.0	-	9.623244
14	2	61.1	14	1544.0	-	10.792208
15	1	68.1	13	-	-	11.682989

Table 153 - Long Sequence Waveform Trial#3 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.9	12	1498.0	-	0.547423
2	1	64.4	7	-	-	2.339799
3	2	77.6	8	1740.0	-	2.798003
4	1	61.7	13	-	-	4.138927
5	3	75.8	6	1619.0	1145.0	5.603231
6	1	79.5	18	-	-	7.170727
7	2	57.3	15	1786.0	-	8.374479
8	2	63.2	15	1427.0	-	9.407770
9	2	71.8	9	1875.0	-	11.087178

Table 154 - Long Sequence Waveform Trial#4 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	80.3	17	1839.0	1998.0	0.218430
2	2	76.8	12	1852.0	-	1.108988
3	3	66.6	20	1171.0	1098.0	1.504577
4	1	94.7	16	-	-	2.446941
5	2	98.0	16	1408.0	-	3.633323
6	1	95.0	20	-	-	3.819979
7	2	84.0	20	1529.0	-	4.953890
8	2	72.4	17	1749.0	-	5.356375
9	2	99.4	18	1437.0	-	6.549039
10	2	91.5	7	1447.0	-	7.367526
11	1	64.8	14	-	-	7.554753
12	2	92.2	19	1273.0	-	8.909312
13	2	62.5	6	1385.0	-	9.213355
14	2	96.7	6	1066.0	-	9.832909
15	1	96.1	9	-	-	10.728985
16	1	55.7	8	-	-	11.823364

Table 155 - Long Sequence Waveform Trial#5 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	57.3	12	1956.0	1663.0	0.154774
2	2	64.9	9	1969.0	-	1.557508
3	3	87.5	16	1155.0	1855.0	2.165723
4	2	86.2	12	1196.0	-	3.098802
5	2	88.3	5	1257.0	-	4.466454
6	2	81.7	11	1084.0	-	5.685506
7	3	51.9	14	1136.0	1807.0	6.119660
8	3	65.7	17	1409.0	1951.0	7.319464
9	2	97.6	13	1687.0	-	8.185127
10	3	59.0	6	1513.0	1468.0	9.461195
11	1	76.8	16	-	-	10.882747
12	1	63.3	19	-	-	11.627606

Table 156 - Long Sequence Waveform Trial#6 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	51.8	11	1230.0	-	0.855853
2	1	93.1	13	-	-	1.291540
3	1	50.2	17	-	-	2.526842
4	1	96.5	15	-	-	3.035621
5	2	82.0	8	1366.0	-	4.013004
6	2	67.0	19	1269.0	-	5.314103
7	3	51.6	12	1071.0	1764.0	6.319381
8	2	85.4	7	1049.0	-	7.059763
9	2	57.6	10	1699.0	-	8.319189
10	1	57.5	19	-	-	9.257721
11	2	51.7	7	1578.0	-	10.575975
12	2	98.7	14	1492.0	-	11.196007

Table 157 - Long Sequence Waveform Trial#7 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	91.4	13	1317.0	1389.0	0.290593
2	2	92.9	8	1397.0	-	0.688731
3	1	85.0	13	-	-	1.341128
4	1	69.4	19	-	-	1.955277
5	3	81.8	12	1720.0	1728.0	2.950789
6	1	94.1	19	-	-	3.401502
7	2	82.0	6	1927.0	-	3.649602
8	2	68.1	18	1982.0	-	4.356617
9	1	82.6	8	-	-	5.068743
10	2	57.7	16	1355.0	-	5.995243
11	3	70.7	5	1550.0	1843.0	6.061782
12	3	63.1	11	1782.0	1164.0	6.931722
13	1	90.0	12	-	-	7.468491
14	3	52.5	15	1178.0	1185.0	8.020389
15	1	71.0	14	-	-	8.920158
16	1	55.8	7	-	-	9.232584
17	1	80.6	11	-	-	9.885893
18	2	65.5	5	1693.0	-	10.623535
19	1	52.5	9	-	-	11.159447
20	1	82.4	20	-	-	11.414556

Table 158 - Long Sequence Waveform Trial#8 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	60.6	19	1054.0	-	0.248015
2	3	86.6	14	1866.0	1868.0	1.356596
3	2	92.8	7	1659.0	-	2.107349
4	1	69.7	9	-	-	2.413112
5	3	97.2	16	1348.0	1176.0	3.117110
6	1	70.5	19	-	-	4.066636
7	2	82.8	9	1386.0	-	4.514603
8	3	56.6	8	1481.0	1483.0	5.666563
9	1	84.4	13	-	-	6.619361
10	3	70.8	8	1512.0	1856.0	7.078784
11	1	92.6	14	-	-	7.924475
12	2	50.9	14	1015.0	-	8.631877
13	2	77.7	14	1590.0	-	9.609213
14	1	94.4	17	-	-	10.077675
15	2	58.5	6	1799.0	-	10.771987
16	2	75.6	8	1826.0	-	11.463463

Table 159 - Long Sequence Waveform Trial#9 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	98.9	17	1199.0	-	0.349201
2	1	90.5	15	-	-	0.648711
3	1	50.2	16	-	-	1.436485
4	1	89.5	5	-	-	2.008548
5	2	55.8	18	1326.0	-	2.539321
6	1	71.2	20	-	-	3.760317
7	2	96.3	14	1020.0	-	3.948182
8	3	90.3	14	1842.0	1905.0	4.952093
9	2	63.3	10	1085.0	-	5.470961
10	2	54.6	13	1229.0	-	6.265325
11	2	89.0	15	1662.0	-	6.412771
12	2	78.3	14	1824.0	-	7.273324
13	2	55.6	9	1731.0	-	7.771376
14	3	86.2	6	1856.0	1109.0	8.432599
15	3	73.3	7	1063.0	1060.0	8.939580
16	3	89.3	14	1311.0	1466.0	9.860427
17	3	60.1	9	1490.0	1431.0	10.581729
18	2	50.2	8	1670.0	-	11.091063
19	2	71.5	7	1809.0	-	11.454981

Table 160 - Long Sequence Waveform Trial#10 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	62.7	14	1510.0	1152.0	0.328643
2	2	61.1	13	1305.0	-	1.225572
3	2	87.9	10	1085.0	-	1.597638
4	3	59.5	11	1811.0	1535.0	2.478985
5	1	56.3	13	-	-	2.757119
6	2	56.3	11	1083.0	-	3.491169
7	3	77.6	14	1246.0	1879.0	4.352808
8	3	83.6	16	1387.0	1283.0	5.328334
9	3	87.5	17	1885.0	1368.0	5.804997
10	2	66.6	15	1059.0	-	6.098133
11	1	76.9	18	-	-	6.897275
12	3	68.0	10	1055.0	1193.0	7.425169
13	2	58.6	7	1150.0	-	8.242255
14	2	78.3	17	1316.0	-	9.165614
15	2	86.2	7	1576.0	-	9.556717
16	3	58.3	19	1941.0	1207.0	10.093589
17	2	86.0	9	1391.0	-	10.728263
18	2	59.5	14	1862.0	-	11.938620

Table 161 - Long Sequence Waveform Trial#11 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	99.7	12	-	-	0.677452
2	2	68.2	15	1014.0	-	1.047524
3	2	72.3	10	1222.0	-	1.703097
4	2	51.7	9	1701.0	-	2.265970
5	2	88.8	19	1619.0	-	3.453234
6	3	72.6	8	1196.0	1187.0	3.909655
7	3	62.2	17	1220.0	1500.0	4.366477
8	2	97.1	9	1940.0	-	5.461621
9	2	79.0	8	1951.0	-	6.216791
10	3	65.4	10	1357.0	1641.0	6.516247
11	1	56.8	16	-	-	7.728837
12	1	77.2	18	-	-	8.196423
13	1	73.6	11	-	-	8.715192
14	1	85.9	18	-	-	9.870460
15	2	75.3	8	1209.0	-	10.314906
16	2	91.5	15	1066.0	-	11.208966
17	2	56.7	13	1359.0	-	11.631196

Table 162 - Long Sequence Waveform Trial#12 (NOT Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	89.5	6	1132.0	-	0.708667
2	3	59.8	11	1657.0	1801.0	2.665684
3	2	97.9	7	1920.0	-	4.184168
4	2	83.0	14	1317.0	-	5.099251
5	2	84.4	17	1583.0	-	7.467863
6	2	52.5	18	1998.0	-	8.132497
7	2	57.1	15	1661.0	-	9.273415
8	2	57.9	12	1484.0	-	10.735437

Table 163 - Long Sequence Waveform Trial#13 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	97.4	16	1115.0	-	0.162338
2	3	50.6	10	1616.0	1205.0	1.189472
3	2	98.7	19	1508.0	-	3.031081
4	2	92.4	16	1380.0	-	3.792617
5	2	70.9	14	1678.0	-	4.628928
6	2	64.5	11	1088.0	-	5.840491
7	2	80.9	8	1216.0	-	6.577113
8	2	51.7	5	2000.0	-	7.837805
9	2	51.6	6	1430.0	-	9.576235
10	3	96.4	16	1531.0	1518.0	9.947822
11	3	65.0	11	1949.0	1844.0	11.226998

Table 164 - Long Sequence Waveform Trial#14 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	74.8	11	-	-	1.309778
2	2	79.8	11	1759.0	-	2.427054
3	3	72.6	17	1181.0	1194.0	3.497327
4	3	54.2	8	1144.0	1439.0	4.176871
5	2	78.2	12	1409.0	-	5.590979
6	1	94.4	15	-	-	7.567165
7	2	96.6	20	1127.0	-	8.810472
8	3	72.9	13	1247.0	1070.0	9.854997
9	2	92.4	12	1329.0	-	11.770275

Table 165 - Long Sequence Waveform Trial#15 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	85.5	11	1863.0	1106.0	0.823307
2	3	51.0	13	1262.0	1634.0	1.502248
3	3	72.5	10	1867.0	1542.0	2.760580
4	1	99.3	5	-	-	3.941754
5	1	95.5	15	-	-	5.415979
6	3	93.8	5	1762.0	1338.0	6.323392
7	2	71.4	10	1476.0	-	7.158704
8	3	62.8	20	1886.0	1279.0	7.795031
9	3	85.8	17	1880.0	1528.0	9.256933
10	2	60.7	13	1007.0	-	10.616934
11	3	53.7	7	1866.0	1755.0	11.207594

Table 166 - Long Sequence Waveform Trial#16 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	68.0	9	1256.0	1239.0	0.140624
2	1	63.6	19	-	-	1.206590
3	2	73.4	8	1457.0	-	1.974442
4	1	77.3	15	-	-	2.913074
5	2	63.0	11	1099.0	-	3.525130
6	2	90.5	14	1002.0	-	4.397416
7	2	97.7	15	1082.0	-	5.200708
8	2	54.3	10	1778.0	-	6.167313
9	1	93.1	12	-	-	6.435262
10	2	60.0	11	1534.0	-	7.852763
11	2	78.1	10	1186.0	-	8.017790
12	2	85.3	12	1887.0	-	8.941718
13	2	58.4	5	1830.0	-	9.808334
14	2	57.1	8	1039.0	-	10.495912
15	1	89.0	15	-	-	11.538719

Table 167 - Long Sequence Waveform Trial#17 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	90.6	18	1790.0	1717.0	0.705048
2	3	65.6	9	1267.0	1969.0	1.589732
3	2	99.0	18	1354.0	-	2.460603
4	3	93.8	17	1924.0	1691.0	3.219231
5	3	64.5	18	1962.0	1676.0	4.011153
6	2	84.6	18	1815.0	-	5.438477
7	3	64.6	10	1700.0	1633.0	6.567361
8	2	55.5	18	1198.0	-	7.198210
9	3	60.6	16	1212.0	1158.0	8.118020
10	2	85.3	18	1006.0	-	9.557829
11	2	51.7	17	1101.0	-	10.712040
12	2	95.3	7	1388.0	-	11.419427

Table 168 - Long Sequence Waveform Trial#18 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	81.6	17	1882.0	-	0.280957
2	2	74.4	5	1020.0	-	1.804288
3	2	76.5	5	1911.0	-	3.834761
4	3	83.5	15	1773.0	1406.0	4.267125
5	2	92.8	19	1366.0	-	6.440939
6	1	64.8	12	-	-	7.565201
7	3	59.9	9	1378.0	1217.0	8.678039
8	2	67.0	6	1616.0	-	10.085039
9	2	92.7	9	1377.0	-	11.148413

Table 169 - Long Sequence Waveform Trial#19 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	85.9	6	1381.0	-	0.813414
2	2	85.2	15	1673.0	-	1.045007
3	2	85.3	11	1116.0	-	2.510810
4	2	98.3	14	1016.0	-	3.985789
5	2	90.6	19	1621.0	-	4.308314
6	1	56.5	10	-	-	5.161990
7	3	93.1	5	1828.0	1949.0	6.299704
8	1	62.4	16	-	-	7.182305
9	2	73.5	15	1404.0	-	8.811239
10	1	59.5	7	-	-	9.647676
11	3	50.3	11	1347.0	1736.0	10.612063
12	1	96.9	15	-	-	11.053675

Table 170 - Long Sequence Waveform Trial#20 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	93.0	13	1430.0	-	0.561364
2	2	74.7	12	1489.0	-	0.882001
3	2	80.9	20	1008.0	-	1.893967
4	2	96.1	14	1571.0	-	2.127207
5	2	67.4	13	1395.0	-	3.205810
6	2	63.1	20	1139.0	-	3.796844
7	1	51.3	17	-	-	4.221233
8	3	70.1	6	1723.0	1960.0	5.134671
9	2	98.9	14	1917.0	-	5.915584
10	2	73.3	17	1708.0	-	6.646301
11	2	80.0	19	1910.0	-	6.825830
12	3	94.1	7	1819.0	1491.0	7.541131
13	3	74.2	19	1482.0	1006.0	8.343067
14	1	58.4	10	-	-	9.223817
15	2	84.2	17	1280.0	-	9.591633
16	2	97.1	18	1718.0	-	10.543825
17	2	71.4	6	1735.0	-	11.304933
18	3	76.0	11	1756.0	1139.0	11.945879

Table 171 - Long Sequence Waveform Trial#21 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	51.8	17	1328.0	-	0.454755
2	1	98.4	13	-	-	1.186393
3	2	86.7	18	1825.0	-	2.300220
4	3	72.2	16	1125.0	1505.0	3.197133
5	3	88.2	11	1926.0	1383.0	4.039391
6	3	99.5	20	1652.0	1159.0	5.282960
7	2	61.6	10	1969.0	-	6.863766
8	2	80.1	9	1855.0	-	7.393512
9	1	69.1	13	-	-	8.371057
10	2	92.6	10	1945.0	-	9.373929
11	1	64.6	12	-	-	10.511300
12	3	88.4	15	1481.0	1335.0	11.480824

Table 172 - Long Sequence Waveform Trial#22 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	51.2	11	-	-	0.741295
2	2	52.8	17	1334.0	-	1.918482
3	2	92.0	9	1783.0	-	3.041986
4	3	73.3	9	1774.0	1206.0	3.782010
5	1	52.9	16	-	-	4.807305
6	2	82.5	20	1923.0	-	6.394957
7	2	80.1	12	1224.0	-	7.318908
8	1	57.0	19	-	-	9.163179
9	3	72.2	20	1857.0	1524.0	10.359703
10	2	96.4	18	1252.0	-	11.367356

Table 173 - Long Sequence Waveform Trial#23 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	63.6	11	1104.0	1164.0	0.521131
2	2	51.9	8	1747.0	-	0.681370
3	2	73.6	20	1276.0	-	1.724120
4	3	75.6	6	1706.0	1571.0	2.366287
5	3	82.0	13	1172.0	1849.0	2.601694
6	1	63.4	10	-	-	3.752083
7	1	99.5	19	-	-	4.389396
8	2	58.6	10	1734.0	-	4.578511
9	3	66.8	17	1032.0	1771.0	5.369919
10	2	89.1	12	1449.0	-	6.039081
11	2	76.6	11	1966.0	-	6.938118
12	2	70.9	13	1249.0	-	7.104289
13	1	53.9	17	-	-	8.174193
14	3	95.0	20	1873.0	1247.0	8.589548
15	2	78.0	17	1461.0	-	8.940399
16	1	76.2	18	-	-	9.665622
17	1	95.7	7	-	-	10.378616
18	2	71.7	10	1268.0	-	10.935250
19	1	72.0	17	-	-	11.801221

Table 174 - Long Sequence Waveform Trial#24 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	87.4	15	-	-	0.598502
2	2	99.3	9	1997.0	-	1.603776
3	2	80.8	9	1606.0	-	1.809571
4	1	51.9	18	-	-	3.397694
5	1	97.0	14	-	-	3.725237
6	3	55.1	9	1148.0	1003.0	4.915693
7	3	57.6	7	1583.0	1081.0	5.833880
8	2	64.1	12	1371.0	-	6.502781
9	2	76.2	6	1475.0	-	7.137403
10	2	85.7	11	1996.0	-	7.843008
11	2	78.6	18	1598.0	-	8.938557
12	1	89.3	18	-	-	9.458262
13	2	75.1	6	1674.0	-	10.621314
14	2	52.2	5	1075.0	-	11.664053

Table 175 - Long Sequence Waveform Trial#25 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	84.6	15	-	-	0.628319
2	2	84.4	11	1921.0	-	1.939837
3	2	70.1	20	1875.0	-	2.682103
4	3	70.5	15	1783.0	1171.0	3.797723
5	3	98.8	13	1312.0	1217.0	4.877424
6	3	68.8	13	1206.0	1716.0	5.369224
7	2	98.0	17	1331.0	-	6.398984
8	2	67.8	16	1854.0	-	7.570814
9	2	71.3	19	1092.0	-	8.548500
10	3	98.9	16	1988.0	1310.0	9.513386
11	1	58.2	17	-	-	10.058706
12	2	73.1	14	1030.0	-	11.400741

Table 176 - Long Sequence Waveform Trial#26 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	69.7	20	1756.0	-	0.513234
2	1	77.6	7	-	-	1.451598
3	2	84.1	19	1376.0	-	1.695669
4	2	96.2	11	1416.0	-	2.673534
5	1	53.7	13	-	-	3.353406
6	2	57.1	12	1471.0	-	4.417929
7	2	58.9	17	1730.0	-	5.581758
8	2	66.7	15	1177.0	-	6.083099
9	2	94.4	19	1042.0	-	6.701190
10	2	77.1	9	1673.0	-	7.802987
11	1	82.0	14	-	-	8.354362
12	2	77.2	9	1857.0	-	9.356730
13	2	99.7	7	1795.0	-	10.077110
14	1	63.2	16	-	-	10.967376
15	1	60.5	9	-	-	11.379058

Table 177 - Long Sequence Waveform Trial#27 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.7	14	1473.0	-	0.053580
2	3	77.6	14	1576.0	1934.0	1.439016
3	1	74.8	6	-	-	1.881028
4	2	91.8	18	1802.0	-	3.591515
5	2	92.4	14	1092.0	-	3.969181
6	2	99.5	10	1027.0	-	4.656690
7	3	60.2	18	1827.0	1659.0	6.232651
8	3	92.6	9	1233.0	1845.0	6.991939
9	3	78.6	14	1944.0	1226.0	8.076115
10	2	96.5	20	1604.0	-	8.632504
11	3	63.2	16	1495.0	1134.0	9.567695
12	1	98.9	16	-	-	10.759479
13	3	71.4	12	1440.0	1584.0	11.892983

Table 178 - Long Sequence Waveform Trial#28 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	70.9	7	1037.0	-	0.000255
2	1	72.9	11	-	-	1.473913
3	2	83.7	15	1921.0	-	1.966695
4	2	62.7	13	1605.0	-	2.403141
5	2	52.9	10	1120.0	-	3.759967
6	1	54.0	16	-	-	4.249848
7	2	69.0	8	1193.0	-	5.223313
8	2	89.8	17	1771.0	-	6.205442
9	2	67.5	10	1286.0	-	7.177175
10	1	79.7	18	-	-	7.838193
11	2	51.5	15	1108.0	-	8.559153
12	1	61.2	14	-	-	9.388017
13	3	82.3	15	1782.0	1957.0	10.127795
14	2	84.6	8	1662.0	-	10.541019
15	2	55.7	13	1769.0	-	11.251067

Table 179 - Long Sequence Waveform Trial#29 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	92.3	13	-	-	1.292886
2	1	80.0	6	-	-	2.098189
3	2	89.1	6	1209.0	-	3.654535
4	3	89.5	9	1776.0	1905.0	4.506462
5	3	99.7	10	1211.0	1824.0	5.931431
6	3	58.3	16	1735.0	1439.0	7.616048
7	2	87.6	13	1106.0	-	8.541012
8	3	50.0	8	1434.0	1473.0	9.711809
9	3	84.5	18	1804.0	1473.0	11.325845

Table 180 - Long Sequence Waveform Trial#30 (Detected) 40MHz NU CU Acquire HF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	77.8	16	1210.0	-	0.183631
2	2	57.4	11	1063.0	-	1.854547
3	1	85.5	15	-	-	2.419985
4	2	57.2	9	1023.0	-	4.525536
5	2	56.7	13	1433.0	-	5.081975
6	2	99.4	8	1218.0	-	7.163689
7	2	86.4	12	1768.0	-	8.394378
8	3	78.0	17	1459.0	1256.0	9.561749
9	2	61.4	17	1133.0	-	10.337461
10	2	84.2	7	1856.0	-	11.617951

Table 181 - FCC Short Pulse Radar (Type 1) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
3	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
5	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
6	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
7	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
9	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
10	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
11	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
12	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
13	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
14	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
15	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
16	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
17	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
19	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
22	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
23	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
24	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst
26	18	1.0	1428.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	18	1.0	1428.0	Yes	5288.0MHz, -61.0dBm	Single burst
28	18	1.0	1428.0	Yes	5283.0MHz, -61.0dBm	Single burst
29	18	1.0	1428.0	Yes	5303.0MHz, -61.0dBm	Single burst
30	18	1.0	1428.0	Yes	5298.0MHz, -61.0dBm	Single burst

Table 182 - FCC Short Pulse Radar (Type 2) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	25	3.5	198.0	Yes	5293.0MHz, -61.0dBm	Single burst
2	29	4.3	173.0	Yes	5288.0MHz, -61.0dBm	Single burst
3	29	2.3	166.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	27	4.1	193.0	Yes	5303.0MHz, -61.0dBm	Single burst
5	27	4.5	208.0	Yes	5298.0MHz, -61.0dBm	Single burst
6	24	5.0	156.0	Yes	5293.0MHz, -61.0dBm	Single burst
7	25	2.8	216.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	27	1.9	200.0	Yes	5283.0MHz, -61.0dBm	Single burst
9	26	1.8	196.0	No	5303.0MHz, -61.0dBm	Single burst
10	28	2.8	177.0	Yes	5298.0MHz, -61.0dBm	Single burst
11	28	3.7	194.0	Yes	5293.0MHz, -61.0dBm	Single burst
12	27	3.7	220.0	Yes	5288.0MHz, -61.0dBm	Single burst
13	26	2.7	167.0	Yes	5283.0MHz, -61.0dBm	Single burst
14	25	2.6	190.0	Yes	5303.0MHz, -61.0dBm	Single burst
15	26	3.8	172.0	No	5298.0MHz, -61.0dBm	Single burst
16	27	1.9	188.0	No	5293.0MHz, -61.0dBm	Single burst
17	27	2.5	187.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	27	3.3	226.0	Yes	5283.0MHz, -61.0dBm	Single burst
19	26	1.2	210.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	24	1.6	220.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	23	1.4	174.0	Yes	5293.0MHz, -61.0dBm	Single burst
22	28	4.1	162.0	No	5288.0MHz, -61.0dBm	Single burst
23	23	3.5	185.0	No	5283.0MHz, -61.0dBm	Single burst
24	27	3.9	187.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	27	1.1	215.0	Yes	5298.0MHz, -61.0dBm	Single burst
26	29	2.5	172.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	23	4.5	227.0	Yes	5288.0MHz, -61.0dBm	Single burst
28	25	1.3	189.0	Yes	5283.0MHz, -61.0dBm	Single burst
29	25	3.7	203.0	Yes	5303.0MHz, -61.0dBm	Single burst
30	26	4.3	208.0	Yes	5298.0MHz, -61.0dBm	Single burst

Table 183 - FCC Short Pulse Radar (Type 3) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	8.7	318.0	Yes	5293.0MHz, -61.0dBm	Single burst
2	16	9.6	411.0	Yes	5288.0MHz, -61.0dBm	Single burst
3	18	8.1	268.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	17	6.2	468.0	Yes	5303.0MHz, -61.0dBm	Single burst
5	18	8.0	231.0	Yes	5298.0MHz, -61.0dBm	Single burst
6	17	6.6	327.0	No	5293.0MHz, -61.0dBm	Single burst
7	16	6.7	387.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	18	6.4	421.0	Yes	5283.0MHz, -61.0dBm	Single burst
9	18	9.5	469.0	Yes	5303.0MHz, -61.0dBm	Single burst
10	17	9.3	237.0	Yes	5298.0MHz, -61.0dBm	Single burst
11	18	9.7	203.0	Yes	5293.0MHz, -61.0dBm	Single burst
12	18	9.9	298.0	Yes	5288.0MHz, -61.0dBm	Single burst
13	18	8.7	497.0	Yes	5283.0MHz, -61.0dBm	Single burst
14	17	8.7	285.0	Yes	5303.0MHz, -61.0dBm	Single burst
15	17	8.1	352.0	Yes	5298.0MHz, -61.0dBm	Single burst
16	16	8.6	248.0	No	5293.0MHz, -61.0dBm	Single burst
17	17	8.9	310.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	18	6.0	424.0	No	5283.0MHz, -61.0dBm	Single burst
19	16	8.5	490.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	18	9.8	466.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	17	7.4	443.0	Yes	5293.0MHz, -61.0dBm	Single burst
22	17	8.4	427.0	Yes	5288.0MHz, -61.0dBm	Single burst
23	17	8.0	494.0	No	5283.0MHz, -61.0dBm	Single burst
24	17	8.8	359.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	16	6.7	284.0	Yes	5298.0MHz, -61.0dBm	Single burst
26	17	7.4	413.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	16	7.7	343.0	Yes	5288.0MHz, -61.0dBm	Single burst
28	18	9.6	291.0	No	5283.0MHz, -61.0dBm	Single burst
29	17	8.0	245.0	Yes	5303.0MHz, -61.0dBm	Single burst
30	17	6.8	370.0	Yes	5298.0MHz, -61.0dBm	Single burst

Table 184 - FCC Short Pulse Radar (Type 4) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	13	18.1	235.0	Yes	5293.0MHz, -61.0dBm	Single burst
2	15	15.2	367.0	No	5288.0MHz, -61.0dBm	Single burst
3	15	15.2	429.0	Yes	5283.0MHz, -61.0dBm	Single burst
4	12	15.4	251.0	No	5303.0MHz, -61.0dBm	Single burst
5	12	12.5	444.0	Yes	5298.0MHz, -61.0dBm	Single burst
6	14	15.9	249.0	Yes	5293.0MHz, -61.0dBm	Single burst
7	14	19.8	206.0	Yes	5288.0MHz, -61.0dBm	Single burst
8	13	16.3	470.0	Yes	5283.0MHz, -61.0dBm	Single burst
9	12	15.3	315.0	Yes	5303.0MHz, -61.0dBm	Single burst
10	13	19.7	258.0	No	5298.0MHz, -61.0dBm	Single burst
11	15	19.8	337.0	Yes	5293.0MHz, -61.0dBm	Single burst
12	13	14.7	245.0	No	5288.0MHz, -61.0dBm	Single burst
13	13	15.9	404.0	No	5283.0MHz, -61.0dBm	Single burst
14	13	14.7	258.0	Yes	5303.0MHz, -61.0dBm	Single burst
15	14	18.2	483.0	No	5298.0MHz, -61.0dBm	Single burst
16	13	17.9	223.0	No	5293.0MHz, -61.0dBm	Single burst
17	14	11.3	318.0	Yes	5288.0MHz, -61.0dBm	Single burst
18	15	16.6	216.0	No	5283.0MHz, -61.0dBm	Single burst
19	16	14.5	465.0	Yes	5303.0MHz, -61.0dBm	Single burst
20	14	17.7	475.0	Yes	5298.0MHz, -61.0dBm	Single burst
21	12	11.4	274.0	Yes	5293.0MHz, -61.0dBm	Single burst
22	12	14.5	202.0	Yes	5288.0MHz, -61.0dBm	Single burst
23	13	18.3	252.0	Yes	5283.0MHz, -61.0dBm	Single burst
24	15	12.0	259.0	Yes	5303.0MHz, -61.0dBm	Single burst
25	14	16.9	375.0	Yes	5298.0MHz, -61.0dBm	Single burst
26	12	13.2	357.0	Yes	5293.0MHz, -61.0dBm	Single burst
27	13	11.1	324.0	No	5288.0MHz, -61.0dBm	Single burst
28	15	13.7	282.0	Yes	5283.0MHz, -61.0dBm	Single burst
29	14	12.2	482.0	Yes	5303.0MHz, -61.0dBm	Single burst
30	13	19.6	283.0	No	5298.0MHz, -61.0dBm	Single burst

Table 185 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5310.0MHz, -61.0dBm	Hop sequence: 5477, 5523, 5511, 5649, 5331, 5494, 5516, 5604, 5256, 5472, 5574, 5553, 5420, 5436, 5450, 5633, 5465, 5701, 5328, 5537, 5578, 5539, 5555, 5630, 5514, 5695, 5610, 5257, 5560, 5677, 5611, 5645, 5704, 5375, 5702, 5339, 5479, 5650, 5614, 5676, 5615, 5403, 5360, 5314, 5383, 5573, 5671, 5591, 5664, 5586, 5569, 5648, 5530, 5559, 5487, 5536, 5716, 5656, 5417, 5722, 5473, 5458, 5376, 5680, 5305, 5621, 5710, 5543, 5688, 5368, 5632, 5278, 5390, 5638, 5310, 5550, 5426, 5512, 5401, 5721, 5424, 5619, 5665, 5451, 5356, 5462, 5474, 5307, 5400, 5692, 5505, 5423, 5625, 5263, 5344, 5490, 5622, 5431, 5413, 5406 (4 hits)
2	9	1.0	333.0	Yes	5311.0MHz, -61.0dBm	Hop sequence: 5420, 5265, 5367, 5650, 5296, 5318, 5453, 5347, 5708, 5446, 5389, 5534, 5491, 5478, 5388, 5341, 5586, 5503, 5622, 5533, 5466, 5386, 5636, 5416, 5635, 5564, 5693, 5407, 5691, 5651, 5577, 5479, 5660, 5641, 5688, 5396, 5313, 5632, 5609, 5345, 5340, 5554, 5515, 5261, 5399, 5382, 5704, 5551, 5263, 5319, 5462, 5664, 5346, 5291, 5657, 5267, 5335, 5421, 5527, 5348, 5548, 5392, 5558, 5259, 5372, 5380, 5294, 5413, 5674, 5376, 5532, 5640, 5434, 5426, 5297, 5671, 5717, 5618, 5685, 5398, 5475, 5579, 5592, 5305, 5411, 5571, 5377, 5613, 5517, 5580, 5588, 5473, 5562, 5284, 5369, 5724, 5556, 5307, 5281, 5589 (8 hits)
3	9	1.0	333.0	Yes	5275.0MHz, -61.0dBm	Hop sequence: 5696, 5549, 5344, 5682, 5424, 5349, 5422, 5393, 5612, 5714, 5279, 5679, 5643, 5530, 5685, 5525, 5280, 5667, 5504, 5623, 5458, 5526, 5473, 5494, 5398, 5487, 5582, 5497, 5489, 5568, 5476, 5343, 5488, 5575, 5312, 5639, 5654, 5386, 5579, 5726, 5347, 5439, 5390, 5474, 5711, 5276, 5690, 5442, 5371, 5274, 5547, 5362, 5499, 5323, 5554, 5590, 5267, 5710, 5404, 5693, 5301, 5385, 5702, 5571, 5632, 5552, 5587, 5506, 5483, 5603, 5680, 5391, 5548, 5660, 5379, 5327, 5524, 5681, 5528, 5686, 5454, 5262, 5417, 5519, 5357, 5676, 5703, 5658, 5539, 5410, 5721, 5302, 5715, 5449, 5657, 5615, 5695, 5562, 5328, 5452 (5 hits)
4	9	1.0	333.0	Yes	5276.0MHz, -61.0dBm	Hop sequence: 5631, 5431, 5486, 5360, 5491, 5400, 5295, 5716, 5604, 5641, 5321, 5590, 5580, 5715, 5721, 5595, 5451, 5440, 5564, 5347, 5382, 5600, 5258, 5266, 5254, 5373, 5547, 5554, 5449, 5597, 5655, 5686, 5287, 5386, 5445, 5532, 5515, 5370, 5668, 5359, 5326, 5558, 5627, 5306, 5714, 5476, 5575, 5654, 5603, 5503, 5614, 5599, 5410, 5453, 5723, 5527, 5501, 5628, 5701, 5362, 5535, 5345, 5463, 5305, 5481, 5397, 5413, 5660, 5304, 5511, 5320, 5622, 5291, 5559, 5472, 5629, 5341, 5665, 5398, 5584, 5673, 5565, 5512, 5436, 5688, 5663, 5504, 5294, 5340, 5490, 5296, 5669, 5349, 5557, 5323, 5500, 5724, 5390, 5339, 5329 (8 hits)
5	9	1.0	333.0	Yes	5277.0MHz, -61.0dBm	Hop sequence: 5327, 5665, 5662, 5684, 5427, 5308, 5441, 5356, 5618, 5406, 5566, 5314, 5408, 5647, 5621, 5414, 5322, 5467, 5436, 5511, 5477, 5723, 5717, 5678, 5660, 5343, 5698, 5330, 5516, 5520, 5448, 5479, 5260, 5499, 5505, 5389, 5528, 5458, 5715, 5518, 5620, 5429, 5305, 5410, 5589, 5376,

Table 185 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5484, 5359, 5251, 5418, 5431, 5424, 5538, 5552, 5455, 5425, 5468, 5610, 5319, 5495, 5562, 5368, 5307, 5470, 5267, 5607, 5491, 5502, 5399, 5363, 5503, 5705, 5713, 5626, 5664, 5630, 5417, 5570, 5277, 5603, 5439, 5526, 5366, 5397, 5625, 5324, 5338, 5272, 5466, 5598, 5550, 5275, 5463, 5553, 5718, 5588, 5674, 5536, 5445, 5501 (5 hits)
6	9	1.0	333.0	Yes	5278.0MHz, -61.0dBm	Hop sequence: 5442, 5390, 5452, 5371, 5570, 5255, 5632, 5671, 5626, 5684, 5305, 5499, 5663, 5565, 5580, 5614, 5589, 5455, 5692, 5340, 5472, 5504, 5527, 5543, 5533, 5707, 5271, 5621, 5382, 5514, 5407, 5651, 5352, 5709, 5638, 5423, 5554, 5447, 5336, 5619, 5252, 5642, 5479, 5689, 5664, 5643, 5633, 5509, 5406, 5532, 5572, 5588, 5440, 5690, 5280, 5553, 5721, 5609, 5645, 5417, 5398, 5272, 5525, 5708, 5327, 5304, 5332, 5597, 5405, 5402, 5674, 5591, 5310, 5313, 5385, 5700, 5306, 5345, 5364, 5697, 5415, 5309, 5461, 5321, 5526, 5571, 5608, 5325, 5578, 5334, 5476, 5605, 5569, 5610, 5491, 5487, 5685, 5286, 5563, 5683 (7 hits)
7	9	1.0	333.0	Yes	5279.0MHz, -61.0dBm	Hop sequence: 5298, 5332, 5252, 5363, 5383, 5310, 5618, 5395, 5438, 5373, 5593, 5466, 5404, 5484, 5321, 5437, 5380, 5301, 5502, 5440, 5626, 5277, 5361, 5426, 5707, 5704, 5630, 5471, 5648, 5424, 5521, 5396, 5642, 5547, 5697, 5493, 5713, 5514, 5655, 5483, 5343, 5657, 5356, 5462, 5520, 5431, 5314, 5410, 5348, 5341, 5702, 5605, 5607, 5692, 5476, 5264, 5418, 5267, 5601, 5576, 5266, 5536, 5610, 5260, 5309, 5538, 5559, 5416, 5515, 5458, 5539, 5628, 5270, 5485, 5475, 5303, 5625, 5685, 5291, 5621, 5577, 5339, 5662, 5278, 5446, 5542, 5258, 5409, 5453, 5509, 5408, 5636, 5419, 5513, 5523, 5481, 5464, 5325, 5370, 5365 (8 hits)
8	9	1.0	333.0	Yes	5280.0MHz, -61.0dBm	Hop sequence: 5363, 5459, 5394, 5619, 5648, 5355, 5499, 5478, 5431, 5659, 5339, 5500, 5467, 5692, 5450, 5570, 5316, 5726, 5364, 5294, 5362, 5632, 5699, 5553, 5608, 5266, 5505, 5261, 5299, 5319, 5524, 5514, 5335, 5491, 5429, 5471, 5287, 5305, 5683, 5460, 5282, 5382, 5325, 5635, 5718, 5516, 5327, 5381, 5307, 5649, 5334, 5589, 5396, 5548, 5710, 5719, 5666, 5368, 5520, 5269, 5627, 5661, 5657, 5343, 5496, 5572, 5428, 5370, 5552, 5601, 5252, 5439, 5424, 5541, 5427, 5322, 5642, 5445, 5463, 5688, 5508, 5557, 5492, 5651, 5625, 5694, 5529, 5332, 5588, 5568, 5510, 5476, 5423, 5367, 5274, 5624, 5579, 5543, 5312, 5482 (6 hits)
9	9	1.0	333.0	Yes	5281.0MHz, -61.0dBm	Hop sequence: 5658, 5535, 5455, 5653, 5633, 5627, 5626, 5366, 5326, 5556, 5470, 5537, 5548, 5603, 5433, 5397, 5416, 5550, 5487, 5606, 5629, 5621, 5328, 5591, 5306, 5505, 5303, 5581, 5492, 5650, 5489, 5575, 5402, 5532, 5486, 5490, 5562, 5543, 5428, 5582, 5289, 5473, 5400, 5483, 5257, 5274, 5509, 5616, 5315, 5354, 5602, 5369, 5462, 5493, 5597, 5514, 5456, 5719, 5485, 5418, 5705, 5287, 5388, 5345, 5632, 5529, 5375, 5353, 5370, 5551, 5302, 5541, 5399, 5379, 5635, 5624, 5678, 5604, 5503, 5670, 5571, 5671, 5681, 5688, 5435, 5321, 5406, 5256, 5293, 5267, 5331, 5378, 5576, 5372, 5609, 5404, 5272, 5521, 5385, 5332 (6 hits)

Table 185 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
10	9	1.0	333.0	Yes	5282.0MHz, -61.0dBm	Hop sequence: 5415, 5682, 5712, 5273, 5282, 5339, 5364, 5680, 5463, 5352, 5612, 5402, 5427, 5498, 5666, 5389, 5676, 5684, 5509, 5615, 5647, 5494, 5316, 5320, 5707, 5301, 5332, 5374, 5556, 5671, 5538, 5355, 5423, 5459, 5307, 5451, 5518, 5448, 5554, 5717, 5604, 5691, 5462, 5445, 5520, 5681, 5477, 5658, 5491, 5291, 5501, 5674, 5295, 5457, 5292, 5652, 5699, 5662, 5397, 5562, 5545, 5548, 5486, 5349, 5544, 5598, 5572, 5404, 5259, 5632, 5685, 5365, 5513, 5481, 5527, 5475, 5531, 5256, 5646, 5543, 5602, 5624, 5608, 5342, 5393, 5287, 5581, 5434, 5597, 5659, 5534, 5337, 5369, 5468, 5701, 5410, 5656, 5651, 5634, 5348 (7 hits)
11	9	1.0	333.0	Yes	5283.0MHz, -61.0dBm	Hop sequence: 5557, 5496, 5447, 5409, 5311, 5350, 5461, 5388, 5718, 5522, 5593, 5497, 5508, 5272, 5640, 5260, 5598, 5339, 5477, 5316, 5332, 5253, 5532, 5723, 5667, 5710, 5506, 5540, 5721, 5432, 5589, 5650, 5547, 5712, 5585, 5555, 5394, 5644, 5386, 5594, 5554, 5714, 5666, 5416, 5398, 5484, 5254, 5625, 5552, 5588, 5444, 5340, 5313, 5283, 5665, 5575, 5528, 5491, 5631, 5303, 5281, 5603, 5503, 5346, 5671, 5446, 5553, 5355, 5703, 5516, 5291, 5320, 5264, 5351, 5687, 5274, 5319, 5336, 5308, 5561, 5380, 5495, 5658, 5581, 5424, 5642, 5294, 5382, 5643, 5419, 5400, 5702, 5408, 5360, 5251, 5556, 5442, 5695, 5630, 5610 (7 hits)
12	9	1.0	333.0	Yes	5284.0MHz, -61.0dBm	Hop sequence: 5469, 5392, 5361, 5657, 5286, 5344, 5475, 5329, 5328, 5258, 5434, 5339, 5719, 5430, 5579, 5351, 5488, 5424, 5681, 5683, 5649, 5305, 5412, 5688, 5481, 5709, 5533, 5353, 5556, 5585, 5342, 5501, 5487, 5355, 5516, 5384, 5405, 5326, 5519, 5471, 5633, 5589, 5325, 5695, 5372, 5715, 5591, 5693, 5573, 5620, 5427, 5338, 5458, 5251, 5401, 5470, 5508, 5554, 5379, 5668, 5327, 5303, 5467, 5571, 5449, 5435, 5310, 5411, 5455, 5603, 5380, 5547, 5454, 5523, 5333, 5491, 5266, 5542, 5659, 5521, 5497, 5307, 5640, 5280, 5667, 5545, 5694, 5425, 5389, 5543, 5429, 5702, 5462, 5324, 5595, 5532, 5710, 5653, 5722, 5272 (6 hits)
13	9	1.0	333.0	Yes	5285.0MHz, -61.0dBm	Hop sequence: 5524, 5667, 5545, 5579, 5529, 5430, 5704, 5687, 5528, 5677, 5494, 5292, 5459, 5305, 5644, 5303, 5457, 5353, 5370, 5560, 5551, 5676, 5259, 5627, 5672, 5323, 5699, 5639, 5598, 5655, 5341, 5541, 5431, 5396, 5475, 5520, 5362, 5278, 5354, 5596, 5712, 5585, 5264, 5438, 5330, 5572, 5428, 5262, 5511, 5415, 5268, 5261, 5696, 5357, 5377, 5488, 5680, 5610, 5345, 5326, 5397, 5486, 5348, 5344, 5464, 5614, 5706, 5282, 5434, 5284, 5433, 5604, 5685, 5631, 5403, 5534, 5620, 5410, 5506, 5485, 5382, 5308, 5343, 5582, 5552, 5683, 5630, 5495, 5594, 5694, 5254, 5455, 5483, 5327, 5603, 5569, 5347, 5461, 5705, 5580 (7 hits)
14	9	1.0	333.0	Yes	5286.0MHz, -61.0dBm	Hop sequence: 5712, 5424, 5550, 5537, 5626, 5643, 5494, 5474, 5430, 5531, 5572, 5469, 5709, 5697, 5655, 5628, 5575, 5611, 5580, 5407, 5560, 5622, 5308, 5651, 5584, 5268, 5516, 5541, 5666, 5445, 5252, 5392, 5520, 5669, 5558, 5662, 5281, 5289, 5292, 5502, 5453, 5688, 5583, 5260, 5671, 5455, 5595, 5725, 5683, 5490, 5578, 5390, 5535,

Table 185 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5585, 5395, 5602, 5570, 5303, 5488, 5368, 5468, 5320, 5540, 5382, 5554, 5301, 5557, 5328, 5446, 5440, 5315, 5449, 5508, 5383, 5672, 5389, 5654, 5633, 5470, 5429, 5563, 5380, 5548, 5539, 5576, 5471, 5435, 5414, 5663, 5653, 5312, 5367, 5331, 5295, 5499, 5482, 5402, 5652, 5317, 5693 (7 hits)
15	9	1.0	333.0	Yes	5287.0MHz, -61.0dBm	Hop sequence: 5533, 5644, 5538, 5540, 5265, 5684, 5710, 5391, 5315, 5623, 5485, 5253, 5603, 5429, 5418, 5351, 5641, 5505, 5301, 5719, 5283, 5384, 5717, 5308, 5447, 5327, 5477, 5439, 5711, 5534, 5445, 5455, 5408, 5299, 5528, 5260, 5431, 5502, 5451, 5551, 5344, 5585, 5509, 5622, 5587, 5464, 5568, 5559, 5303, 5685, 5504, 5591, 5549, 5581, 5354, 5288, 5428, 5367, 5286, 5396, 5724, 5481, 5722, 5463, 5697, 5374, 5687, 5662, 5665, 5643, 5659, 5510, 5293, 5349, 5364, 5494, 5570, 5436, 5492, 5307, 5521, 5386, 5292, 5668, 5476, 5580, 5420, 5252, 5507, 5666, 5627, 5332, 5255, 5536, 5257, 5319, 5482, 5688, 5676, 5579 (10 hits)
16	9	1.0	333.0	Yes	5288.0MHz, -61.0dBm	Hop sequence: 5383, 5582, 5405, 5301, 5435, 5282, 5482, 5674, 5714, 5340, 5416, 5715, 5554, 5618, 5440, 5337, 5289, 5649, 5371, 5690, 5529, 5355, 5536, 5409, 5380, 5562, 5488, 5439, 5640, 5648, 5310, 5694, 5397, 5307, 5253, 5507, 5309, 5256, 5602, 5611, 5607, 5306, 5566, 5255, 5502, 5687, 5586, 5673, 5451, 5668, 5569, 5535, 5321, 5263, 5495, 5695, 5313, 5696, 5708, 5642, 5322, 5549, 5373, 5350, 5339, 5362, 5252, 5300, 5318, 5644, 5415, 5341, 5718, 5494, 5705, 5293, 5392, 5264, 5636, 5518, 5273, 5394, 5523, 5610, 5588, 5359, 5288, 5707, 5454, 5262, 5353, 5520, 5681, 5331, 5316, 5334, 5635, 5691, 5698, 5304 (11 hits)
17	9	1.0	333.0	Yes	5289.0MHz, -61.0dBm	Hop sequence: 5376, 5251, 5725, 5513, 5388, 5602, 5260, 5538, 5301, 5477, 5724, 5554, 5559, 5438, 5257, 5665, 5675, 5472, 5407, 5663, 5413, 5483, 5564, 5327, 5344, 5655, 5400, 5528, 5719, 5312, 5664, 5506, 5464, 5490, 5403, 5619, 5343, 5494, 5307, 5560, 5355, 5621, 5359, 5288, 5346, 5302, 5576, 5630, 5646, 5419, 5374, 5579, 5482, 5280, 5542, 5520, 5582, 5253, 5364, 5304, 5720, 5708, 5356, 5611, 5501, 5637, 5701, 5549, 5660, 5461, 5484, 5514, 5718, 5367, 5263, 5486, 5512, 5497, 5571, 5299, 5591, 5354, 5626, 5352, 5697, 5399, 5479, 5624, 5584, 5267, 5439, 5342, 5532, 5331, 5437, 5653, 5721, 5678, 5417, 5578 (7 hits)
18	9	1.0	333.0	Yes	5290.0MHz, -61.0dBm	Hop sequence: 5677, 5520, 5638, 5699, 5284, 5368, 5636, 5282, 5502, 5402, 5529, 5579, 5538, 5553, 5463, 5436, 5413, 5417, 5603, 5424, 5262, 5471, 5250, 5617, 5640, 5632, 5566, 5396, 5421, 5669, 5718, 5460, 5630, 5440, 5406, 5371, 5679, 5610, 5311, 5523, 5674, 5611, 5516, 5482, 5620, 5495, 5504, 5350, 5589, 5714, 5564, 5392, 5382, 5526, 5567, 5513, 5431, 5689, 5478, 5290, 5435, 5517, 5708, 5360, 5705, 5354, 5351, 5494, 5604, 5264, 5459, 5720, 5445, 5561, 5464, 5507, 5414, 5569, 5557, 5347, 5659, 5456, 5686, 5364, 5590, 5397, 5336, 5469, 5649, 5449, 5376, 5543, 5418, 5584, 5365, 5391, 5457, 5472, 5685, 5602 (4 hits)
19	9	1.0	333.0	Yes	5291.0MHz,	Hop sequence: 5414, 5344, 5552, 5494,

Table 185 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-61.0dBm	5377, 5612, 5664, 5417, 5367, 5555, 5316, 5292, 5656, 5570, 5412, 5518, 5434, 5500, 5606, 5632, 5592, 5679, 5712, 5506, 5282, 5467, 5503, 5568, 5700, 5492, 5431, 5317, 5605, 5361, 5564, 5294, 5635, 5381, 5451, 5466, 5352, 5519, 5569, 5587, 5487, 5699, 5376, 5250, 5264, 5652, 5573, 5406, 5639, 5318, 5701, 5512, 5285, 5653, 5482, 5403, 5356, 5386, 5346, 5362, 5706, 5395, 5645, 5618, 5363, 5372, 5338, 5360, 5310, 5690, 5588, 5413, 5671, 5365, 5347, 5545, 5625, 5319, 5433, 5687, 5324, 5547, 5634, 5523, 5293, 5659, 5641, 5333, 5359, 5576, 5691, 5390, 5475, 5313, 5371, 5435 (6 hits)
20	9	1.0	333.0	Yes	5292.0MHz, -61.0dBm	Hop sequence: 5645, 5669, 5668, 5582, 5304, 5564, 5680, 5317, 5684, 5697, 5462, 5699, 5262, 5424, 5473, 5498, 5503, 5402, 5285, 5437, 5445, 5312, 5609, 5671, 5340, 5470, 5584, 5307, 5512, 5485, 5598, 5290, 5398, 5410, 5660, 5382, 5599, 5650, 5644, 5653, 5264, 5378, 5273, 5417, 5257, 5455, 5517, 5416, 5526, 5545, 5622, 5358, 5359, 5421, 5269, 5558, 5292, 5692, 5666, 5279, 5476, 5253, 5603, 5254, 5710, 5687, 5449, 5521, 5676, 5694, 5275, 5597, 5544, 5401, 5265, 5386, 5507, 5343, 5703, 5374, 5538, 5510, 5298, 5567, 5523, 5294, 5263, 5506, 5592, 5303, 5619, 5380, 5724, 5606, 5655, 5351, 5553, 5613, 5480, 5700 (10 hits)
21	9	1.0	333.0	Yes	5293.0MHz, -61.0dBm	Hop sequence: 5404, 5325, 5723, 5426, 5511, 5644, 5272, 5513, 5570, 5548, 5408, 5646, 5660, 5297, 5561, 5503, 5708, 5387, 5558, 5524, 5718, 5400, 5640, 5317, 5372, 5705, 5350, 5403, 5326, 5521, 5399, 5655, 5486, 5611, 5473, 5500, 5479, 5531, 5656, 5608, 5402, 5651, 5376, 5274, 5338, 5318, 5412, 5383, 5679, 5435, 5508, 5519, 5455, 5398, 5261, 5362, 5648, 5304, 5250, 5378, 5702, 5307, 5353, 5606, 5525, 5458, 5336, 5371, 5407, 5289, 5461, 5599, 5716, 5704, 5689, 5505, 5526, 5285, 5253, 5391, 5423, 5684, 5522, 5584, 5342, 5657, 5397, 5462, 5259, 5710, 5449, 5556, 5623, 5474, 5700, 5571, 5305, 5600, 5686, 5457 (6 hits)
22	9	1.0	333.0	Yes	5294.0MHz, -61.0dBm	Hop sequence: 5690, 5457, 5378, 5255, 5543, 5308, 5644, 5284, 5403, 5649, 5414, 5282, 5306, 5533, 5497, 5712, 5314, 5643, 5338, 5534, 5409, 5276, 5529, 5623, 5692, 5632, 5332, 5413, 5505, 5553, 5521, 5482, 5333, 5452, 5439, 5673, 5491, 5392, 5251, 5302, 5434, 5600, 5565, 5718, 5621, 5531, 5442, 5492, 5664, 5353, 5422, 5307, 5526, 5293, 5473, 5634, 5303, 5579, 5657, 5654, 5726, 5351, 5569, 5267, 5274, 5598, 5672, 5384, 5259, 5263, 5574, 5424, 5460, 5548, 5525, 5278, 5323, 5568, 5393, 5339, 5535, 5297, 5383, 5622, 5304, 5301, 5355, 5666, 5584, 5721, 5546, 5471, 5360, 5463, 5466, 5675, 5539, 5331, 5387, 5305 (14 hits)
23	9	1.0	333.0	Yes	5295.0MHz, -61.0dBm	Hop sequence: 5657, 5255, 5270, 5279, 5663, 5576, 5567, 5326, 5293, 5599, 5389, 5427, 5286, 5678, 5620, 5616, 5637, 5506, 5460, 5713, 5387, 5534, 5570, 5572, 5550, 5372, 5691, 5280, 5486, 5392, 5673, 5448, 5612, 5420, 5528, 5321, 5538, 5257, 5512, 5484, 5530, 5600, 5633, 5721, 5696, 5407, 5577, 5272, 5523, 5654, 5269, 5421, 5687, 5301, 5480, 5683, 5693, 5268, 5290, 5281,

Table 185 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5707, 5477, 5360, 5438, 5294, 5722, 5645, 5553, 5650, 5604, 5259, 5491, 5331, 5632, 5549, 5278, 5319, 5481, 5681, 5263, 5457, 5585, 5254, 5522, 5494, 5415, 5470, 5677, 5499, 5708, 5304, 5618, 5659, 5434, 5717, 5298, 5712, 5325, 5262, 5709 (11 hits)
24	9	1.0	333.0	Yes	5296.0MHz, -61.0dBm	Hop sequence: 5375, 5704, 5461, 5713, 5361, 5343, 5567, 5511, 5517, 5530, 5274, 5542, 5680, 5395, 5584, 5485, 5276, 5278, 5535, 5557, 5252, 5450, 5459, 5575, 5500, 5611, 5574, 5438, 5444, 5456, 5436, 5454, 5560, 5681, 5529, 5646, 5634, 5677, 5710, 5551, 5592, 5596, 5308, 5687, 5492, 5561, 5290, 5480, 5387, 5488, 5336, 5377, 5708, 5335, 5662, 5449, 5562, 5267, 5674, 5446, 5337, 5478, 5522, 5491, 5709, 5440, 5543, 5686, 5525, 5435, 5383, 5420, 5472, 5329, 5300, 5482, 5587, 5617, 5350, 5263, 5390, 5506, 5726, 5476, 5577, 5297, 5608, 5481, 5651, 5494, 5576, 5359, 5722, 5541, 5451, 5619, 5473, 5256, 5531, 5669 (6 hits)
25	9	1.0	333.0	Yes	5297.0MHz, -61.0dBm	Hop sequence: 5298, 5442, 5548, 5542, 5338, 5558, 5411, 5388, 5447, 5618, 5605, 5520, 5635, 5362, 5429, 5685, 5589, 5702, 5348, 5723, 5295, 5325, 5306, 5715, 5490, 5271, 5712, 5467, 5515, 5532, 5468, 5642, 5619, 5554, 5609, 5296, 5675, 5293, 5498, 5528, 5474, 5329, 5319, 5643, 5644, 5415, 5268, 5394, 5376, 5674, 5516, 5393, 5671, 5610, 5667, 5430, 5721, 5334, 5709, 5321, 5666, 5594, 5583, 5263, 5586, 5660, 5653, 5544, 5323, 5577, 5281, 5688, 5499, 5279, 5406, 5534, 5433, 5373, 5456, 5389, 5292, 5663, 5342, 5628, 5480, 5659, 5312, 5336, 5316, 5386, 5597, 5646, 5549, 5697, 5556, 5457, 5651, 5684, 5700, 5463 (8 hits)
26	9	1.0	333.0	No	5298.0MHz, -61.0dBm	Hop sequence: 5652, 5606, 5635, 5651, 5251, 5583, 5502, 5620, 5263, 5706, 5403, 5552, 5395, 5275, 5255, 5458, 5614, 5342, 5419, 5315, 5709, 5514, 5367, 5276, 5374, 5687, 5616, 5279, 5356, 5278, 5397, 5312, 5601, 5497, 5470, 5282, 5358, 5290, 5575, 5387, 5627, 5394, 5288, 5450, 5400, 5472, 5380, 5536, 5277, 5433, 5335, 5702, 5711, 5408, 5269, 5369, 5431, 5598, 5337, 5399, 5295, 5537, 5534, 5432, 5257, 5437, 5713, 5320, 5445, 5621, 5466, 5609, 5318, 5538, 5440, 5350, 5317, 5569, 5334, 5661, 5424, 5271, 5508, 5531, 5564, 5642, 5600, 5336, 5684, 5307, 5612, 5698, 5722, 5331, 5298, 5503, 5428, 5438, 5382, 5721 (11 hits)
27	9	1.0	333.0	Yes	5299.0MHz, -61.0dBm	Hop sequence: 5416, 5312, 5516, 5591, 5359, 5713, 5261, 5275, 5447, 5393, 5683, 5469, 5478, 5331, 5308, 5491, 5718, 5379, 5461, 5588, 5408, 5442, 5299, 5618, 5470, 5372, 5528, 5471, 5325, 5500, 5608, 5555, 5384, 5480, 5422, 5621, 5301, 5537, 5595, 5563, 5574, 5717, 5507, 5444, 5327, 5589, 5669, 5526, 5613, 5547, 5522, 5665, 5270, 5494, 5423, 5678, 5490, 5584, 5472, 5389, 5328, 5640, 5661, 5646, 5449, 5419, 5432, 5263, 5452, 5430, 5401, 5292, 5673, 5585, 5525, 5362, 5351, 5321, 5509, 5637, 5556, 5581, 5353, 5413, 5533, 5657, 5417, 5395, 5680, 5396, 5251, 5499, 5274, 5638, 5592, 5266, 5489, 5428, 5523, 5387 (5 hits)
28	9	1.0	333.0	Yes	5300.0MHz, -61.0dBm	Hop sequence: 5289, 5398, 5494, 5452, 5699, 5642, 5635, 5325, 5492, 5588, 5702,

Table 185 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5274, 5573, 5315, 5343, 5448, 5483, 5657, 5505, 5521, 5397, 5535, 5563, 5616, 5707, 5600, 5511, 5637, 5433, 5374, 5575, 5655, 5670, 5508, 5362, 5482, 5270, 5621, 5298, 5550, 5523, 5694, 5572, 5463, 5417, 5527, 5644, 5254, 5334, 5625, 5480, 5603, 5705, 5276, 5703, 5283, 5441, 5381, 5485, 5278, 5517, 5706, 5304, 5561, 5663, 5683, 5479, 5680, 5592, 5272, 5661, 5444, 5585, 5314, 5716, 5507, 5434, 5260, 5336, 5286, 5712, 5584, 5373, 5305, 5344, 5725, 5375, 5518, 5437, 5273, 5576, 5503, 5458, 5698, 5718, 5384, 5602, 5502, 5462, 5297 (9 hits)
29	9	1.0	333.0	Yes	5301.0MHz, -61.0dBm	Hop sequence: 5517, 5636, 5277, 5281, 5622, 5574, 5614, 5482, 5305, 5634, 5389, 5469, 5485, 5711, 5440, 5339, 5687, 5689, 5475, 5509, 5446, 5648, 5496, 5660, 5368, 5284, 5401, 5491, 5270, 5391, 5679, 5630, 5669, 5487, 5724, 5455, 5502, 5527, 5602, 5442, 5379, 5436, 5549, 5288, 5598, 5450, 5697, 5304, 5361, 5419, 5629, 5465, 5583, 5557, 5541, 5714, 5316, 5567, 5663, 5399, 5333, 5569, 5532, 5447, 5479, 5336, 5563, 5631, 5257, 5363, 5460, 5439, 5535, 5415, 5615, 5258, 5456, 5256, 5550, 5299, 5410, 5668, 5414, 5627, 5432, 5315, 5483, 5308, 5556, 5354, 5538, 5386, 5425, 5306, 5426, 5266, 5276, 5702, 5464, 5632 (10 hits)
30	9	1.0	333.0	Yes	5302.0MHz, -61.0dBm	Hop sequence: 5604, 5626, 5401, 5362, 5599, 5327, 5262, 5364, 5288, 5490, 5330, 5674, 5547, 5411, 5402, 5683, 5457, 5511, 5326, 5257, 5499, 5711, 5701, 5635, 5453, 5536, 5725, 5519, 5381, 5525, 5492, 5367, 5523, 5567, 5705, 5465, 5714, 5509, 5485, 5439, 5563, 5304, 5287, 5503, 5415, 5357, 5307, 5676, 5660, 5320, 5524, 5582, 5609, 5627, 5271, 5298, 5393, 5258, 5348, 5516, 5664, 5619, 5318, 5695, 5449, 5574, 5413, 5481, 5544, 5388, 5279, 5534, 5346, 5622, 5555, 5469, 5572, 5392, 5428, 5687, 5408, 5508, 5589, 5405, 5340, 5512, 5570, 5387, 5260, 5647, 5577, 5566, 5328, 5636, 5483, 5560, 5506, 5650, 5602, 5689 (6 hits)
31	9	1.0	333.0	Yes	5303.0MHz, -61.0dBm	Hop sequence: 5686, 5612, 5710, 5662, 5259, 5459, 5288, 5472, 5258, 5487, 5598, 5262, 5650, 5438, 5638, 5689, 5318, 5492, 5617, 5291, 5457, 5620, 5475, 5270, 5265, 5548, 5700, 5623, 5322, 5378, 5497, 5483, 5384, 5627, 5541, 5349, 5586, 5416, 5393, 5530, 5708, 5396, 5280, 5707, 5635, 5453, 5515, 5568, 5421, 5632, 5608, 5267, 5653, 5408, 5674, 5552, 5279, 5299, 5647, 5556, 5720, 5517, 5615, 5446, 5277, 5582, 5385, 5514, 5677, 5491, 5665, 5519, 5443, 5287, 5625, 5499, 5512, 5272, 5705, 5450, 5502, 5673, 5305, 5386, 5373, 5603, 5549, 5377, 5417, 5684, 5367, 5281, 5551, 5276, 5694, 5273, 5389, 5602, 5621, 5383 (10 hits)
32	9	1.0	333.0	Yes	5304.0MHz, -61.0dBm	Hop sequence: 5518, 5285, 5696, 5596, 5398, 5585, 5480, 5613, 5411, 5667, 5642, 5644, 5472, 5468, 5525, 5501, 5326, 5615, 5473, 5290, 5302, 5444, 5260, 5693, 5603, 5514, 5287, 5256, 5600, 5653, 5581, 5722, 5258, 5338, 5362, 5365, 5566, 5419, 5702, 5405, 5662, 5540, 5278, 5692, 5372, 5487, 5686, 5471, 5293, 5636, 5425, 5446, 5440, 5288, 5672, 5629, 5313, 5294, 5579, 5538, 5320, 5527, 5658, 5318, 5539, 5623, 5546,

Table 185 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5327, 5316, 5299, 5279, 5495, 5367, 5494, 5556, 5608, 5594, 5510, 5531, 5447, 5337, 5647, 5618, 5544, 5557, 5612, 5375, 5431, 5627, 5467, 5541, 5445, 5576, 5597, 5321, 5477, 5329, 5300, 5407, 5519 (11 hits)
33	9	1.0	333.0	Yes	5305.0MHz, -61.0dBm	Hop sequence: 5490, 5654, 5681, 5646, 5316, 5609, 5643, 5574, 5365, 5456, 5392, 5488, 5663, 5255, 5460, 5605, 5705, 5395, 5498, 5576, 5386, 5680, 5284, 5501, 5642, 5517, 5353, 5525, 5711, 5259, 5362, 5521, 5606, 5632, 5313, 5543, 5497, 5558, 5691, 5698, 5354, 5348, 5470, 5708, 5260, 5391, 5628, 5421, 5377, 5438, 5677, 5541, 5601, 5581, 5418, 5343, 5659, 5383, 5703, 5291, 5352, 5398, 5502, 5341, 5320, 5467, 5286, 5584, 5407, 5288, 5275, 5274, 5384, 5428, 5591, 5444, 5317, 5718, 5396, 5696, 5719, 5505, 5713, 5669, 5673, 5445, 5315, 5323, 5345, 5262, 5339, 5640, 5373, 5253, 5378, 5572, 5535, 5723, 5269, 5608 (5 hits)
34	9	1.0	333.0	Yes	5306.0MHz, -61.0dBm	Hop sequence: 5572, 5714, 5704, 5621, 5421, 5425, 5608, 5591, 5581, 5620, 5322, 5453, 5358, 5643, 5365, 5554, 5438, 5470, 5427, 5456, 5654, 5266, 5344, 5559, 5568, 5457, 5666, 5697, 5406, 5628, 5469, 5309, 5417, 5590, 5483, 5542, 5335, 5326, 5531, 5342, 5466, 5516, 5541, 5556, 5508, 5354, 5349, 5598, 5361, 5312, 5278, 5660, 5536, 5333, 5597, 5493, 5432, 5308, 5314, 5413, 5350, 5557, 5393, 5257, 5658, 5657, 5297, 5700, 5468, 5475, 5587, 5289, 5436, 5272, 5524, 5290, 5451, 5629, 5506, 5646, 5499, 5555, 5656, 5392, 5377, 5631, 5594, 5633, 5433, 5667, 5573, 5566, 5548, 5688, 5684, 5310, 5526, 5595, 5503, 5454 (7 hits)
35	9	1.0	333.0	Yes	5307.0MHz, -61.0dBm	Hop sequence: 5597, 5545, 5427, 5350, 5308, 5299, 5289, 5472, 5399, 5634, 5711, 5708, 5641, 5268, 5475, 5334, 5494, 5695, 5709, 5553, 5357, 5527, 5521, 5485, 5622, 5610, 5725, 5673, 5581, 5291, 5586, 5552, 5599, 5420, 5578, 5396, 5722, 5279, 5304, 5456, 5635, 5710, 5468, 5535, 5351, 5371, 5495, 5534, 5619, 5378, 5511, 5374, 5362, 5679, 5600, 5512, 5365, 5671, 5443, 5469, 5254, 5339, 5411, 5667, 5656, 5646, 5716, 5252, 5354, 5413, 5625, 5464, 5576, 5701, 5580, 5518, 5587, 5514, 5269, 5282, 5259, 5361, 5262, 5593, 5702, 5568, 5582, 5372, 5536, 5590, 5414, 5463, 5678, 5305, 5327, 5355, 5335, 5655, 5255, 5313 (8 hits)
36	9	1.0	333.0	Yes	5308.0MHz, -61.0dBm	Hop sequence: 5679, 5548, 5558, 5255, 5464, 5713, 5414, 5299, 5528, 5455, 5278, 5281, 5620, 5607, 5532, 5672, 5606, 5474, 5478, 5592, 5387, 5651, 5273, 5511, 5588, 5506, 5550, 5496, 5253, 5700, 5366, 5580, 5284, 5725, 5643, 5483, 5373, 5594, 5555, 5287, 5545, 5398, 5457, 5384, 5503, 5448, 5286, 5251, 5306, 5470, 5418, 5598, 5408, 5562, 5473, 5325, 5301, 5469, 5407, 5295, 5404, 5613, 5360, 5681, 5633, 5510, 5291, 5539, 5568, 5433, 5508, 5540, 5358, 5410, 5653, 5443, 5329, 5428, 5499, 5718, 5671, 5302, 5324, 5445, 5616, 5412, 5703, 5716, 5482, 5601, 5437, 5400, 5460, 5707, 5638, 5531, 5515, 5726, 5666, 5660 (11 hits)
37	9	1.0	333.0	Yes	5309.0MHz, -61.0dBm	Hop sequence: 5544, 5373, 5395, 5619, 5670, 5285, 5695, 5342, 5512, 5629, 5428, 5371, 5392, 5291, 5461, 5365, 5708, 5609,

Table 185 - FCC frequency hopping radar (Type 6) Results 40MHz NU CU Acquire LF						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5668, 5638, 5284, 5658, 5353, 5633, 5448, 5693, 5376, 5610, 5594, 5308, 5292, 5524, 5503, 5546, 5435, 5592, 5626, 5536, 5298, 5640, 5625, 5562, 5559, 5498, 5296, 5618, 5437, 5564, 5581, 5604, 5497, 5381, 5617, 5378, 5518, 5473, 5385, 5506, 5522, 5382, 5558, 5393, 5502, 5635, 5624, 5275, 5266, 5354, 5400, 5528, 5723, 5589, 5591, 5509, 5495, 5555, 5504, 5360, 5361, 5475, 5597, 5671, 5515, 5408, 5481, 5320, 5486, 5501, 5412, 5712, 5443, 5637, 5405, 5652, 5552, 5721, 5701, 5667, 5649, 5309 (9 hits)

Table 186 - Long Sequence Waveform Summary 40MHz NU CU Acquire LF		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5293.0MHz, -61.0dBm
Trial #2	Detected	5288.0MHz, -61.0dBm
Trial #3	Detected	5283.0MHz, -61.0dBm
Trial #4	Detected	5303.0MHz, -61.0dBm
Trial #5	Detected	5298.0MHz, -61.0dBm
Trial #6	Detected	5293.0MHz, -61.0dBm
Trial #7	Detected	5288.0MHz, -61.0dBm
Trial #8	Detected	5283.0MHz, -61.0dBm
Trial #9	Detected	5303.0MHz, -61.0dBm
Trial #10	Detected	5298.0MHz, -61.0dBm
Trial #11	Detected	5293.0MHz, -61.0dBm
Trial #12	Detected	5288.0MHz, -61.0dBm
Trial #13	Detected	5283.0MHz, -61.0dBm
Trial #14	Detected	5303.0MHz, -61.0dBm
Trial #15	Detected	5298.0MHz, -61.0dBm
Trial #16	Detected	5293.0MHz, -61.0dBm
Trial #17	Detected	5288.0MHz, -61.0dBm
Trial #18	Detected	5283.0MHz, -61.0dBm
Trial #19	Detected	5303.0MHz, -61.0dBm
Trial #20	Detected	5298.0MHz, -61.0dBm
Trial #21	Detected	5293.0MHz, -61.0dBm
Trial #22	Detected	5288.0MHz, -61.0dBm
Trial #23	Detected	5283.0MHz, -61.0dBm
Trial #24	Detected	5303.0MHz, -61.0dBm
Trial #25	Detected	5298.0MHz, -61.0dBm
Trial #26	Detected	5293.0MHz, -61.0dBm
Trial #27	Detected	5288.0MHz, -61.0dBm
Trial #28	Detected	5283.0MHz, -61.0dBm
Trial #29	Detected	5303.0MHz, -61.0dBm
Trial #30	Detected	5298.0MHz, -61.0dBm

Table 187 - Long Sequence Waveform Trial#1 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	91.8	10	-	-	1.032134
2	2	79.7	16	1974.0	-	1.338636
3	1	50.5	6	-	-	2.681587
4	1	89.1	12	-	-	3.354057
5	2	92.5	18	1561.0	-	4.783216
6	2	66.9	19	1583.0	-	5.780597
7	3	54.6	15	1617.0	1938.0	6.618156
8	2	95.8	12	1675.0	-	8.503211
9	2	87.6	8	1958.0	-	9.707620
10	3	60.5	10	1442.0	1108.0	10.480990
11	2	88.7	18	1880.0	-	11.945414

Table 188 - Long Sequence Waveform Trial#2 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	84.9	8	1171.0	1447.0	0.458653
2	1	68.1	9	-	-	1.916139
3	2	92.0	8	1643.0	-	3.221308
4	2	59.3	10	1307.0	-	5.252853
5	2	61.6	18	1549.0	-	5.697224
6	3	85.8	9	1156.0	1780.0	6.729719
7	1	62.9	17	-	-	8.702681
8	3	74.9	9	1496.0	1019.0	9.673896
9	2	100.0	11	1021.0	-	10.922679

Table 189 - Long Sequence Waveform Trial#3 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	98.4	17	-	-	0.474529
2	1	91.4	10	-	-	0.955758
3	2	68.7	18	1369.0	-	1.780060
4	2	51.4	7	1887.0	-	2.590880
5	2	98.8	18	1089.0	-	3.338269
6	2	53.7	11	1984.0	-	4.319500
7	3	61.9	20	1591.0	1898.0	4.961027
8	2	63.5	15	1251.0	-	5.982353
9	2	79.9	19	1725.0	-	6.476224
10	2	84.7	8	1675.0	-	6.925532
11	3	59.0	9	1681.0	1307.0	7.853574
12	2	82.5	7	1426.0	-	8.662073
13	2	97.7	12	1464.0	-	9.200753
14	3	79.7	13	1260.0	1828.0	10.211973
15	2	80.8	16	1209.0	-	11.065838
16	1	79.7	19	-	-	11.437123

Table 190 - Long Sequence Waveform Trial#4 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	70.9	16	-	-	1.095970
2	3	87.0	10	1155.0	1365.0	1.424775
3	1	56.5	8	-	-	2.849106
4	1	96.4	9	-	-	3.660106
5	3	98.3	16	1195.0	1676.0	5.641084
6	2	61.5	6	1159.0	-	6.106035
7	3	81.7	9	1540.0	1236.0	8.025284
8	3	95.7	12	1651.0	1755.0	8.653927
9	2	84.6	14	1585.0	-	9.954247
10	2	94.9	17	1040.0	-	11.431461

Table 191 - Long Sequence Waveform Trial#5 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	81.3	16	1420.0	1858.0	0.203890
2	2	57.5	15	1206.0	-	1.320616
3	2	57.1	8	1997.0	-	2.023856
4	2	79.2	15	1551.0	-	2.164236
5	2	63.6	10	1119.0	-	3.299100
6	3	57.9	19	1266.0	1843.0	3.654913
7	3	73.1	14	1734.0	1620.0	4.813049
8	1	94.8	9	-	-	4.962009
9	1	64.2	6	-	-	5.789930
10	2	54.1	15	1582.0	-	6.859048
11	1	75.5	8	-	-	7.407801
12	2	77.3	14	1943.0	-	7.814336
13	2	61.8	9	1641.0	-	8.822526
14	1	53.1	8	-	-	9.722026
15	2	74.5	17	1764.0	-	10.453888
16	2	99.9	19	1083.0	-	10.744535
17	3	96.6	20	1138.0	1469.0	11.330369

Table 192 - Long Sequence Waveform Trial#6 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	52.7	9	-	-	0.526271
2	2	54.8	9	1700.0	-	1.307547
3	2	82.9	6	1483.0	-	1.627330
4	2	69.7	16	1797.0	-	2.929207
5	3	58.0	10	1176.0	1578.0	3.430300
6	1	87.9	19	-	-	3.854687
7	1	87.7	9	-	-	4.986869
8	2	66.3	19	1918.0	-	5.696112
9	3	100.0	9	1076.0	1224.0	6.467012
10	2	86.9	13	1880.0	-	6.855661
11	3	87.4	18	1786.0	1211.0	7.999145
12	2	83.1	8	1786.0	-	8.792746
13	3	88.4	7	1144.0	1745.0	9.516519
14	1	67.4	17	-	-	9.998899

Table 192 - Long Sequence Waveform Trial#6 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
15	3	75.8	14	1525.0	1059.0	10.879118
16	3	71.2	19	1001.0	1064.0	11.828442

Table 193 - Long Sequence Waveform Trial#7 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	83.3	9	1738.0	-	0.544003
2	2	52.4	18	1839.0	-	1.920464
3	1	92.0	8	-	-	2.073070
4	2	91.5	18	1896.0	-	3.862896
5	1	62.2	14	-	-	4.848503
6	2	93.1	16	1516.0	-	5.433966
7	1	53.6	15	-	-	6.934202
8	2	54.5	6	1652.0	-	7.843295
9	1	72.3	19	-	-	8.413162
10	1	80.1	18	-	-	9.380470
11	2	59.4	8	1438.0	-	10.259282
12	2	76.3	9	1982.0	-	11.884966

Table 194 - Long Sequence Waveform Trial#8 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	82.1	17	1081.0	1842.0	0.386557
2	1	68.2	9	-	-	1.599093
3	2	53.1	16	1768.0	-	2.464428
4	1	62.4	13	-	-	2.726784
5	2	84.4	13	1976.0	-	3.513374
6	2	74.0	19	1244.0	-	5.011081
7	2	99.4	6	1817.0	-	5.767486
8	1	96.8	19	-	-	6.589831
9	2	82.1	9	1611.0	-	7.194816
10	2	68.2	11	1591.0	-	8.278898
11	3	96.0	6	1414.0	1511.0	8.778528
12	1	87.0	8	-	-	9.925406
13	3	55.1	12	1929.0	1905.0	10.644644
14	3	60.4	16	1845.0	1232.0	11.782126

Table 195 - Long Sequence Waveform Trial#9 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	81.2	19	1899.0	1962.0	0.733570
2	3	71.8	7	1315.0	1382.0	1.556113
3	2	56.6	16	1234.0	-	4.341979
4	3	76.2	7	1649.0	1368.0	4.621997
5	3	83.6	19	1373.0	1737.0	6.180990
6	2	59.3	19	1180.0	-	7.542812
7	2	74.6	17	1414.0	-	9.455211
8	1	98.2	14	-	-	11.924594

Table 196 - Long Sequence Waveform Trial#10 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	63.1	19	1216.0	-	0.329767
2	2	73.6	10	1841.0	-	1.017637
3	3	75.9	18	1561.0	1362.0	1.799788
4	3	63.4	17	1774.0	1336.0	2.526288
5	2	66.0	5	1383.0	-	3.430315
6	2	58.4	18	1841.0	-	4.790522
7	2	89.5	9	1860.0	-	5.514767
8	3	91.2	6	1534.0	1533.0	6.113586
9	2	91.4	13	1671.0	-	7.117533
10	3	89.3	19	1205.0	1233.0	7.467629
11	2	94.4	8	1379.0	-	8.260151
12	3	73.0	6	1813.0	1116.0	8.870303
13	1	82.5	17	-	-	10.080499
14	2	51.2	16	1762.0	-	10.599194
15	3	64.1	19	1434.0	1485.0	11.629271

Table 197 - Long Sequence Waveform Trial#11 (Detected) 40MHz NU CU Acquire LF						
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	1330.0	1381.0	0.037559
2	1	83.1	16	-	-	1.109116
3	2	77.3	9	1060.0	-	2.158296
4	1	59.1	13	-	-	2.313207
5	2	98.1	18	1197.0	-	3.653049
6	2	80.2	18	1669.0	-	3.860703
7	3	69.6	13	1240.0	1294.0	4.594662
8	2	51.1	17	1789.0	-	5.479316
9	2	59.7	18	1830.0	-	6.326816
10	3	86.0	11	1160.0	1211.0	7.494485
11	3	52.4	13	1078.0	1870.0	8.073036
12	2	99.8	7	1907.0	-	8.722869
13	2	72.2	10	1059.0	-	9.700592
14	1	50.2	18	-	-	10.233173
15	1	51.3	12	-	-	10.603816
16	3	56.4	9	1524.0	1007.0	11.817363

Table 198 - Long Sequence Waveform Trial#12 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	68.6	6	1985.0	1191.0	0.385691
2	3	57.1	19	1356.0	1717.0	1.584402
3	2	62.0	18	1180.0	-	2.212090
4	1	93.2	20	-	-	2.745021
5	1	84.2	20	-	-	3.303221
6	2	92.2	7	1552.0	-	4.561335
7	3	93.8	12	1269.0	1209.0	4.849825
8	2	91.1	12	1951.0	-	5.770666
9	1	78.4	11	-	-	6.611155
10	1	90.8	9	-	-	7.937728
11	2	64.7	15	1430.0	-	8.433020
12	1	93.3	16	-	-	9.528104
13	2	87.4	13	1202.0	-	9.822597
14	2	82.3	9	1626.0	-	10.841826
15	2	57.8	12	1175.0	-	11.519209

Table 199 - Long Sequence Waveform Trial#13 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	89.9	20	1573.0	1689.0	0.280714
2	3	50.7	16	1671.0	1384.0	1.084737
3	2	54.5	11	1853.0	-	2.497905
4	1	96.8	9	-	-	3.099594
5	1	90.0	17	-	-	4.949065
6	2	62.0	11	1040.0	-	5.770494
7	1	73.8	7	-	-	6.538057
8	2	57.0	7	1438.0	-	7.933321
9	1	82.0	15	-	-	8.624358
10	2	97.3	18	1337.0	-	9.415939
11	2	89.7	9	1733.0	-	10.958790
12	2	61.6	14	1419.0	-	11.008443

Table 200 - Long Sequence Waveform Trial#14 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	99.5	8	1202.0	1750.0	0.464792
2	3	84.7	11	1730.0	1152.0	1.304829
3	1	62.8	20	-	-	1.779732
4	2	92.4	6	1673.0	-	2.438636
5	3	62.4	14	1670.0	1683.0	3.271308
6	2	70.3	6	1211.0	-	4.375553
7	2	96.3	16	1770.0	-	5.002726
8	1	77.3	15	-	-	5.850735
9	3	91.4	13	1770.0	1497.0	6.346399
10	2	75.8	8	1865.0	-	7.448671
11	2	50.2	9	1593.0	-	7.950826
12	3	62.9	9	1313.0	1738.0	8.856218
13	2	82.4	13	1225.0	-	9.389770
14	2	89.1	11	1600.0	-	10.156292
15	3	51.2	19	1202.0	1542.0	10.621006
16	1	72.6	16	-	-	11.380457

Table 201 - Long Sequence Waveform Trial#15 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	69.4	19	1979.0	1961.0	0.640404
2	1	81.6	13	-	-	1.333427
3	2	56.0	17	1391.0	-	2.207202
4	3	67.3	16	1243.0	1474.0	2.812849
5	3	72.0	14	1004.0	1710.0	3.450547
6	2	60.5	15	1428.0	-	4.431190
7	2	50.9	11	1064.0	-	5.083827
8	1	92.1	12	-	-	5.266753
9	2	99.7	6	1300.0	-	6.670368
10	3	85.6	10	1751.0	1861.0	6.968214
11	2	74.6	14	1280.0	-	8.021678
12	3	90.8	17	1232.0	1290.0	8.337230
13	1	69.8	12	-	-	9.236180
14	1	85.2	19	-	-	10.329133
15	1	56.1	13	-	-	10.812497
16	1	86.3	13	-	-	11.447834

Table 202 - Long Sequence Waveform Trial#16 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	93.8	15	-	-	0.646558
2	2	63.9	18	1839.0	-	1.640083
3	1	84.0	10	-	-	1.824185
4	2	54.8	9	1508.0	-	2.660854
5	1	74.6	15	-	-	3.707257
6	3	91.7	10	1264.0	1927.0	4.980203
7	1	90.1	14	-	-	5.670378
8	3	80.3	20	1571.0	1132.0	6.399656
9	2	63.1	15	1492.0	-	6.868570
10	1	99.9	9	-	-	8.562464
11	2	60.0	10	1856.0	-	8.806053
12	3	66.8	15	1497.0	1383.0	10.222783
13	2	54.0	15	1748.0	-	11.102520
14	3	81.6	19	1395.0	1988.0	11.348730

Table 203 - Long Sequence Waveform Trial#17 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	71.7	10	1322.0	-	0.242090
2	1	90.5	19	-	-	0.806233
3	2	78.4	15	1313.0	-	1.691082
4	3	99.3	13	1782.0	1715.0	2.454271
5	1	85.2	11	-	-	2.639972
6	3	62.2	9	1463.0	1521.0	3.313832
7	3	94.7	14	1376.0	1425.0	3.808800
8	2	77.3	11	1455.0	-	4.680532
9	1	66.4	18	-	-	5.525527
10	2	74.9	14	1791.0	-	5.736825
11	3	88.0	14	1734.0	1197.0	6.762953
12	3	63.4	17	1770.0	1774.0	7.513771
13	2	91.8	9	1892.0	-	7.898623
14	3	85.2	11	1621.0	1238.0	8.391422
15	2	89.9	7	1877.0	-	9.442967
16	3	66.1	12	1540.0	1780.0	9.710805
17	2	57.8	9	1563.0	-	10.198120
18	2	58.9	6	1380.0	-	11.304438
19	2	87.9	10	1394.0	-	11.517559

Table 204 - Long Sequence Waveform Trial#18 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	83.4	8	1509.0	-	0.347339
2	1	90.4	16	-	-	0.712303
3	2	61.1	12	1325.0	-	1.810557
4	1	97.0	6	-	-	2.123341
5	2	53.0	10	1167.0	-	3.004490
6	1	70.4	7	-	-	3.567253
7	2	91.9	9	1699.0	-	4.890624
8	1	94.3	19	-	-	5.025808
9	2	58.2	10	1952.0	-	5.688047
10	2	99.3	20	1557.0	-	6.720104
11	2	50.4	12	1127.0	-	7.574077
12	2	81.0	8	1086.0	-	7.801186
13	3	83.8	10	1048.0	1870.0	8.826104
14	2	76.9	12	1394.0	-	9.874207
15	2	66.8	7	1818.0	-	10.277891
16	2	94.8	8	1609.0	-	10.786425
17	3	84.5	10	1316.0	1821.0	11.431501

Table 205 - Long Sequence Waveform Trial#19 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	54.6	10	-	-	0.143400
2	2	58.7	9	1502.0	-	1.376124
3	2	65.8	5	1809.0	-	2.189426
4	3	60.9	13	1866.0	1307.0	3.395182
5	1	76.1	10	-	-	5.341538
6	2	98.3	12	1676.0	-	6.352560
7	2	82.8	8	1317.0	-	6.809182
8	1	84.4	6	-	-	8.545108
9	1	93.3	13	-	-	9.635093
10	3	61.3	7	1678.0	1527.0	10.628845
11	3	70.7	16	1377.0	1045.0	11.465535

Table 206 - Long Sequence Waveform Trial#20 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	98.7	7	1231.0	1520.0	0.289612
2	2	62.4	9	1391.0	-	1.559532
3	2	96.3	10	1034.0	-	1.917549
4	3	69.0	8	1689.0	1638.0	3.127428
5	1	90.1	7	-	-	3.707486
6	1	93.1	18	-	-	4.358891
7	2	82.7	15	1033.0	-	4.953997
8	1	56.0	18	-	-	5.752893
9	2	52.3	6	1861.0	-	7.141803
10	1	87.5	6	-	-	7.898118
11	1	74.3	11	-	-	8.734610
12	3	70.5	14	1323.0	1820.0	9.372445
13	2	85.8	8	1324.0	-	10.049408
14	2	60.1	17	1794.0	-	10.491929
15	2	69.5	18	1162.0	-	11.361057

Table 207 - Long Sequence Waveform Trial#21 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	91.1	17	1341.0	1926.0	0.215928
2	3	90.9	14	1416.0	1738.0	1.181290
3	3	92.1	12	1635.0	1714.0	1.645928
4	2	93.0	19	1845.0	-	2.662379
5	1	76.5	12	-	-	3.068765
6	3	98.0	9	1674.0	1926.0	3.509762
7	1	62.0	9	-	-	4.660093
8	2	89.7	9	1650.0	-	4.915163
9	2	62.7	18	1059.0	-	5.506857
10	2	77.7	13	1966.0	-	6.413120
11	1	57.3	17	-	-	7.323695
12	2	54.4	9	1352.0	-	7.639482
13	1	50.9	19	-	-	8.476600
14	1	92.0	5	-	-	9.237045
15	2	63.1	19	1589.0	-	9.689209
16	3	75.0	10	1893.0	1686.0	10.312172
17	3	70.2	11	1731.0	1601.0	11.325600
18	2	72.9	16	1331.0	-	11.585786

Table 208 - Long Sequence Waveform Trial#22 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.5	17	1975.0	-	0.277824
2	3	82.7	8	1620.0	1308.0	1.493995
3	2	79.5	6	1068.0	-	1.880826
4	1	82.8	11	-	-	2.518194
5	3	61.9	12	1326.0	1371.0	3.936001
6	2	55.6	9	1822.0	-	4.328804
7	2	90.6	11	1384.0	-	5.396351
8	2	51.8	6	1212.0	-	5.970084
9	2	85.7	11	1047.0	-	7.165188
10	1	96.8	6	-	-	7.603692
11	3	95.5	17	1618.0	1259.0	8.095058
12	1	57.7	12	-	-	9.113697
13	3	82.3	16	1348.0	1894.0	9.727473
14	2	81.7	7	1021.0	-	11.165452
15	1	91.8	17	-	-	11.555648

Table 209 - Long Sequence Waveform Trial#23 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	79.3	17	1939.0	1940.0	0.190035
2	3	92.7	16	1071.0	1326.0	0.879187
3	2	57.2	10	1570.0	-	1.315616
4	1	98.0	12	-	-	2.048714
5	1	57.5	11	-	-	2.669226
6	2	54.0	9	1822.0	-	3.373875
7	3	59.1	11	1392.0	1393.0	4.106825
8	2	66.6	19	1216.0	-	4.973054
9	2	53.0	11	1801.0	-	5.172519
10	3	78.1	14	1927.0	1176.0	5.998306
11	1	99.6	18	-	-	6.762748
12	2	76.9	13	1495.0	-	7.557222
13	1	59.4	18	-	-	7.768015
14	2	71.9	5	1384.0	-	8.512222
15	2	55.7	6	1368.0	-	9.248710
16	2	75.0	12	1528.0	-	9.513056
17	2	59.5	20	1428.0	-	10.333854
18	3	90.5	17	1801.0	1960.0	10.941989
19	3	96.7	20	1365.0	1665.0	11.763074

Table 210 - Long Sequence Waveform Trial#24 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	52.0	10	-	-	1.140745
2	2	86.5	11	1552.0	-	2.213815
3	3	81.2	14	1837.0	1998.0	2.809267
4	3	82.1	9	1350.0	1273.0	4.059261
5	1	70.0	9	-	-	5.183739
6	2	60.0	17	1176.0	-	6.827122
7	2	59.7	11	1809.0	-	7.403117
8	3	85.7	9	1326.0	1212.0	9.533159
9	1	70.9	11	-	-	10.336379
10	1	93.9	15	-	-	10.944963

Table 211 - Long Sequence Waveform Trial#25 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.9	10	1404.0	-	0.679431
2	3	74.2	16	1642.0	1535.0	1.469928
3	1	96.6	8	-	-	1.906507
4	2	57.0	14	1973.0	-	2.786927
5	2	69.5	9	1496.0	-	3.988263
6	1	61.5	10	-	-	4.670626
7	1	59.9	6	-	-	4.818514
8	1	67.6	6	-	-	5.916659
9	2	59.1	14	1661.0	-	6.735093
10	2	99.1	7	1921.0	-	7.491962
11	1	75.7	13	-	-	8.678930
12	2	80.5	15	1015.0	-	8.885312
13	2	60.5	15	1250.0	-	9.708606
14	2	94.2	16	1835.0	-	10.428049
15	2	88.9	9	1797.0	-	11.866884

Table 212 - Long Sequence Waveform Trial#26 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	75.4	17	-	-	1.110720
2	1	56.1	18	-	-	1.956726
3	2	69.0	12	1413.0	-	3.282186
4	2	89.6	17	1424.0	-	3.662454
5	3	68.3	14	1442.0	1504.0	4.809736
6	2	92.5	9	1327.0	-	6.906575
7	2	98.3	11	1258.0	-	7.610829
8	3	74.5	8	1311.0	1552.0	9.362863
9	2	79.1	6	1713.0	-	9.639827
10	1	66.6	16	-	-	11.501430

Table 213 - Long Sequence Waveform Trial#27 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	58.8	9	1215.0	1131.0	0.555542
2	1	78.8	13	-	-	0.750395
3	3	99.6	9	1526.0	1973.0	1.586447
4	2	86.7	7	1994.0	-	2.040589
5	3	85.8	11	1759.0	1291.0	2.795671
6	3	99.6	11	1257.0	1078.0	3.277208
7	1	57.7	12	-	-	4.241339
8	1	88.8	12	-	-	4.892068
9	1	80.4	9	-	-	5.413771
10	1	89.3	17	-	-	6.026753
11	2	64.5	13	1489.0	-	6.397076
12	1	56.5	6	-	-	7.059327
13	1	96.0	19	-	-	8.004795
14	2	68.6	20	1025.0	-	8.294803
15	1	91.4	10	-	-	9.083882
16	2	64.2	17	1190.0	-	9.476150
17	2	79.3	17	1311.0	-	10.359901
18	2	61.8	6	1465.0	-	11.175444
19	1	89.6	11	-	-	11.587944

Table 214 - Long Sequence Waveform Trial#28 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	91.6	10	1526.0	1344.0	0.330397
2	2	51.3	10	1011.0	-	0.906658
3	1	54.0	12	-	-	1.928495
4	3	79.6	8	1583.0	1255.0	2.599887
5	2	74.9	11	1452.0	-	3.424684
6	3	90.3	16	1967.0	1675.0	4.082315
7	2	95.9	6	1763.0	-	4.366546
8	3	65.2	12	1009.0	1496.0	5.488831
9	2	81.1	15	1892.0	-	5.838092
10	3	87.7	11	1115.0	1358.0	7.008774
11	2	58.9	20	1476.0	-	7.130440
12	2	52.6	11	1381.0	-	8.026745
13	2	83.0	12	1747.0	-	8.837687
14	2	98.8	13	1074.0	-	9.855033
15	2	56.5	6	1345.0	-	10.541275
16	2	70.8	6	1234.0	-	10.938348
17	2	73.2	14	1674.0	-	11.673482

Table 215 - Long Sequence Waveform Trial#29 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	97.6	15	1024.0	-	0.391026
2	2	80.7	10	1454.0	-	1.005697
3	1	66.9	19	-	-	1.585629
4	3	91.6	20	1159.0	1284.0	1.953753
5	2	70.4	8	1034.0	-	2.961528
6	2	83.6	9	1557.0	-	3.755789
7	3	60.9	11	1946.0	1062.0	3.907595
8	2	97.1	19	1228.0	-	4.783995
9	2	84.6	14	1420.0	-	5.657372
10	2	83.3	6	1799.0	-	6.044606
11	2	53.7	18	1299.0	-	6.773188
12	2	86.4	9	1735.0	-	7.458301
13	3	81.7	8	1785.0	1264.0	7.828632
14	2	64.2	16	1437.0	-	8.487367
15	3	92.1	11	1935.0	1572.0	9.396802
16	2	81.2	10	1769.0	-	9.634838
17	1	64.8	15	-	-	10.296048
18	2	79.8	6	1697.0	-	10.972773
19	3	90.0	14	1236.0	1183.0	11.787270

Table 216 - Long Sequence Waveform Trial#30 (Detected) 40MHz NU CU Acquire LF						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	75.7	5	-	-	0.471927
2	2	93.1	16	1624.0	-	0.782681
3	1	58.9	11	-	-	2.210111
4	2	74.5	13	1187.0	-	2.518309
5	3	53.7	18	1947.0	1967.0	3.059224
6	2	54.5	12	1798.0	-	4.087405
7	1	89.6	17	-	-	5.096932
8	1	72.4	6	-	-	5.983899
9	2	75.4	5	1588.0	-	6.166668
10	1	57.6	14	-	-	7.011652
11	2	90.4	19	1390.0	-	8.023453
12	1	58.5	11	-	-	8.542001
13	3	79.2	8	1745.0	1348.0	9.299741
14	2	74.5	16	1964.0	-	10.167614
15	1	98.8	18	-	-	11.119129
16	1	80.6	9	-	-	11.430501

Appendix C Test Data Tables and Plots for Channel Closing

FCC PART 15 SUBPART E Channel Closing Measurements

Table 217 - FCC Part 15 Subpart E Channel Closing Test Results – NU Steady State 30MHz					
Waveform Type	Channel Closing Transmission Time [1]		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	0	60 ms	0.2	10 s	Pass
Radar Type 5	0	60 ms	0	10 s	Pass

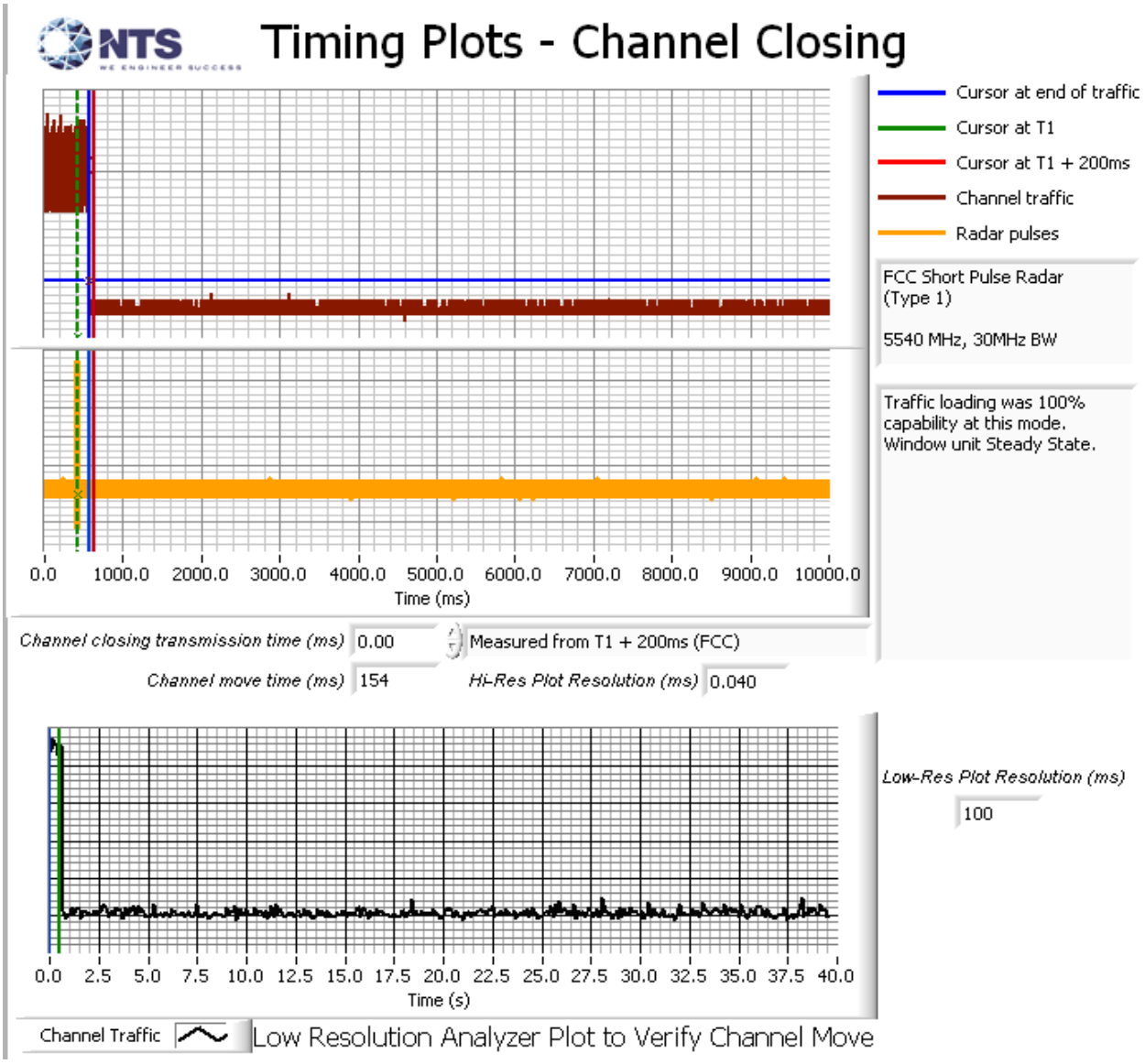


Figure 10 Channel Closing and Move Time (NU Steady State 30MHz) – 40 second plot

[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.

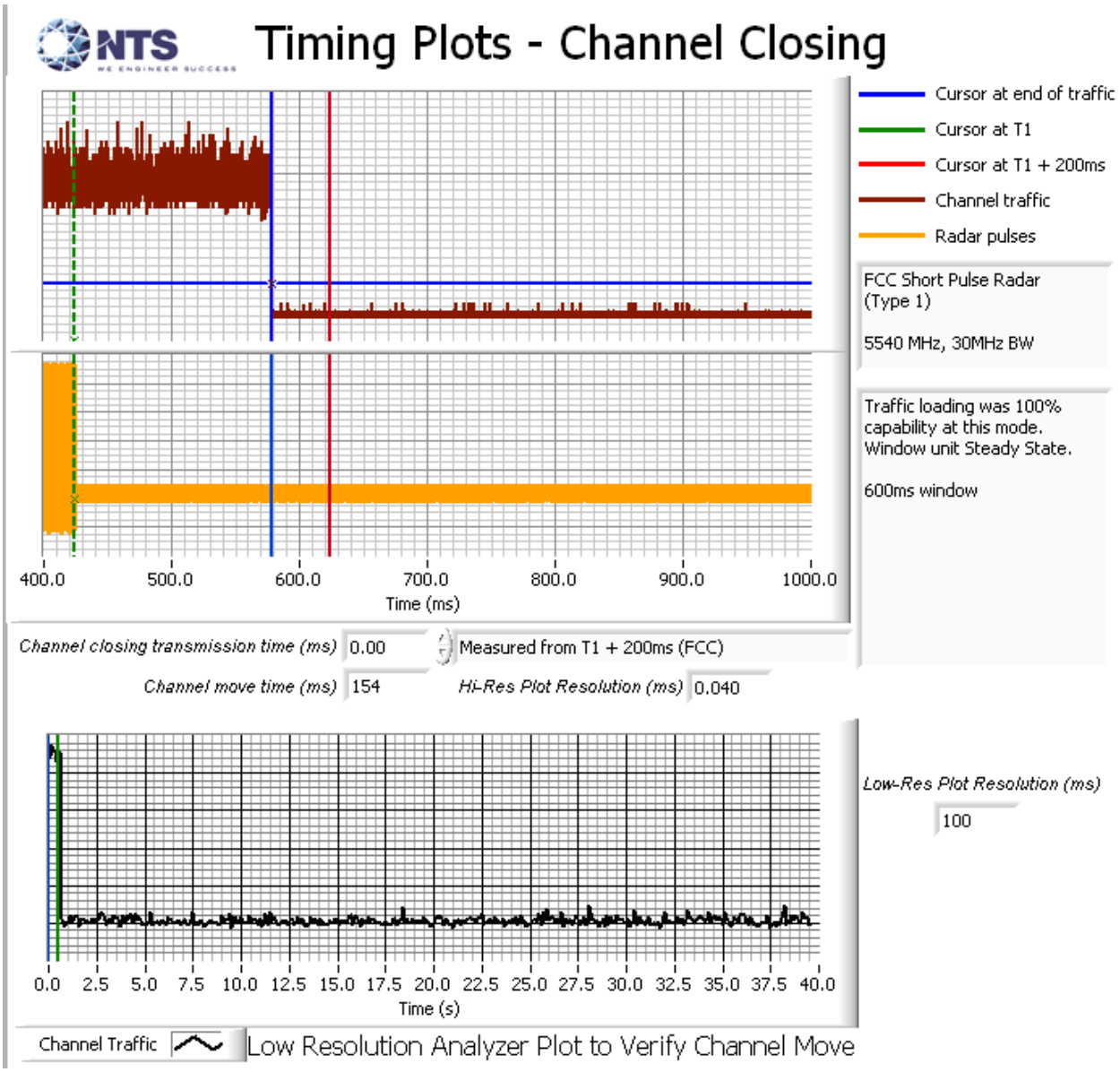


Figure 11 Close-Up Plot, more than 200ms after The End of Radar (NU Steady State 30MHz)

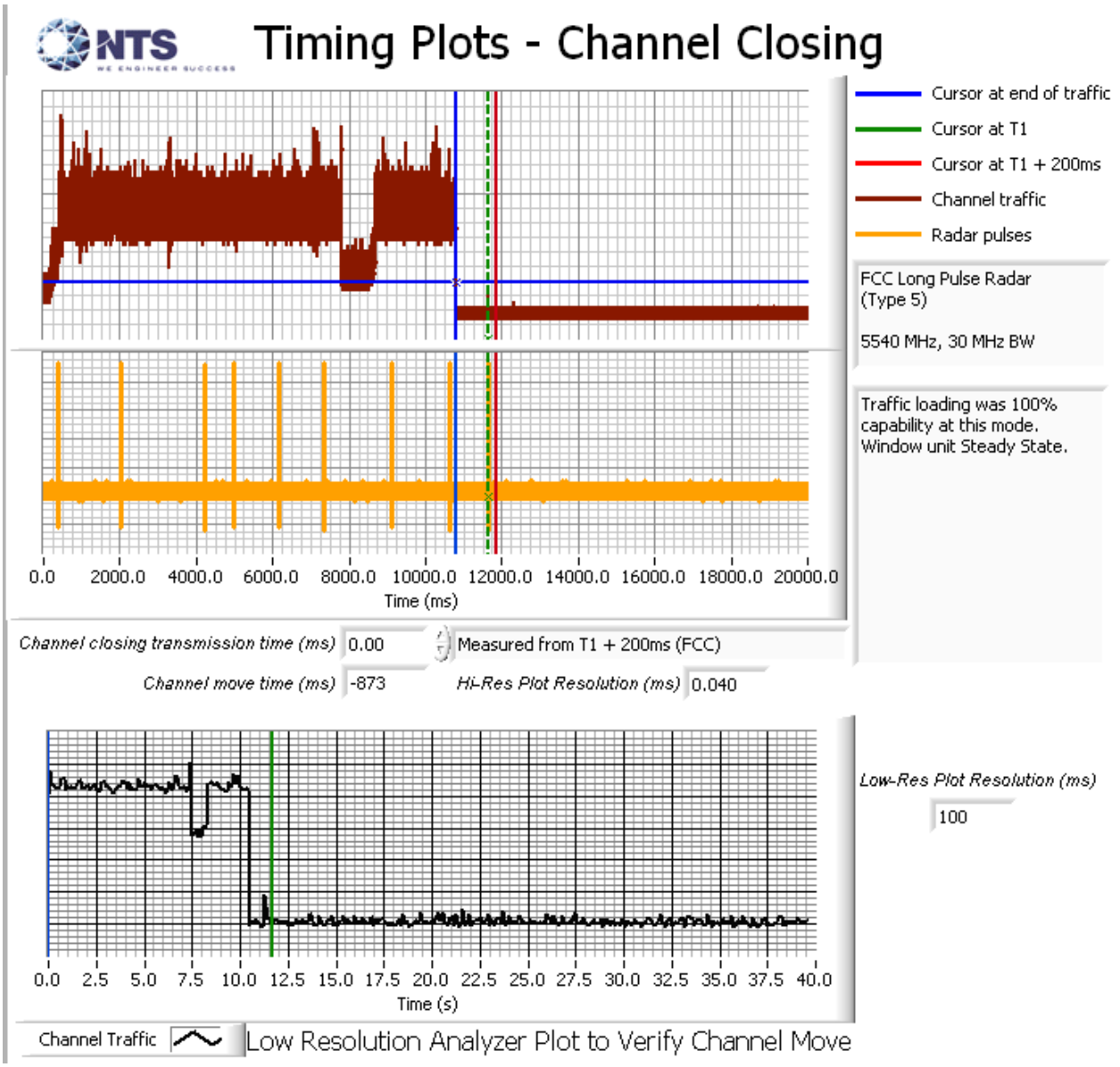


Figure 12 Channel Closing and Move Time (NU Steady State 30MHz) – 40 second plot

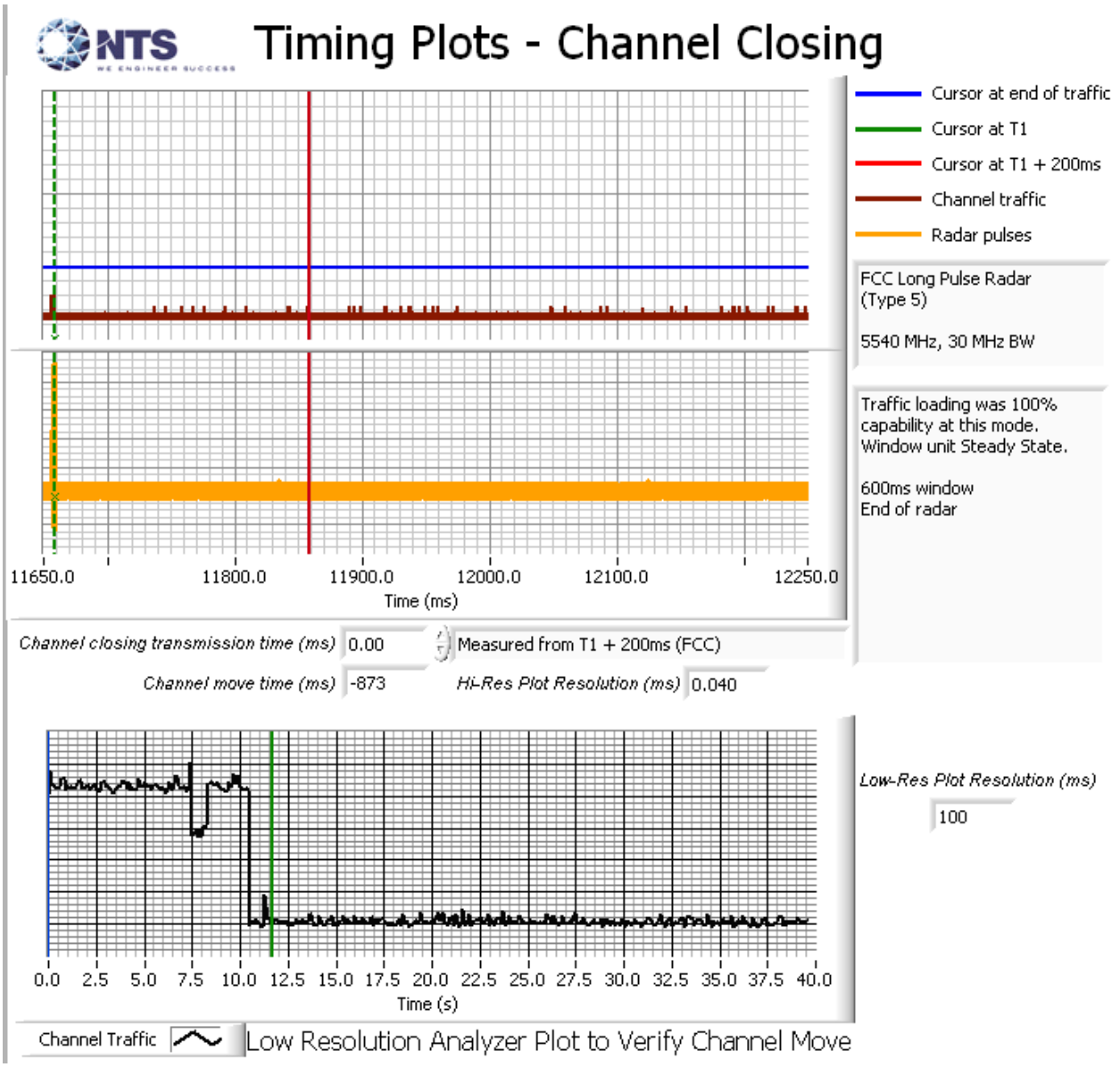


Figure 13 Close-Up Plot, more than 200ms after The End of Radar (NU Steady State 30MHz)

Table 218 - FCC Part 15 Subpart E Channel Closing Test Results – NU Steady State 40MHz					
Waveform Type	Channel Closing Transmission Time [1]		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	0	60 ms	0.2	10 s	Pass
Radar Type 5	0	60 ms	0	10 s	Pass

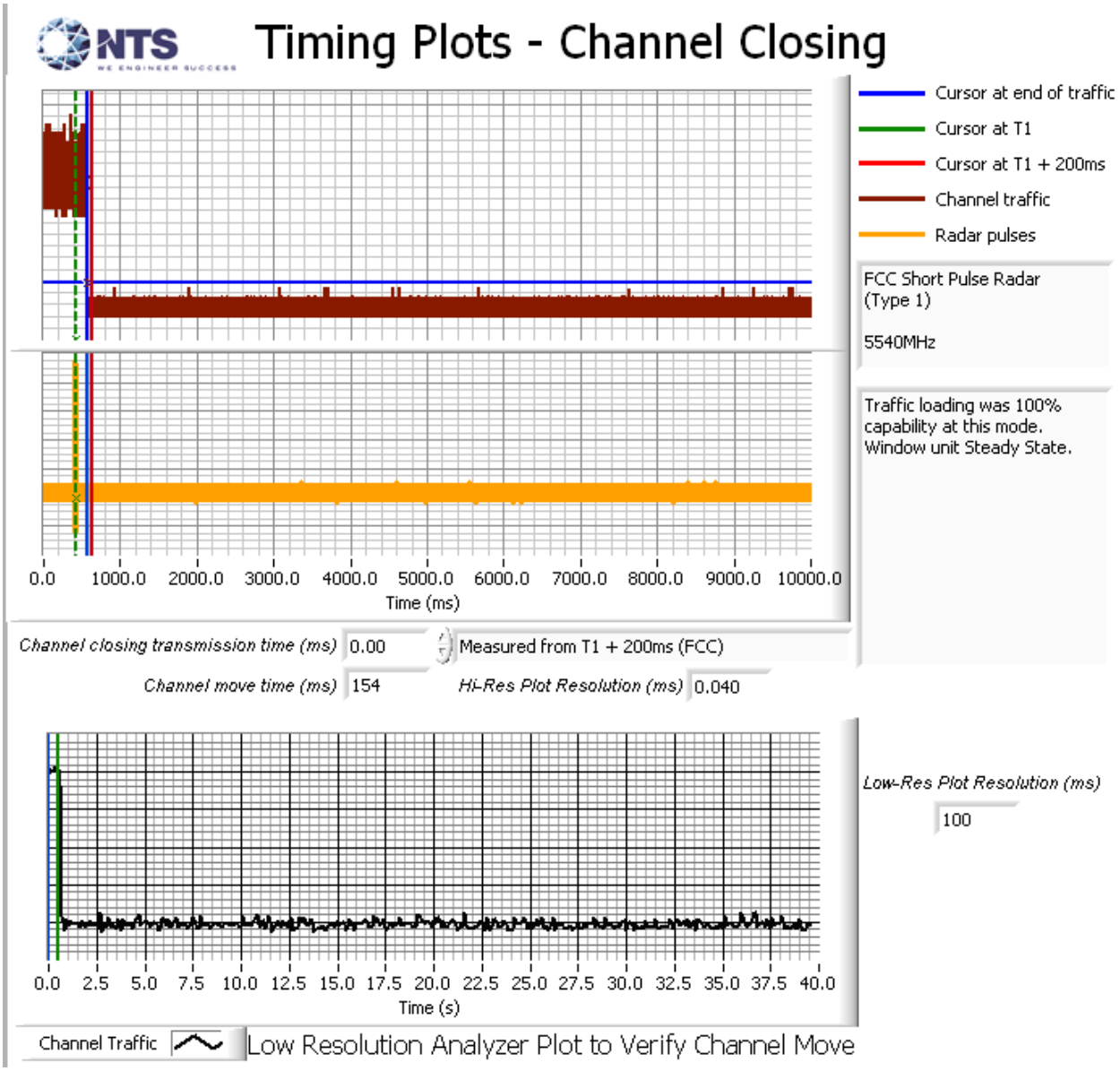


Figure 14 Channel Closing and Move Time (NU Steady State 40MHz) – 40 second plot

[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.

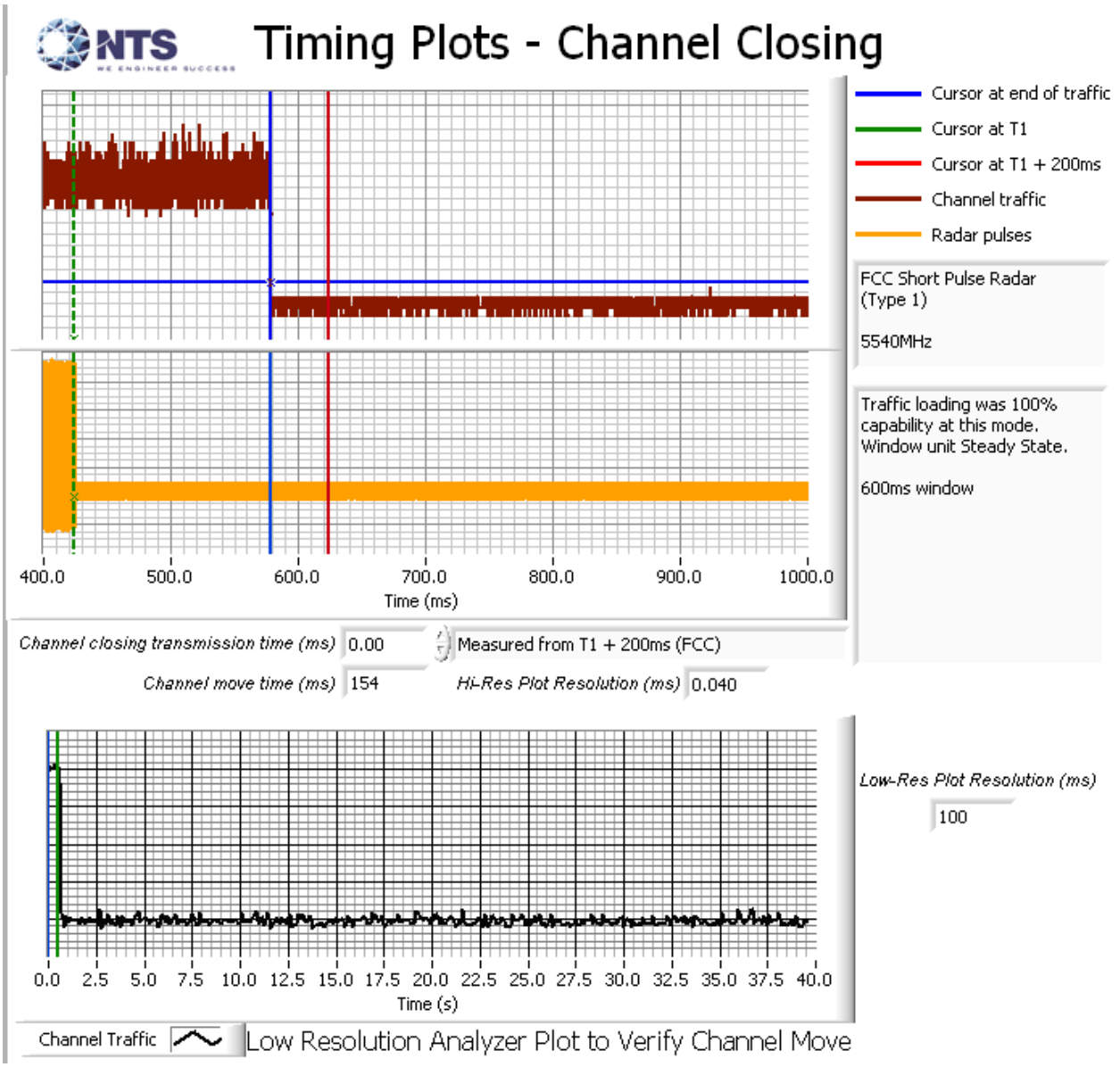


Figure 15 Close-Up Plot, more than 200ms after The End of Radar (NU Steady State 40MHz)

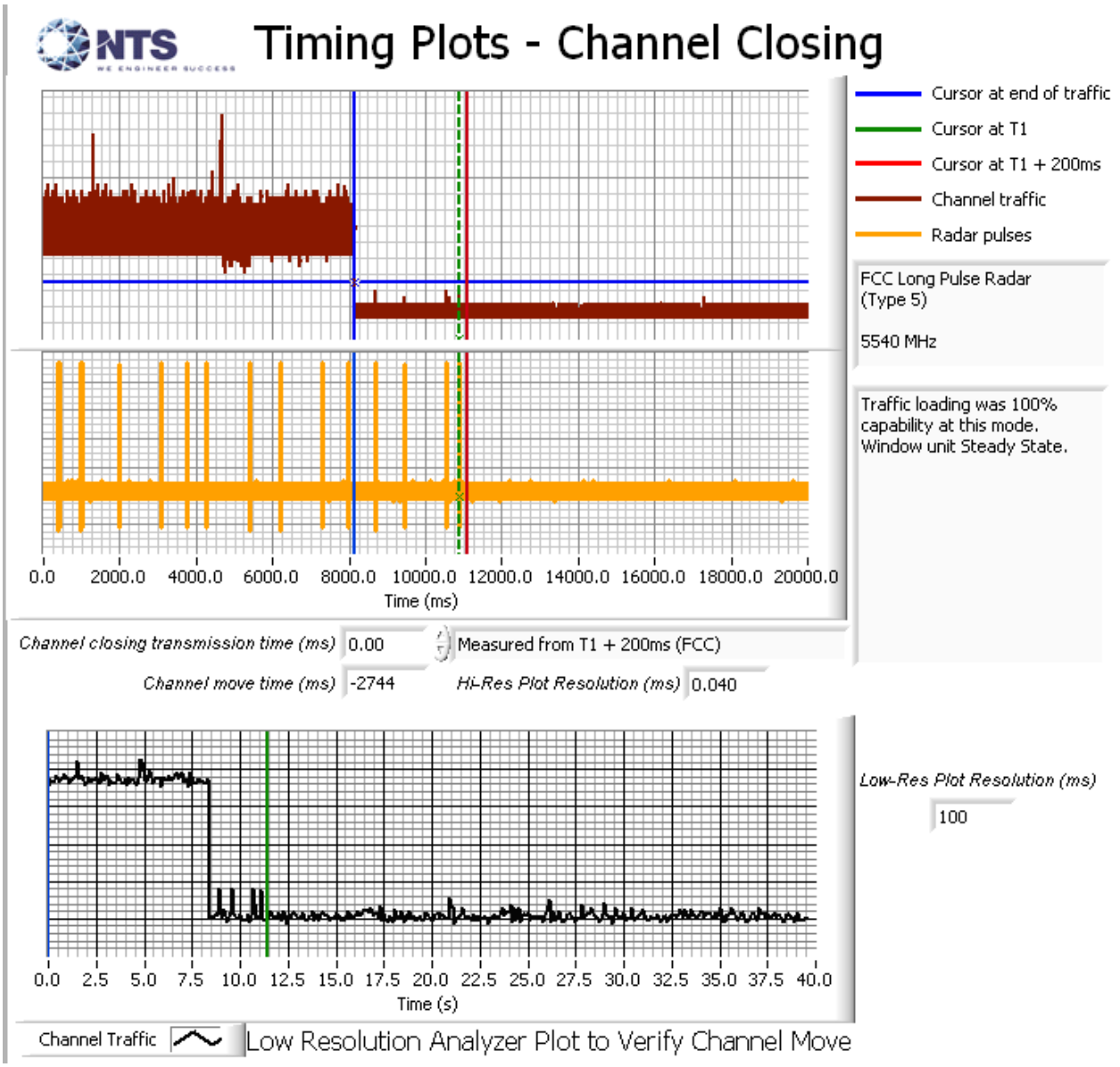


Figure 16 Channel Closing and Move Time (NU Steady State 40MHz) – 40 second plot

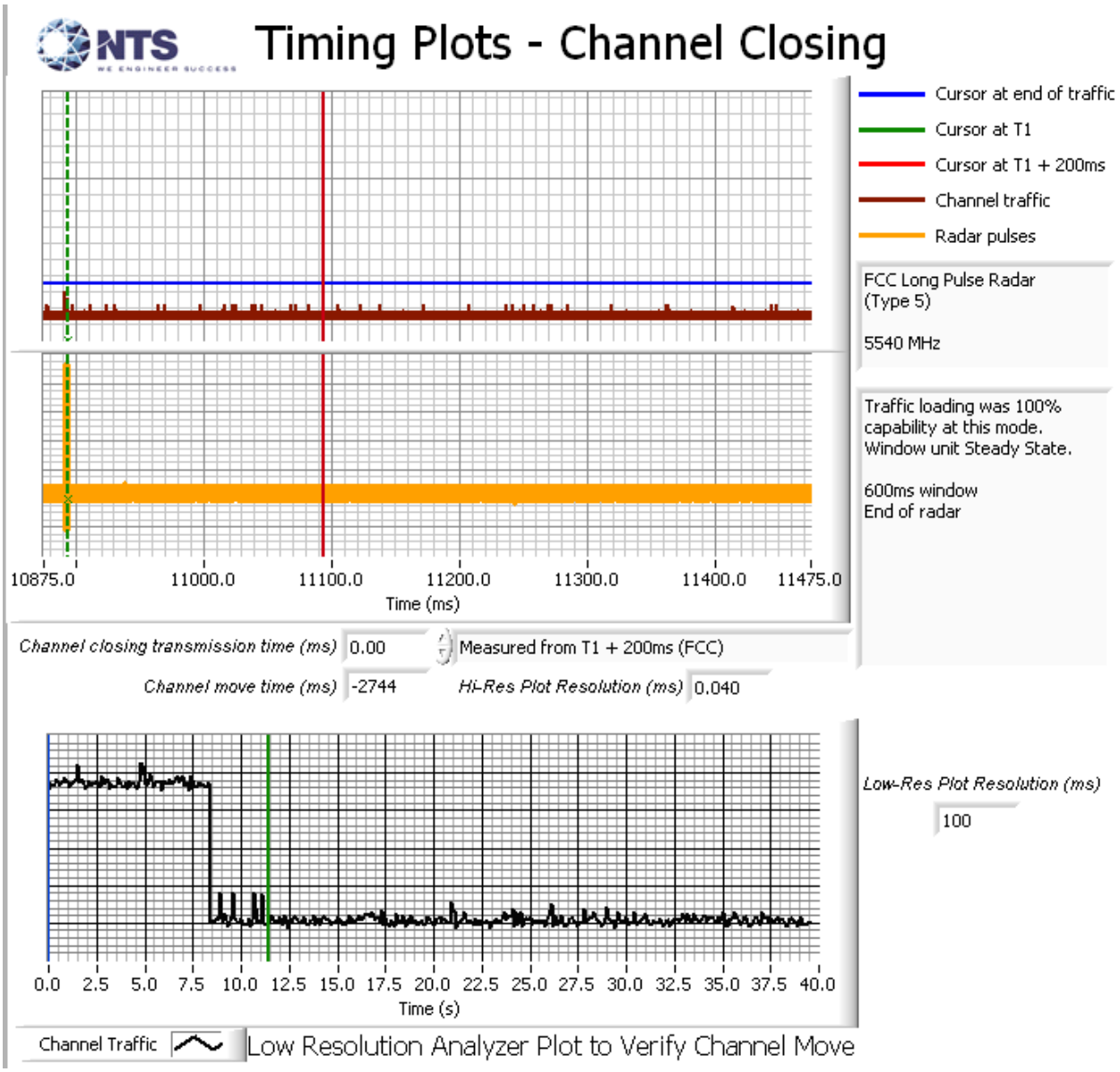


Figure 17 Close-Up Plot, more than 200ms after The End of Radar (NU Steady State 40MHz)

Table 219 - FCC Part 15 Subpart E Channel Closing Test Results – WU CU Aquire 40MHz					
Waveform Type	Channel Closing Transmission Time [1]		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	0	60 ms	0	10 s	Pass
Radar Type 5	0	60 ms	0	10 s	Pass

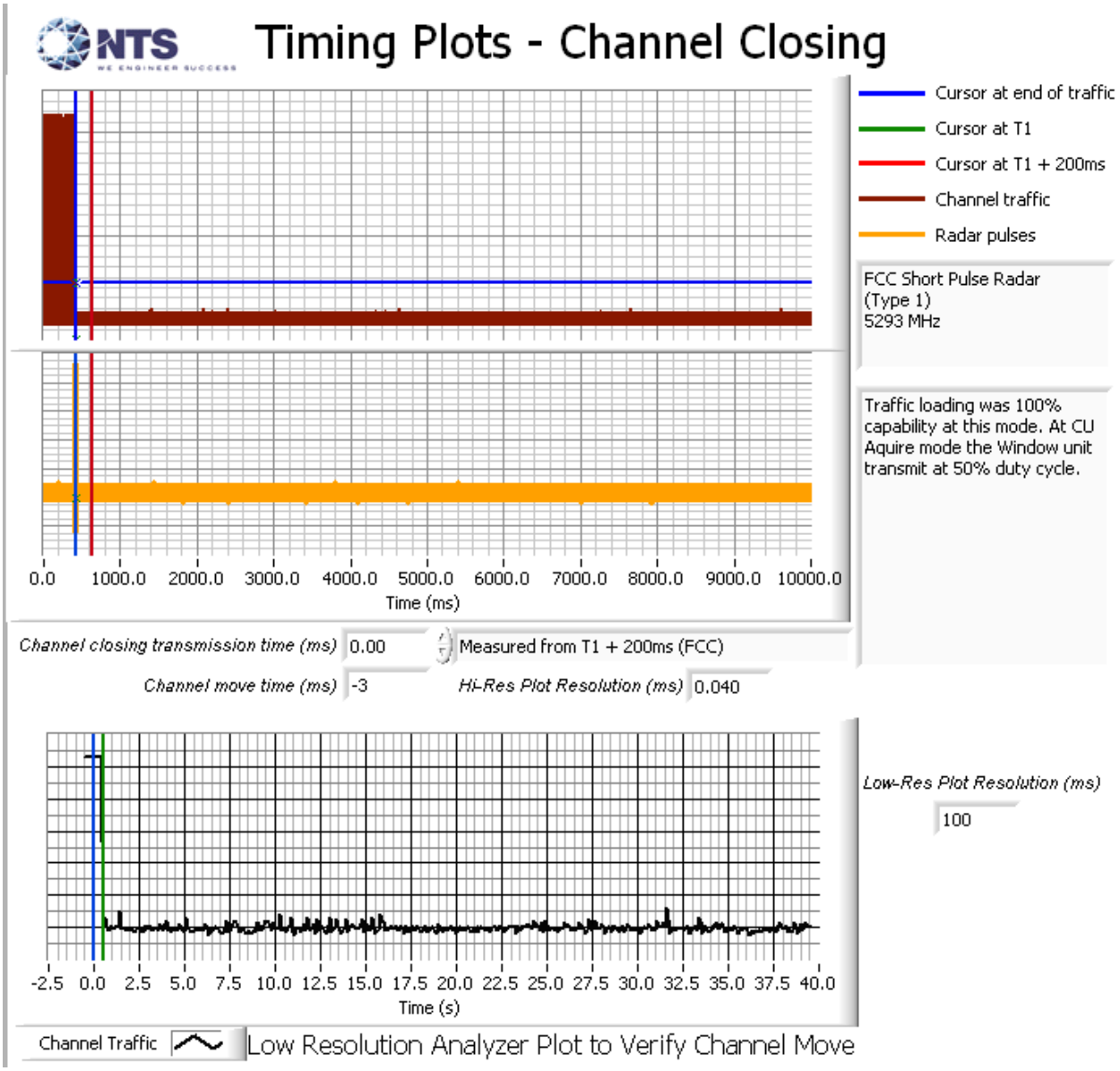


Figure 18 Channel Closing and Move Time (NU CU Acquire 40MHz) – 40 second plot

[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.

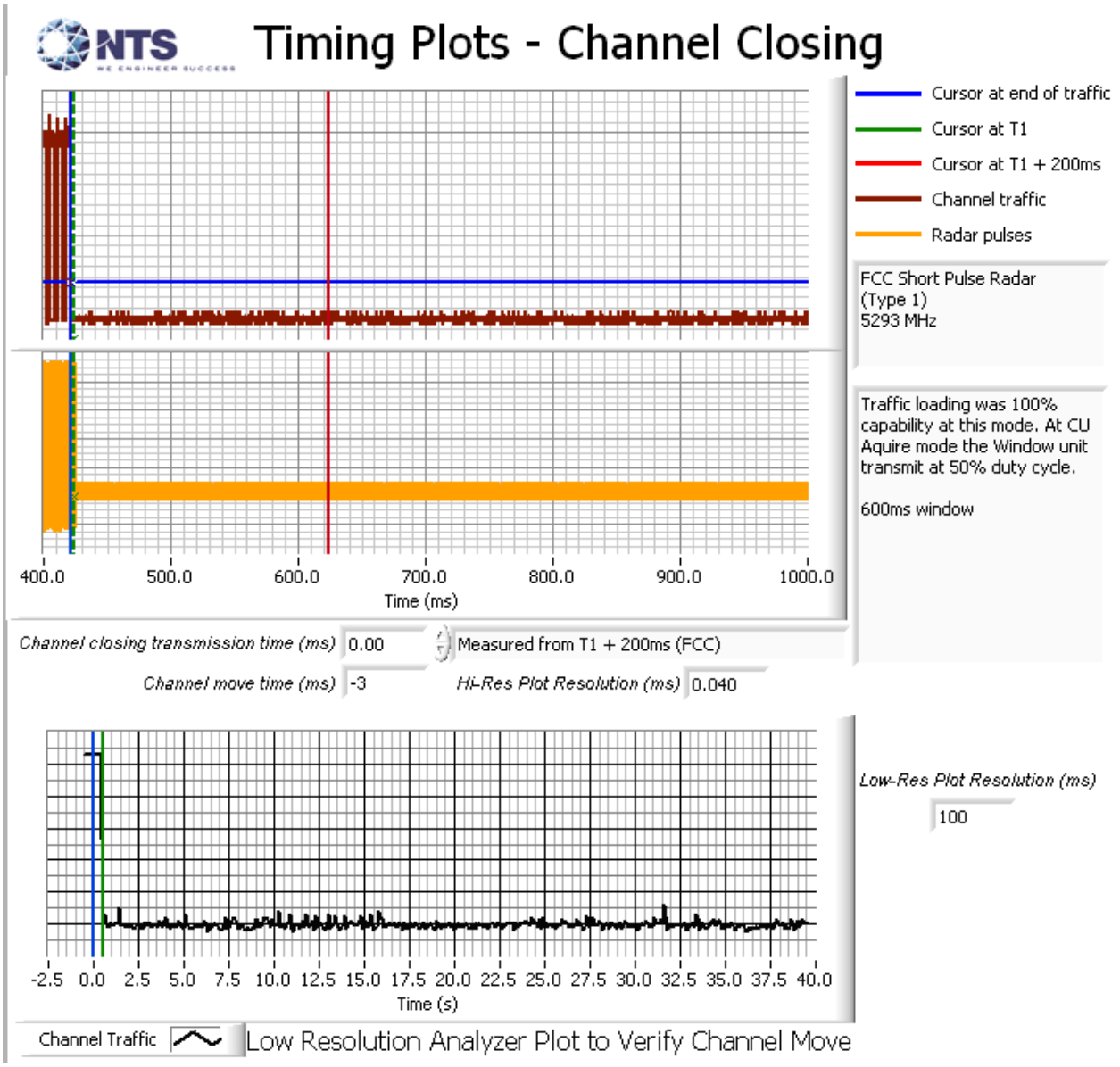


Figure 19 Close-Up Plot, more than 200ms after The End of Radar (NU CU Acquire 40MHz)

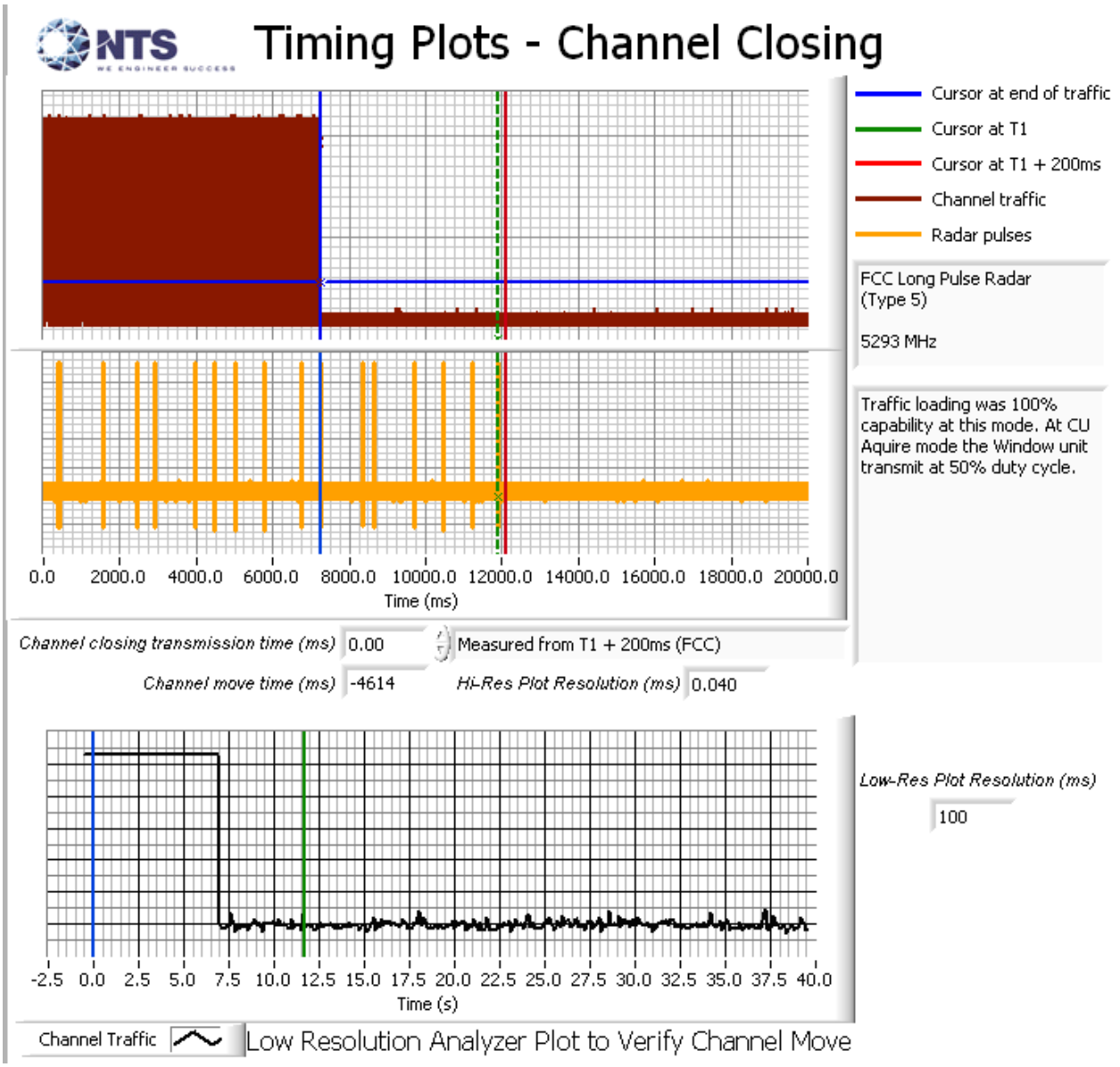


Figure 20 Channel Closing and Move Time (NU CU Acquire 40MHz) – 40 second plot

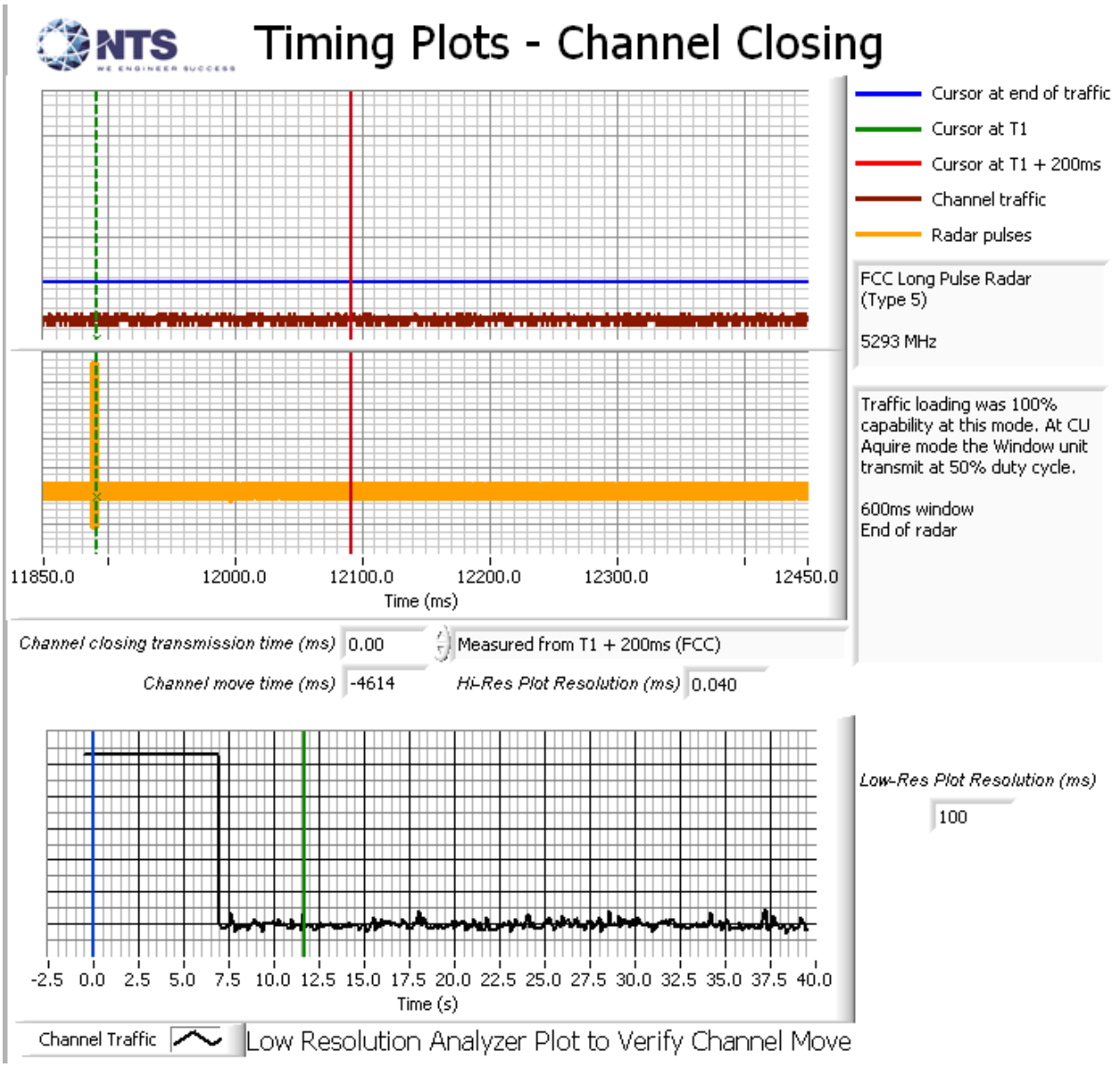


Figure 21 Close-Up Plot, more than 200ms after The End of Radar (NU CU Acquire 40MHz)

Table 220 - FCC Part 15 Subpart E Channel Closing Test Results – CU Steady State 30MHz					
Waveform Type	Channel Closing Transmission Time [1]		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	0	60 ms	0	10 s	Pass
Radar Type 5	0	60 ms	0	10 s	Pass

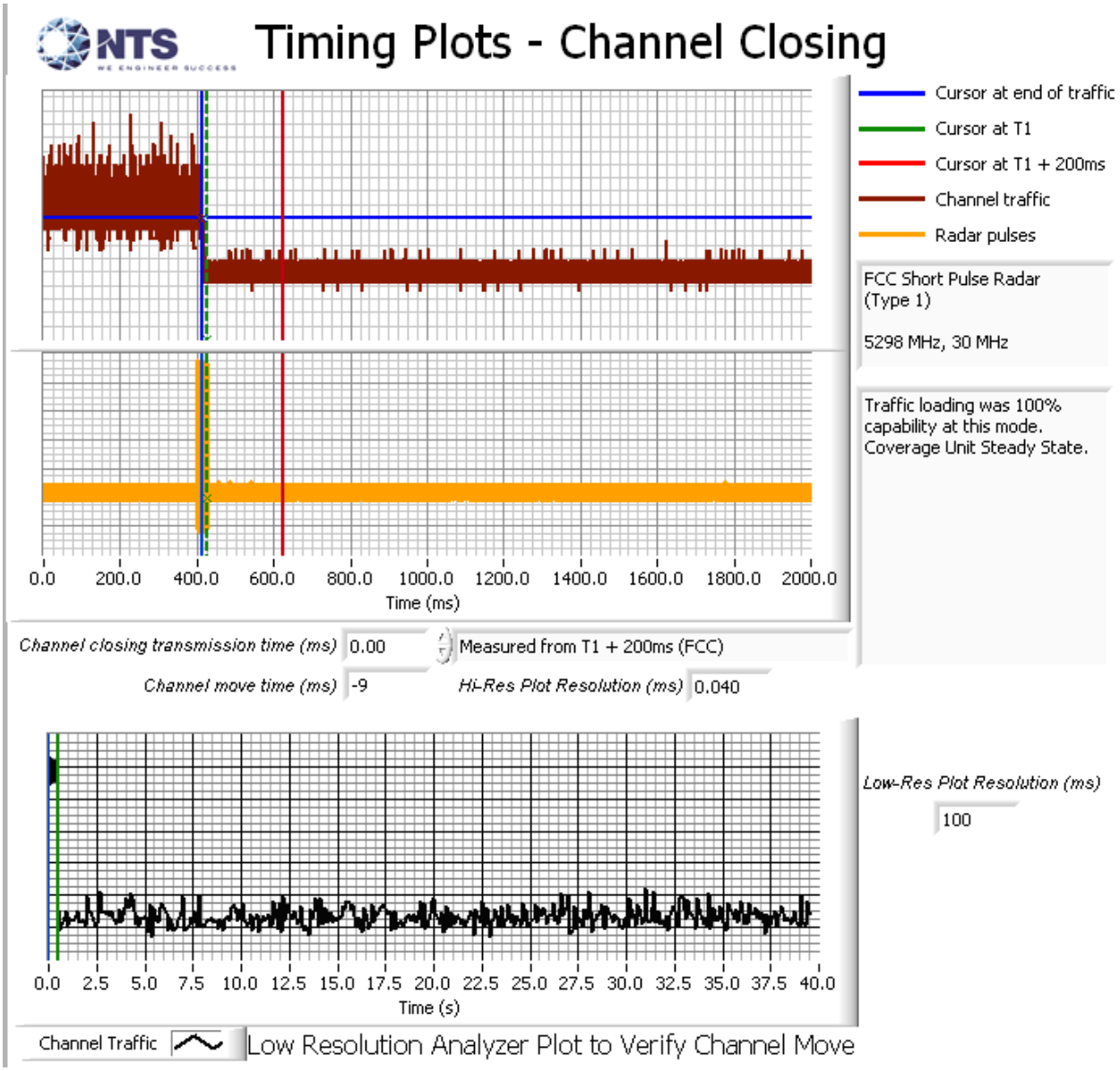


Figure 22 Channel Closing and Move Time (CU Steady State 30MHz) – 40 second plot

[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.

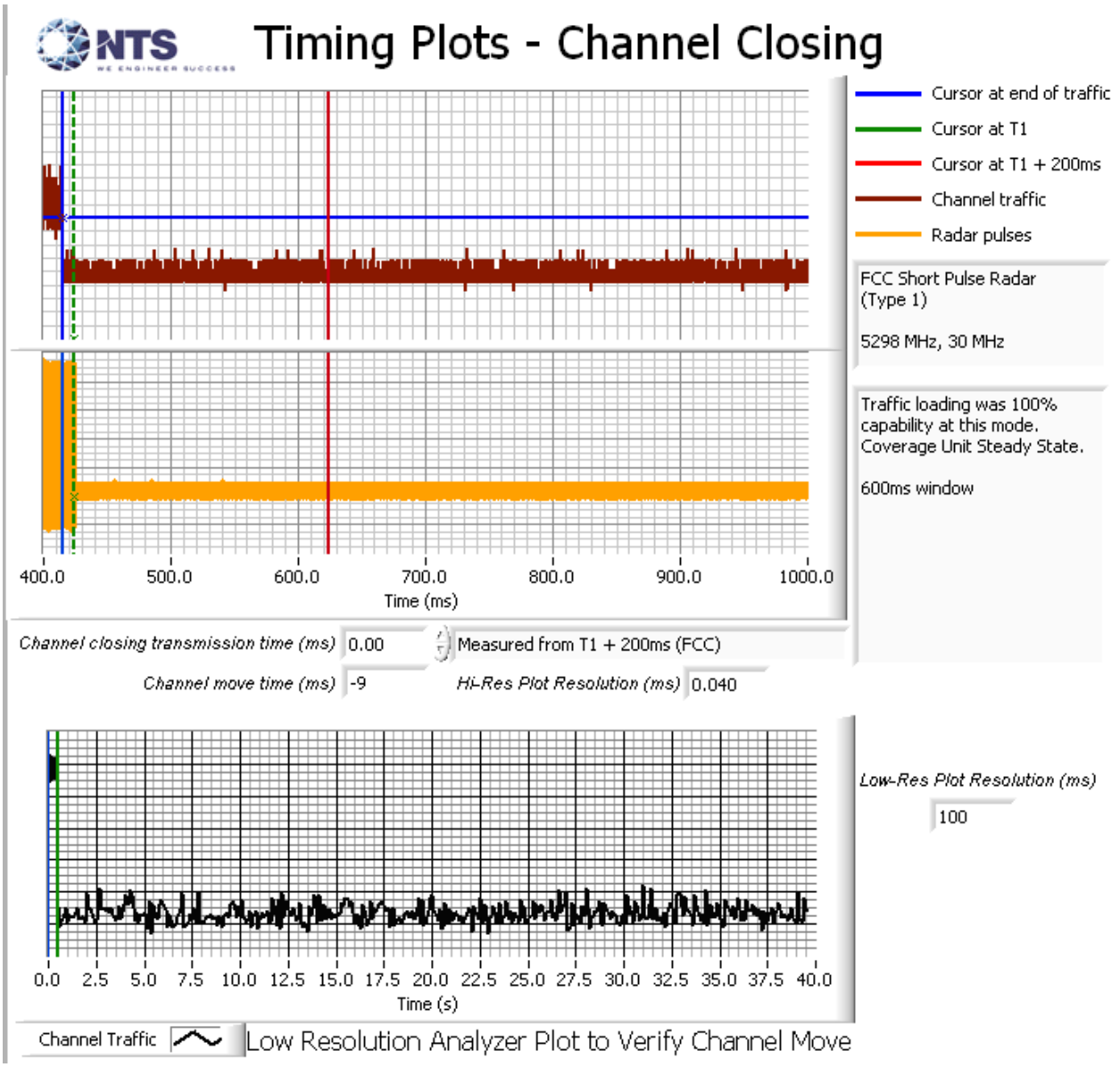


Figure 23 Close-Up Plot, more than 200ms after The End of Radar (CU Steady State 30MHz)

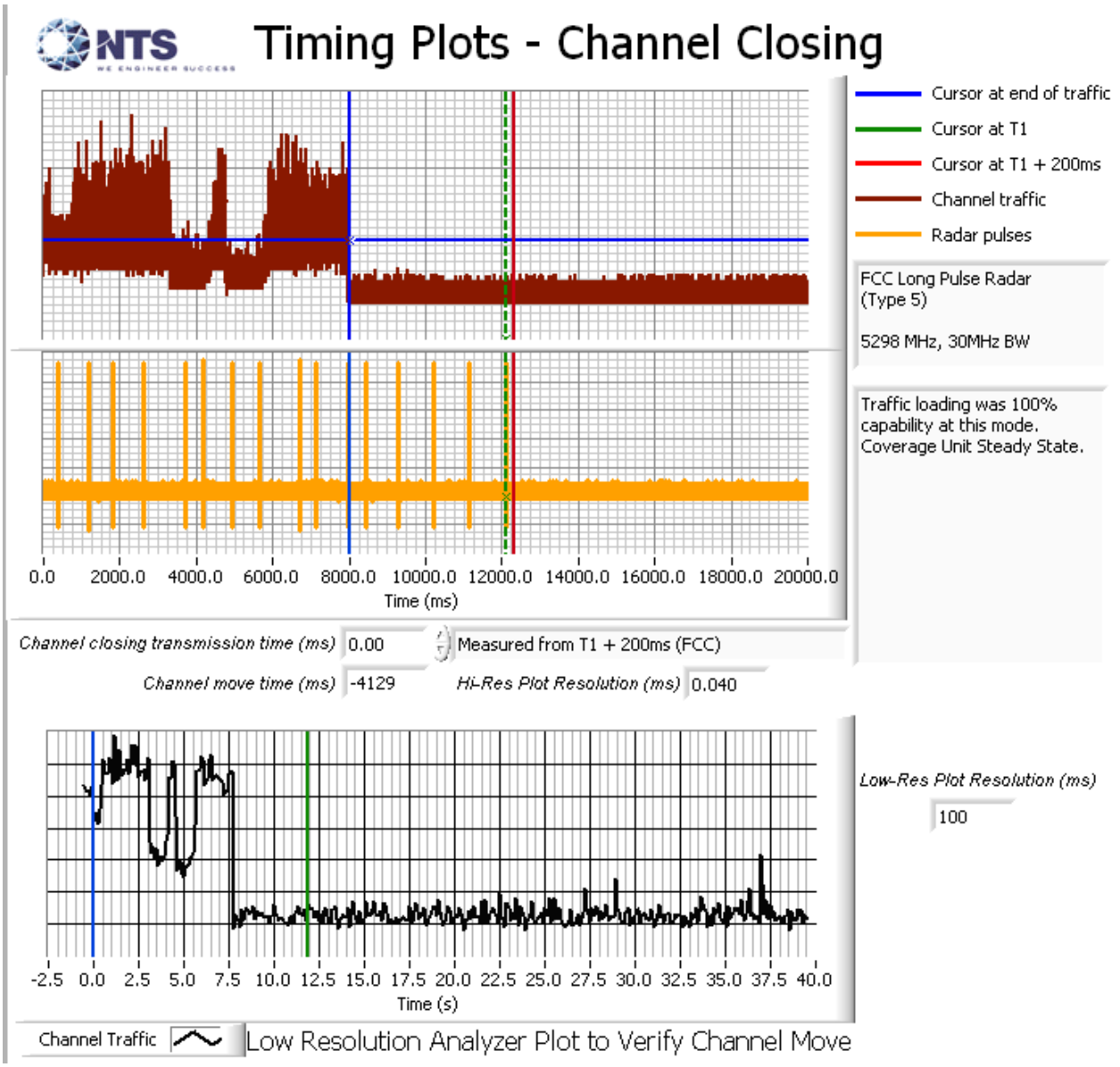


Figure 24 Channel Closing and Move Time (CU Steady State 30MHz) – 40 second plot

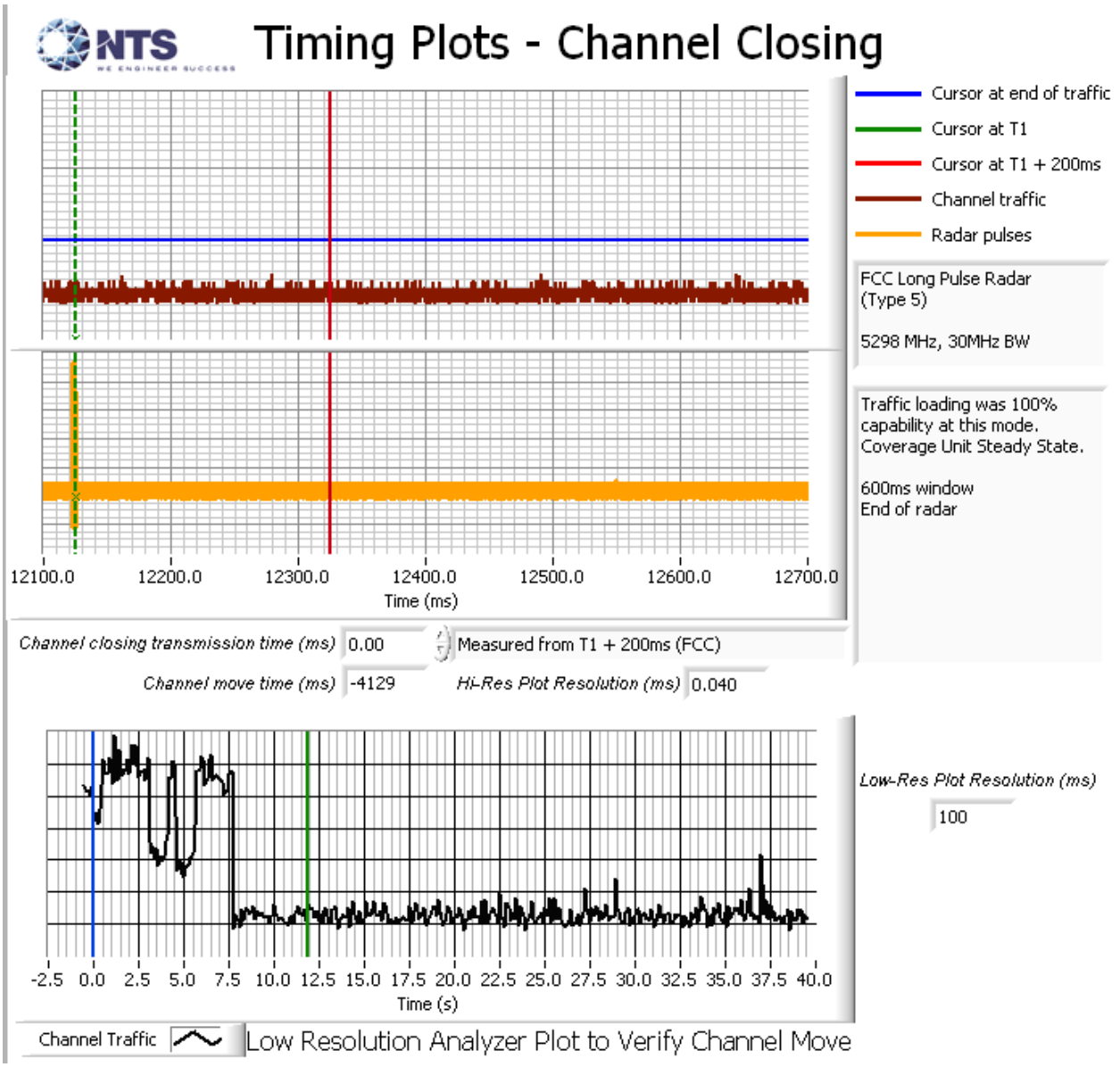


Figure 25 Close-Up Plot, more than 200ms after The End of Radar (CU Steady State 30MHz)

Table 221 - FCC Part 15 Subpart E Channel Closing Test Results – CU Steady State 40MHz					
Waveform Type	Channel Closing Transmission Time [1]		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	0	60 ms	0	10 s	Pass
Radar Type 5	0	60 ms	0	10 s	Pass

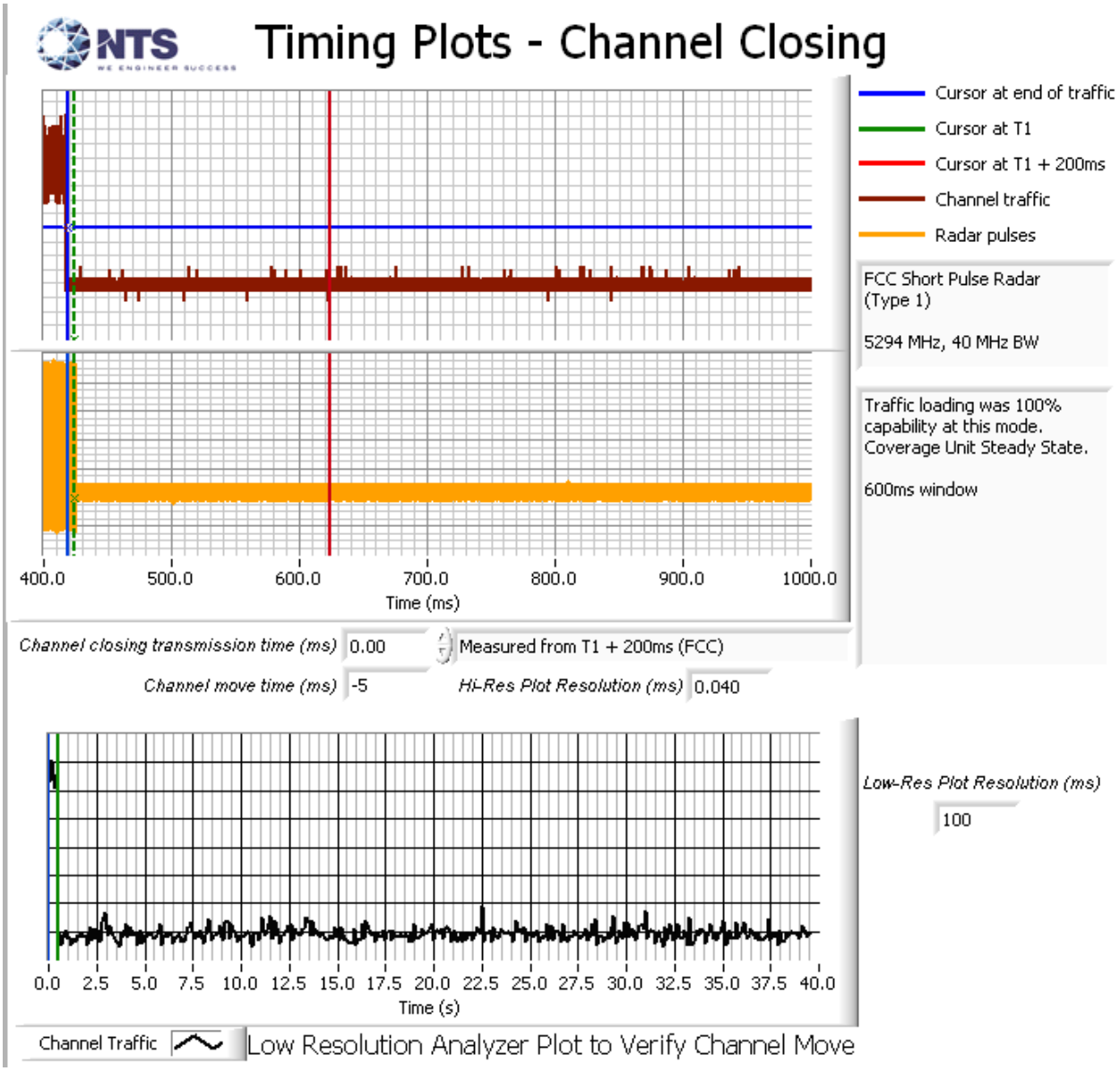


Figure 26 Channel Closing and Move Time (CU Steady State 40MHz) – 40 second plot

[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.

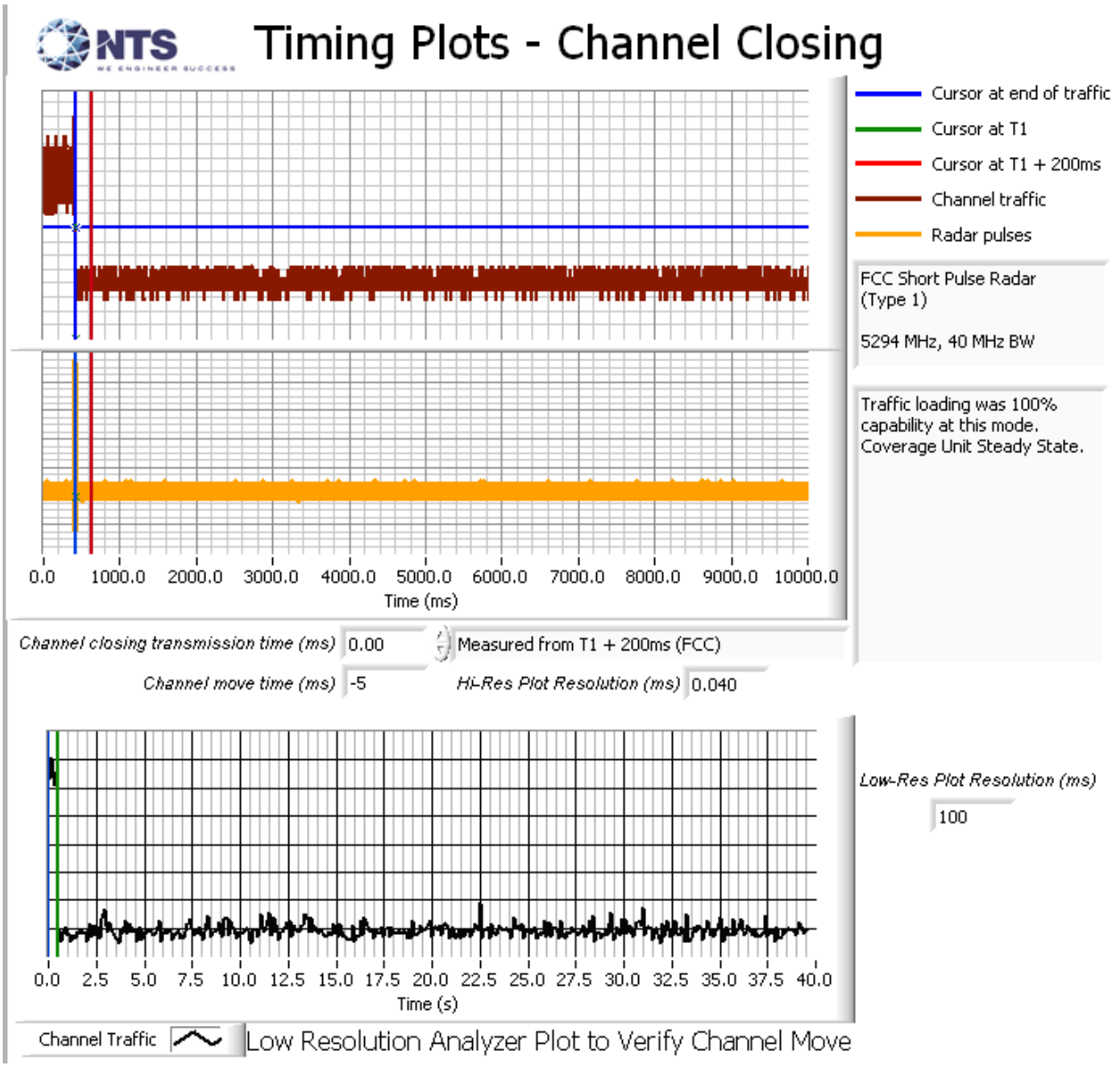


Figure 27 Close-Up Plot, more than 200ms after The End of Radar (CU Steady State 40MHz)

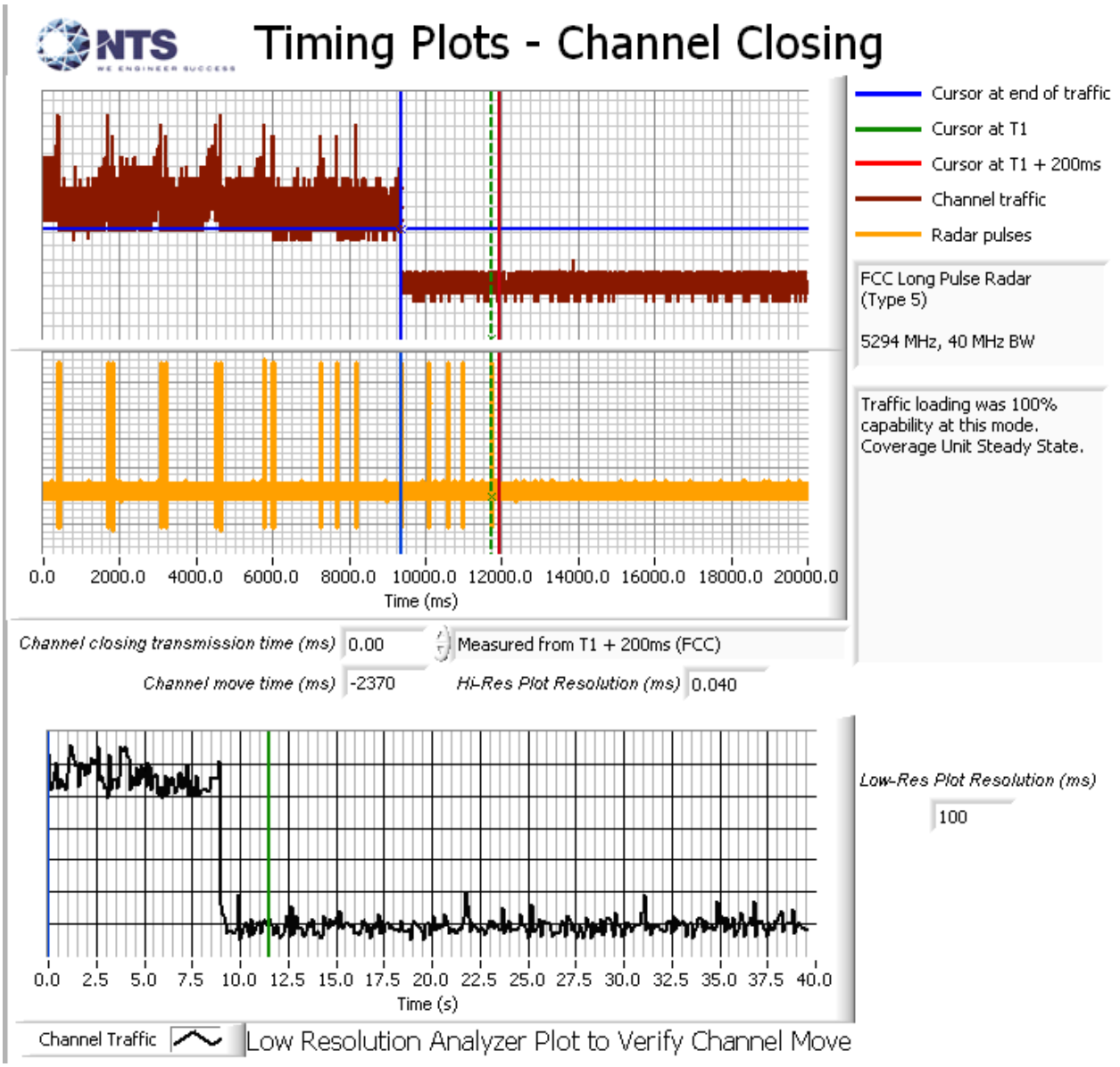


Figure 28 Channel Closing and Move Time (CU Steady State 40MHz) – 40 second plot

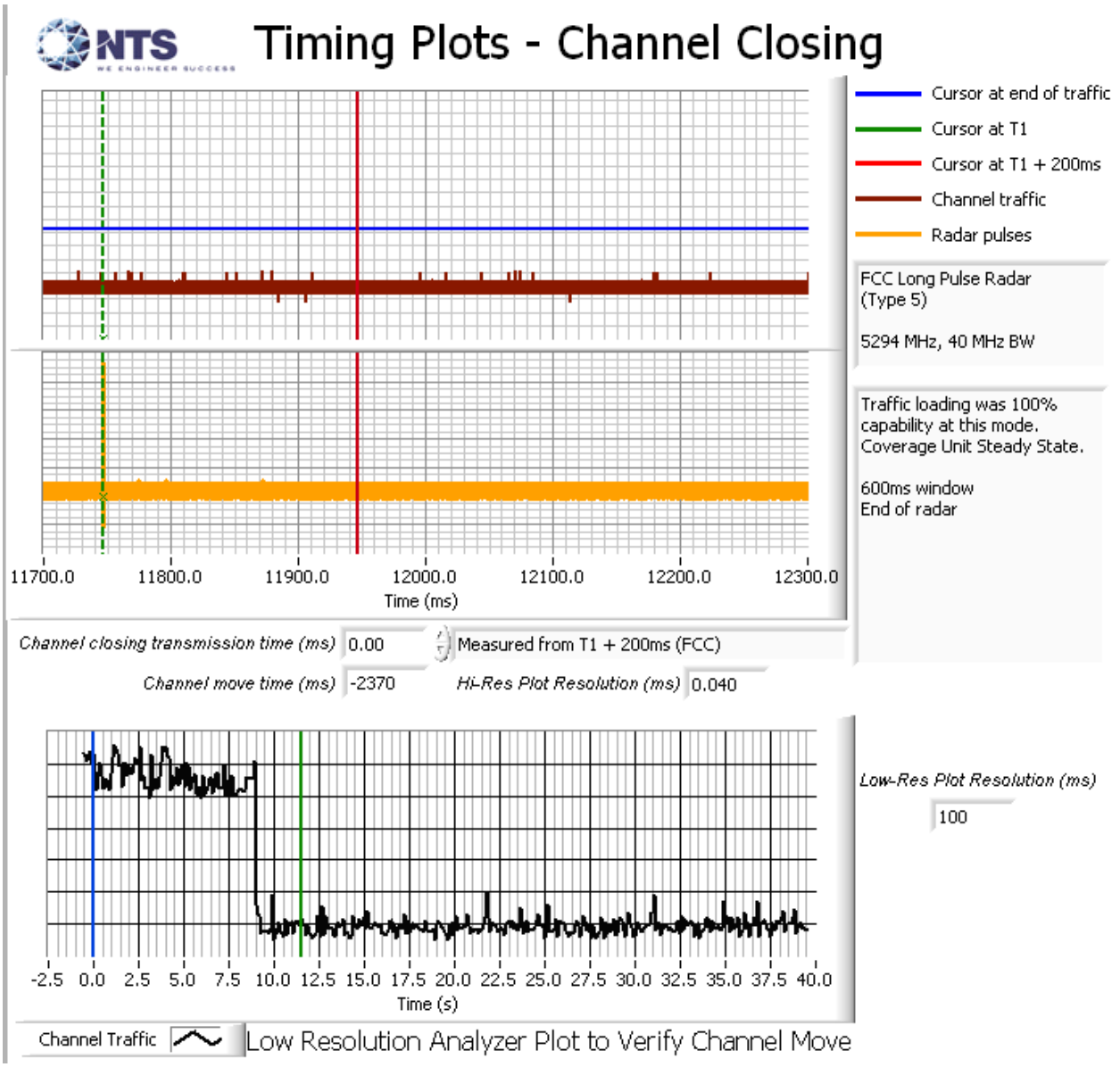


Figure 29 Close-Up Plot, more than 200ms after The End of Radar (CU Steady State 40MHz)

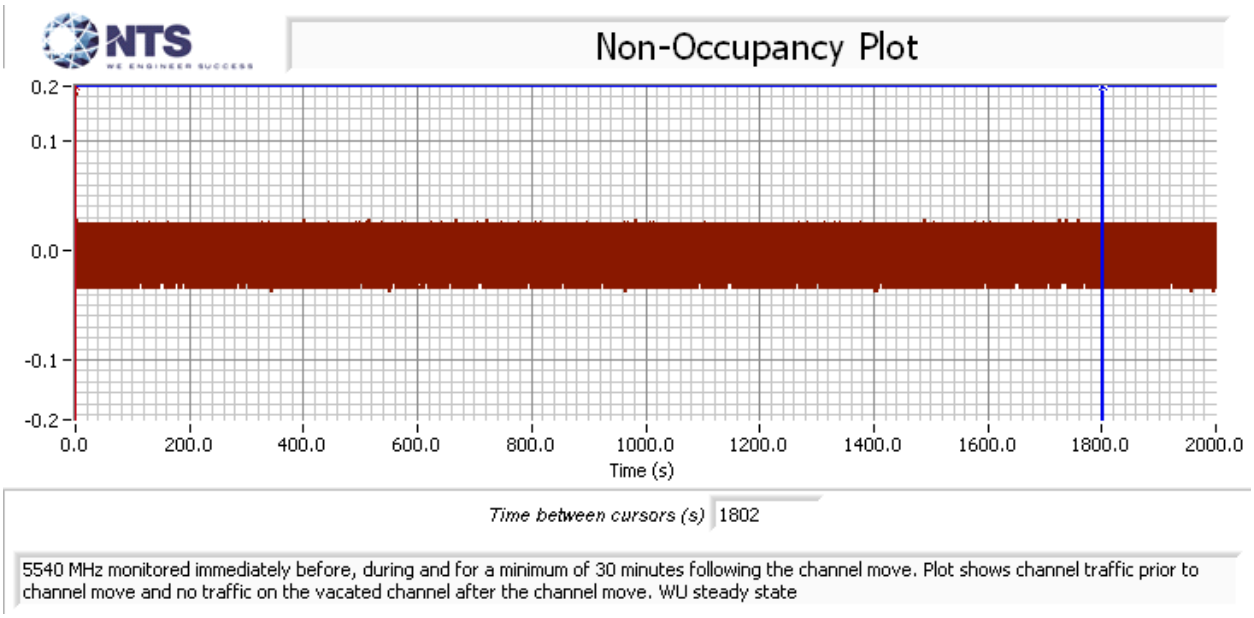


Figure 30 Radar Channel Non-Occupancy Plot (NU Steady State)

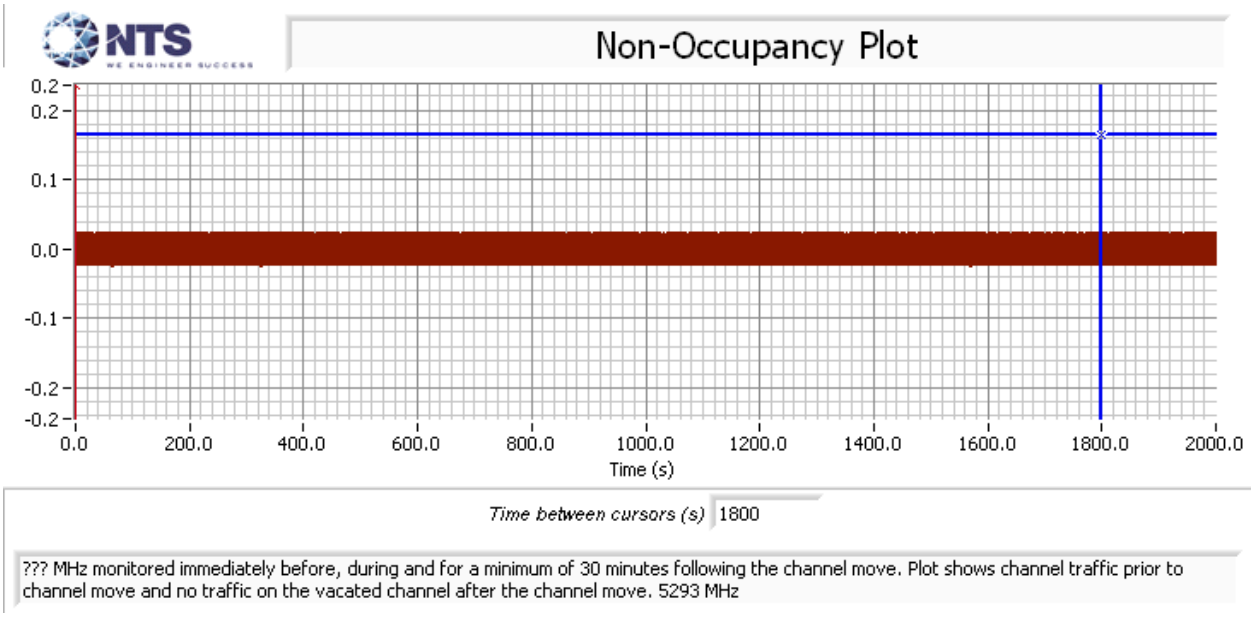


Figure 31 Radar Channel Non-Occupancy Plot (CU Steady State)

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.

Non-occupancy performed only in 40 MHz BW mode per Nextivity request

Appendix D Test Data – Channel Availability Check

5250- 5350 MHz, 5470 – 5725 MHz

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

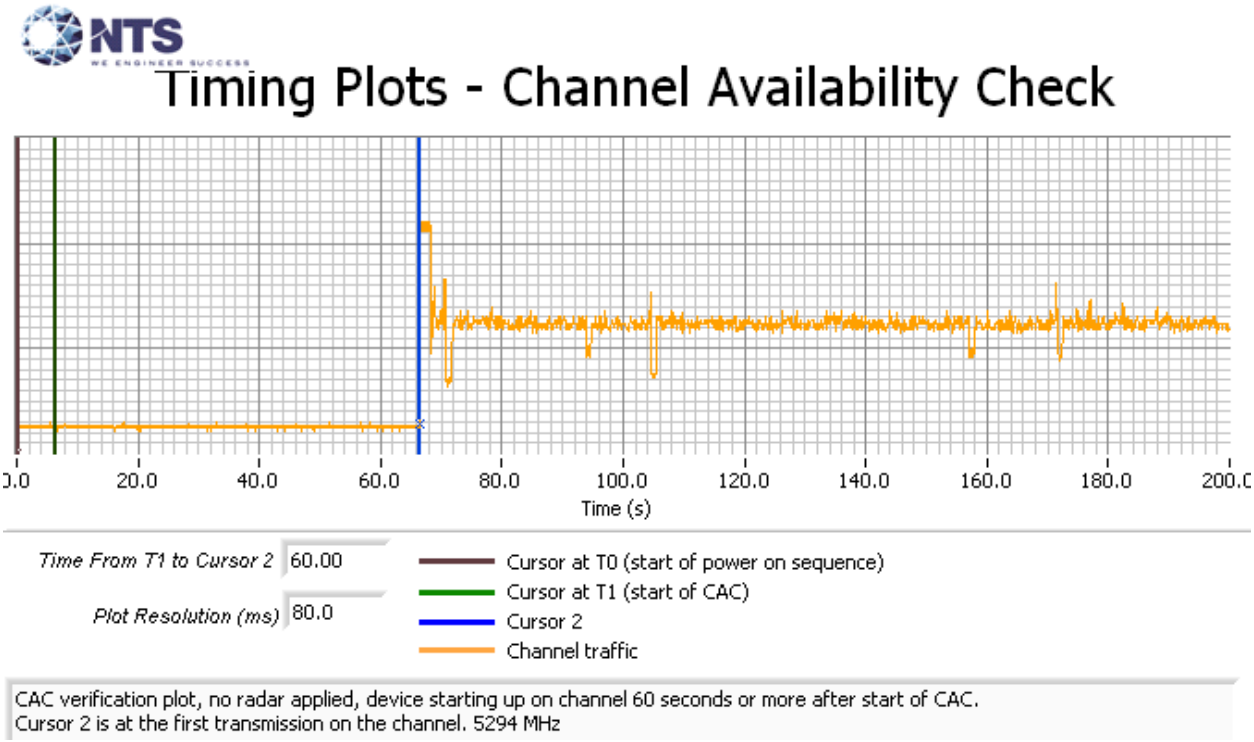


Figure 32 Plot of EUT Start-Up After CAC, Low Frequency

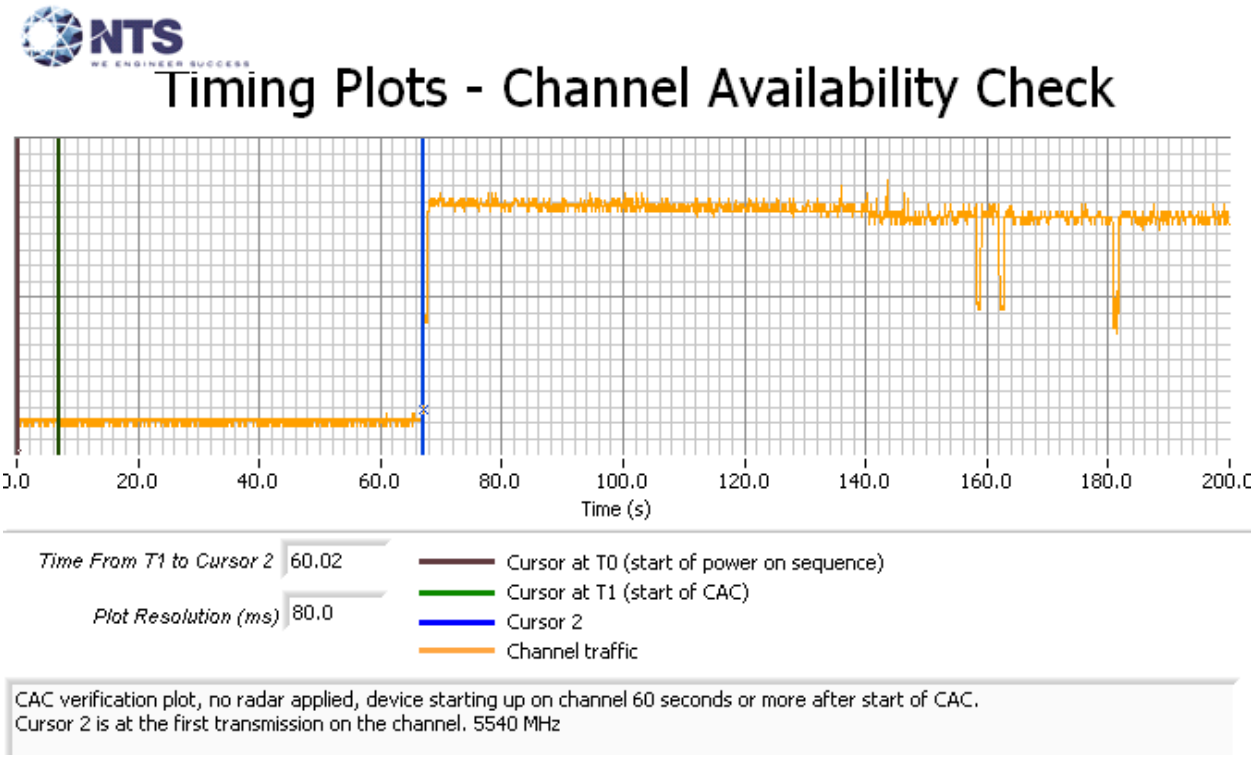


Figure 33 Plot of EUT Start-Up After CAC, High Frequency

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

The level of the radar signal applied was -61dBm. Measurements were made on 5294 MHz and also on 5640 MHz.

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

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

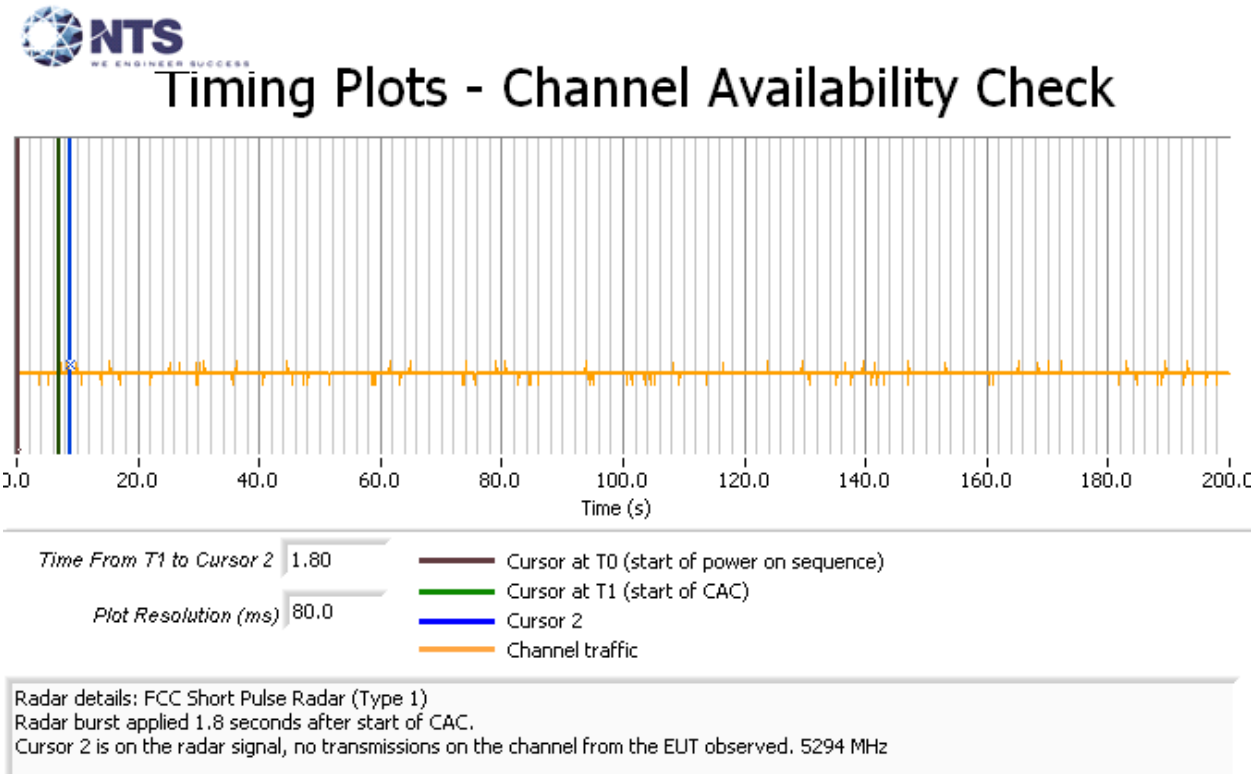


Figure 34 Radar Applied At Start of CAC, Low Frequency

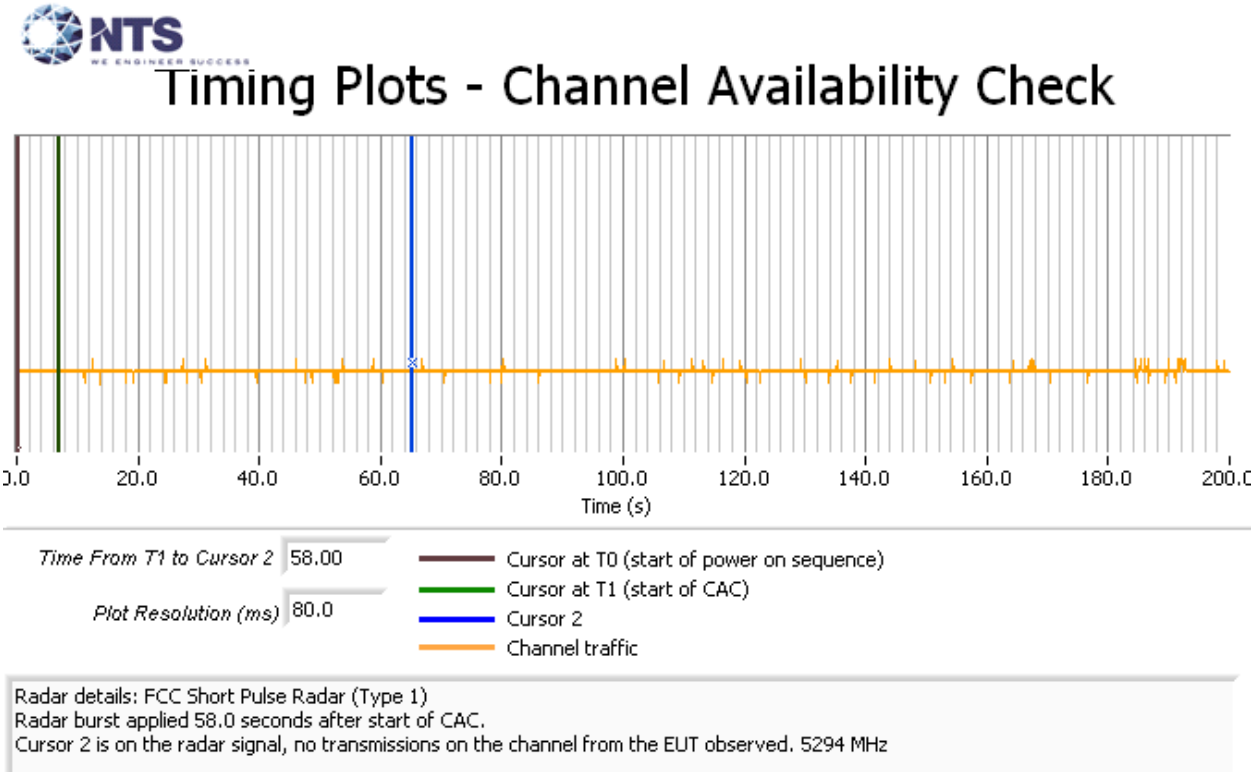


Figure 35 Radar Applied At End of CAC, Low Frequency

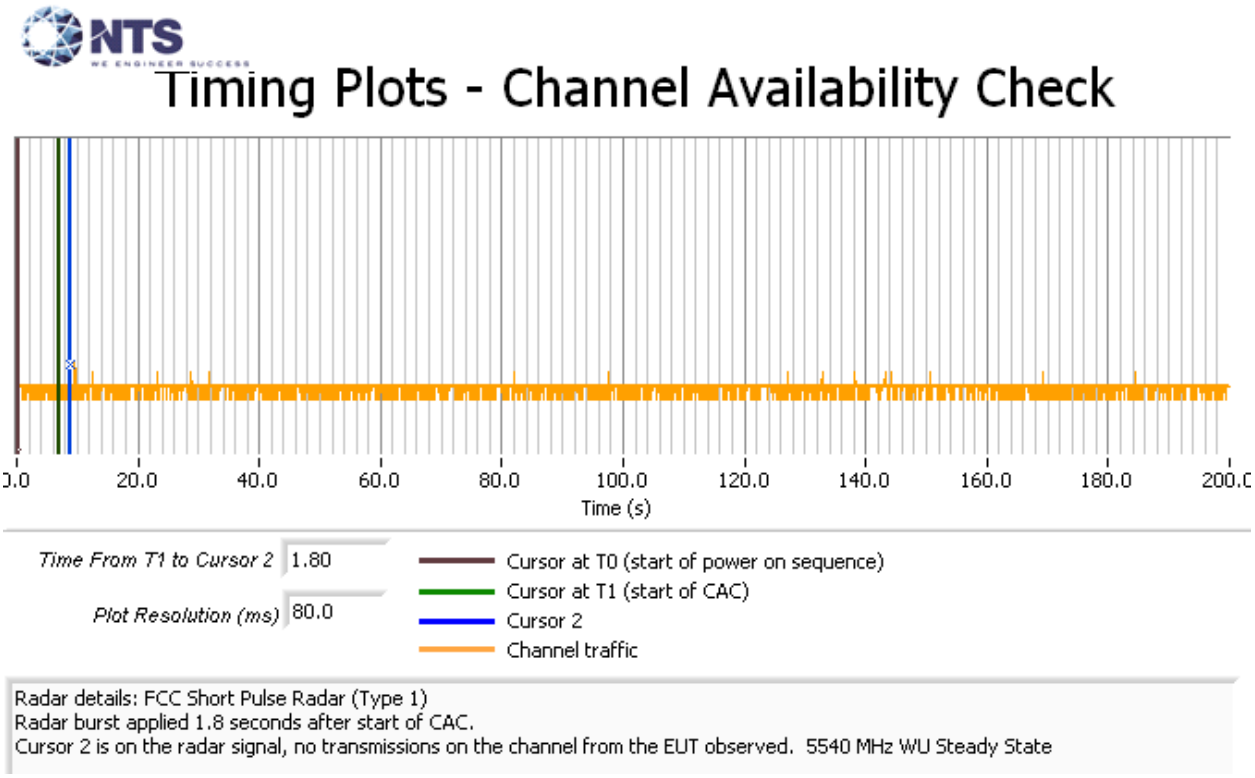


Figure 36 Radar Applied At Start of CAC, High Frequency

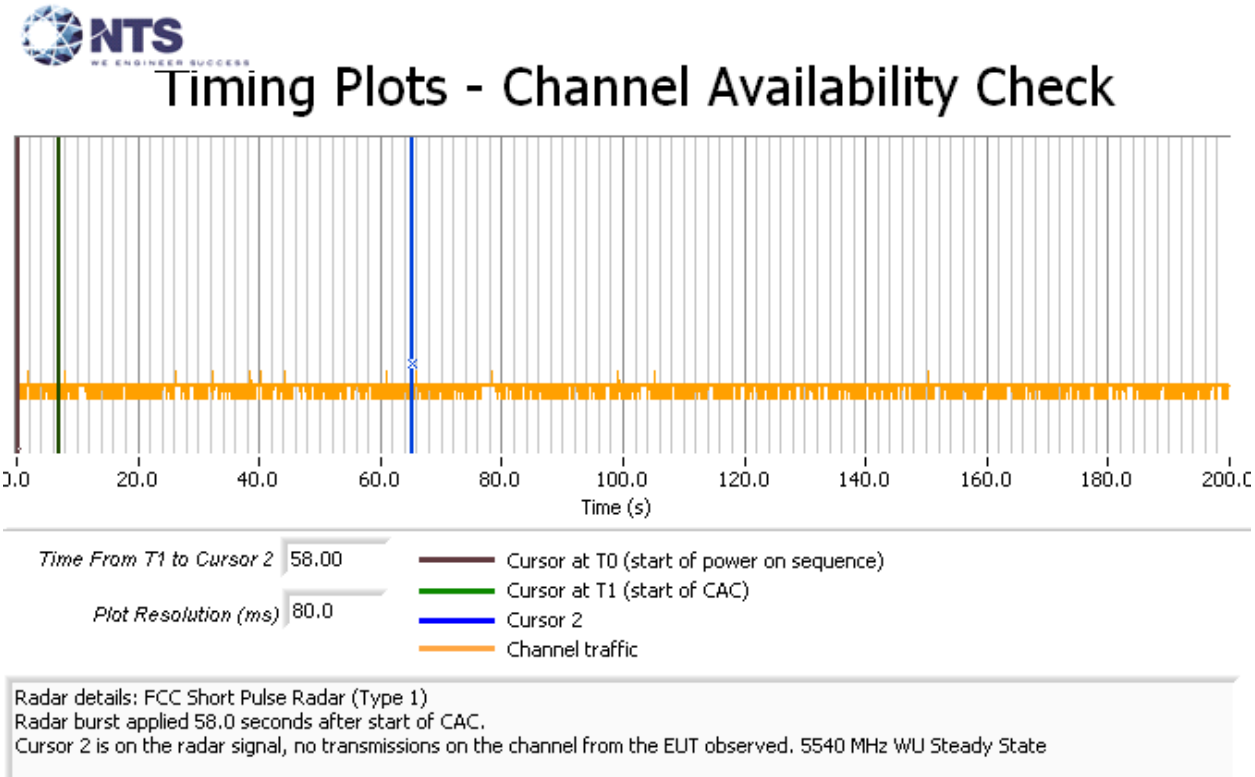


Figure 37 Radar Applied At End of CAC, High Frequency

Appendix E DFS Implementation Proposal

NEXTIVITY

DFS Implementation Proposal for Cel-Fi U-NII Link

Version 0.7

Monday, 23 February 2009

1. INTRODUCTION

Cel-Fi is a new product based on a split three-hop repeater concept designed to provide better indoor cellular coverage (Figure 1).

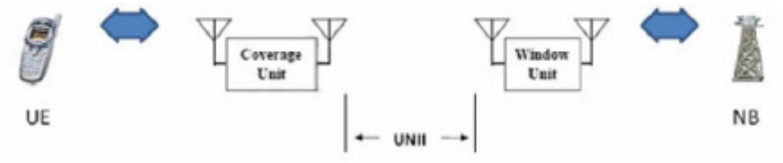


Figure 1 - Cel-Fi Three-Hop Repeater System

Cel-Fi consists of two devices, the Window Unit (WU) and the Coverage Unit (CU). The Window Unit is placed in the area of a home with the strongest signal from a wireless carrier. The WU communicates with the cell tower. The Coverage Unit is placed in the center of the home, communicates wirelessly with the WU and "lights up" the interior of the home with significantly enhanced signal, thus enabling better quality calls and greater download speeds.

2. U-NII BAND COMMUNICATION LINK

The Window Unit (WU) and the Coverage Unit (CU) communicate with each other using a proprietary point-to-point link in the U-NII band. The link requires the simultaneous use of two 40 MHz channels, where one is taken from the 5150-5350 MHz band and the other is taken from the 5470-5725 MHz band. This link is a frame-based proprietary system which bears no resemblance to 802.11 WLAN technologies. The WU is the master device responsible for selecting both uplink and downlink frequencies, and for initiating transmission on the communication link.

Each unit, WU and CU, has 1 transmit and 2 receive chains. Both WU and CU use identical transceivers, but some of the associated control electronics are different. From a DFS perspective the detection algorithms and receivers are the same.

The remainder of this document provides detail on the proposed DFS implementation for the U-NII link. The goal is to provide DFS functionality that satisfies both FCC and ETSI requirements.

3. OPERATIONAL MODES FOR DFS

The Cel-Fi system uses 4 operational modes which allow the two component devices (WU and CU) to synchronize with each other while satisfying DFS radar detection requirements. The modes are illustrated in Figure 2.

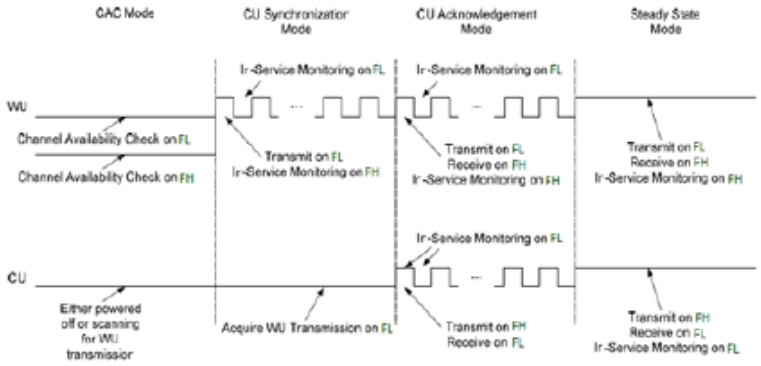


Figure 2 - U-NII Link Operational Modes

3.1. CAC Mode

When the WU is powered up, it performs a RSSI scan on all U-NII channels and then selects two of them for the Cel-Fi link (f_L from the 5150-5350 MHz band and f_H from the 5470-5725 MHz band). Prior to any transmission over a potential radar occupied channel, the WU will perform a channel availability check for at least 60 seconds. The WU hardware is capable of using the two receive antennas and two radio receivers to perform the CAC simultaneously on the selected upper and lower band channels.

In the event that the CU is powered on before the WU, it will not transmit on any U-NII channel, but will continue to scan for WU transmissions.

3.2. CU Synchronization Mode

Following a successful CAC on both selected channels (f_H and f_L), the WU will initiate transmission on f_L. The transmission will be performed using a 3.15 msec frame with a 50% transmit/receive duty cycle. While transmitting on f_L, the WU will listen for radar on f_H. When not transmitting, the WU will listen for radar on fL. This allows the WU to perform in-service monitoring on both channels simultaneously.

During this period, the CU will normally be powered on and synchronize to the WU transmission on f_L. A control channel message will specify the frequency to use for f_H.

If the CU is powered on before the WU, then this mode of operation will typically last for 10-20 msec. If the WU is powered on before the CU, then this mode will last for an arbitrary duration until the CU is powered on.

3.2.1. Proposed Channel Loading Scheme for In-Service Monitoring Tests During CU Synchronization Mode

In-service monitoring tests can be performed during this mode of operation by switching the WU on and leaving the CU switched off. In this mode, the loading on f_L will always be 50% due to the transmit/receive duty cycle. During this mode, there will never be any Cel-Fi generated traffic on f_H. However, null frame intervals will occur on f_H due to the WU receiver listening for radar on f_L. This would be equivalent to a channel load of 50%. The relevant timing is shown in Figure 3.

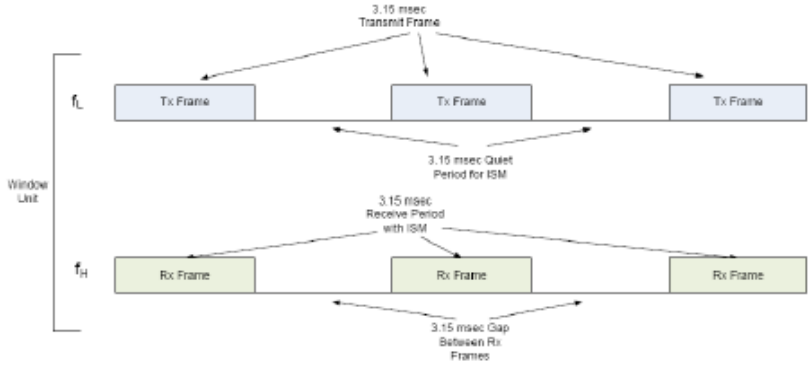


Figure 3 - Channel Loading During CU Synchronization Mode

In service monitoring tests will be performed on the WU for both f_H and f_L channels in this mode. In-service monitoring detection probability tests for all of the radar waveforms will be performed in this mode on the WU. Channel move and channel closing time measurements shall be made for the WU on f_L using radar types 1 and 5

3.3. CU Acknowledgement Mode

Once the CU synchronizes to the WU and determines the frequency of f_H, it may begin transmission on f_L. This transmission is performed using 3.15 msec frames with a 50% transmit/receive duty cycle. The transmissions coincide with the periods when the WU is listening on f_H.

In this mode the CU will begin in-service monitoring on f_L while the WU is performing in-service monitoring on both f_H and f_L.

This mode of operation should last no more than 90 msec. This worst case scenario would occur if the CU synchronizes with the WU but control messages are not correctly exchanged, eventually resulting in a timeout.

3.3.1. Proposed Channel Loading Scheme for In-Service Monitoring Tests During CU Acknowledgment Mode

The Cel-Fi system will implement a DFS test mode that allows the system to be frozen in CU Acknowledgment mode. Although the system is normally in this mode for only a short period of time, it will facilitate evaluation of in-service monitoring performance while in this mode. In all cases, the channel loading will always be at 50% due to the normal Cel-Fi link traffic. The frame structure involved is shown in Figure 4.

As the duration of this mode is short, and as the normal operating mode described in the next section has significantly higher transmitter duty cycle (100%), it is not felt that this mode needs to be evaluated. If considered necessary, in-service monitoring can be performed on f_H and f_L at the WU and on f_L at the CU. If considered necessary, detection probability for radar waveforms 1 and 5 shall be evaluated in this mode just to confirm that in service monitoring does occur.

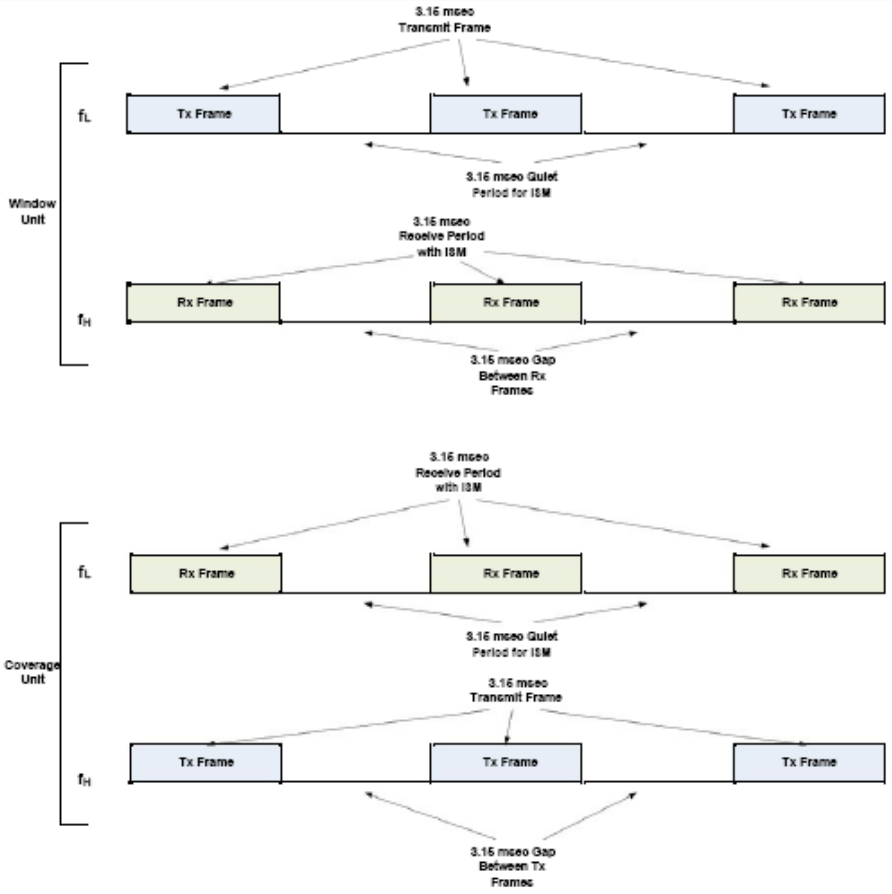


Figure 4 - Channel Loading During CU Acknowledgement Mode

3.4. Steady-State Mode

After the link is setup on both channels, the Cel-Fi system is able to switch into steady-state mode. The switch is coordinated between the WU and CU. In this mode the WU transmits continuously on f_L and listens continuously on f_H. The WU will be able to detect radar in the presence of the received data signal during in-service monitoring, so it effectively functions as a master for channel f_H. Similarly, the CU will transmit continuously on f_H and receive continuously on f_L. The CU will perform in-service monitoring on f_L and be the master for that channel. Thus in-service monitoring is being performed on both f_H and f_L. The frame structure for this mode is illustrated in Figure 5.

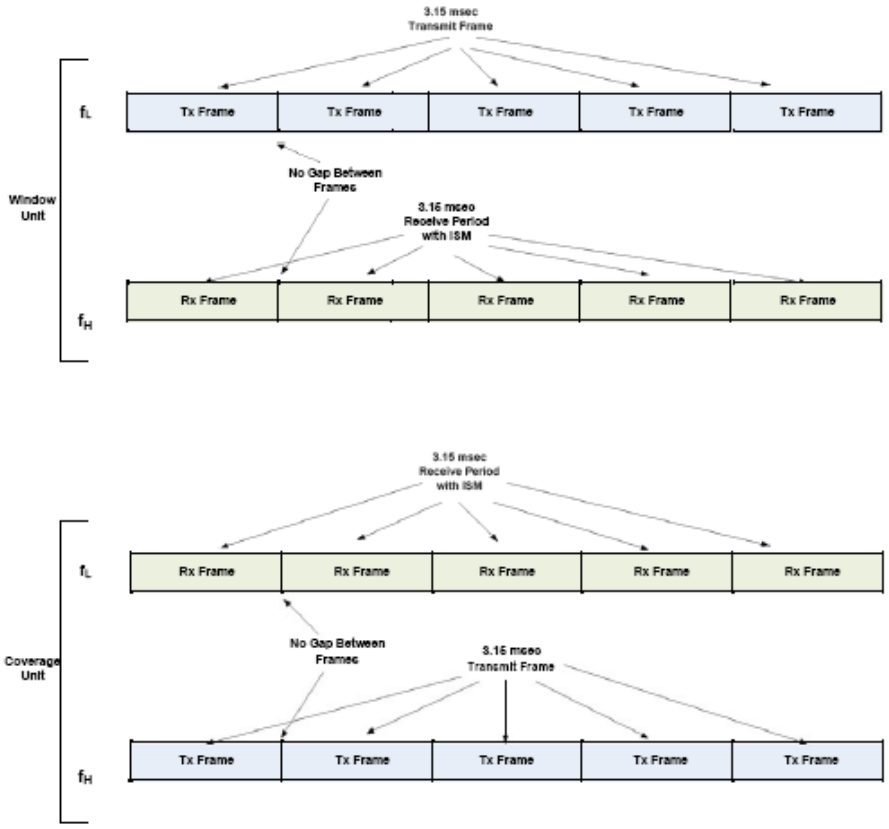


Figure 5 - Channel Loading During Steady-State Mode

During this mode, the channel loading is always 100% and does not change whether a cell phone call is active or not. Once the link is established between WU and CU devices, data is constantly streamed between the two so that the mobile phone remains on the network. When no phone call has been established from the user's cell phone to the network through the WU-CU, the channel is loaded with a constant stream of OFDM symbols consisting of control channel information, pilot tones, and randomly generated payload data. The randomly generated payload data required to maintain the WU-CU link is ignored by the receiver.

When a call is established through the WU-CU the randomly generated payload data between WU and CU is replaced with actual cell phone data. There is no way to determine whether a call is in progress through observation of the OFDM signal, as the signal will look identical in both cases.

In-service monitoring detection probability tests for all of the radar waveforms will be performed in this mode on the WU the CU. Channel move and channel closing time measurements shall be made for the WU and CU using radar types 1 and 5. These closing time tests will also evaluate the WU and CU in client mode. For these tests a cell call shall be established through the system using a call emulator rather than relying on the dummy payload packets

4. VACATING THE CHANNEL

4.1. Channel Move Time

In the event that one of the component Cel-Fi devices detects radar during in service monitoring, it will notify the other device through the reverse channel and cease transmitting in the radar occupied channel.

If for some reason the other device does not receive the message, it will detect that the link has been dropped and cease transmission. The assumption will be that radar has been detected.

The Cel-Fi system will ensure that the channel is vacated within 15 msec, well below the 10 second requirement.

4.2. Channel Closing Transmission Time

The worst case channel move time is less than the 60ms FCC and 260ms ETSI channel closing transmission times, so this requirement is automatically satisfied for both the FCC and ETSI.

4.3. Non-Occupancy Period

The WU will maintain a database of channels that have been identified as containing radar. These channels will not be used by the Cel-Fi system for the 30-minute non-occupancy period.

5. CHANNEL SELECTION

The WU will be responsible for U-NII channel selection for both the uplink and the downlink.

5.1. Uniform Loading

In order to satisfy the uniform loading requirement, the WU will scan all U-NII channels to perform a RSSI measurement prior to channel selection. The selected channels will be randomly selected from among those whose RSSI value is below a specified threshold.

5.2. 5600-5650 MHz

The initial version of the Cel-Fi system will make use of the 5600-5650 MHz portion of the U-NII band. It is likely that this part of the spectrum will not be used if:

1) Future changes in compliance specifications include a 10 minute CAC in the weather radar band.
2) Specific governments have blocked usage of these frequencies.

5.3. Channel Allocation

The lower U-NII band channels will be centered at 5199, 5216, 5232, 5250, 5268, 5285, and 5303 MHz. This utilizes 80% of the band spanning 5150-5350 MHz.

The upper U-NII band channels will be centered at 5510, 5530, 5550, 5570, 5590, 5610, 5630, 5650, 5670, and 5690 MHz. This utilizes 86% of the band spanning 5470-5725 MHz.

In the event that the 5600-5650 MHz band is not used, the upper band channels will be centered at 5525, 5544, 5564, 5580, and 5670 MHz. This utilizes 62% of the band spanning 5470-5725 MHz.

6. RADAR DETECTION

6.1. Detection Bandwidth

Although the U-NII link utilizes channels with a nominal bandwidth of 30 MHz, the occupied channel bandwidth is 27 MHz. The Cel-Fi devices are able to detect radar over approximately 97% of the 99% power bandwidth.

6.2. Detection Threshold

Since the Cel-Fi devices will transmit at a level well below 200 mW eirp, the radar detection threshold is - 62 dBm.

6.3. Transmit Power Control

The Cel-Fi system employs transmit power control in order to keep the received signal level adequately below the radar detection threshold. At no time does the transmit power level become so great that a potential radar signal at or above the detection threshold is masked. The transmit power has a dynamic range of at least 30 dB.

During CU acknowledgement mode the WU will initially transmit at maximum power. The CU uses this information in conjunction with the measured RSSI to determine an appropriate initial transmit power level on f_L. Once an acknowledgment is received by the WU, the two units will fine tune their transmit power levels prior to switching into steady state mode.

6.4. Detection Probability

During CAC, the WU is able to detect 100% of the FCC or ETSI radar test signals. During in service monitoring, the detection rates will exceed those specified for both FCC and ETSI.

7. DOCUMENT HISTORY

Table 1 Document History

Date	Revision Number	Description	Author
July 15, 2008	0.1	Initial draft.	Richard Buz
August 1, 2008	0.2	Incorporate comments	
August 8, 2008	0.3	Added more information on the U-NII link and overall system. Elaborated on channel loading during in-service monitoring.	Richard Buz
August 8, 2008	0.4	Incorporated additional comments from Mark Briggs.	Richard Buz
September 24, 2008	0.5	Added detail for the content of Tx packets when there is or isn't a call established in response to a request from the FCC. Added information that both WU and CU use the same transceivers and same DFS detection hardware and algorithm. Proposed reduced tests on the CU for in-service monitoring.	Richard Buz Mark Briggs Elliott Labs

DFS Implementation Proposal For Cel-Fi U-NII Link
Version 0.7 Monday, 23 February 2009

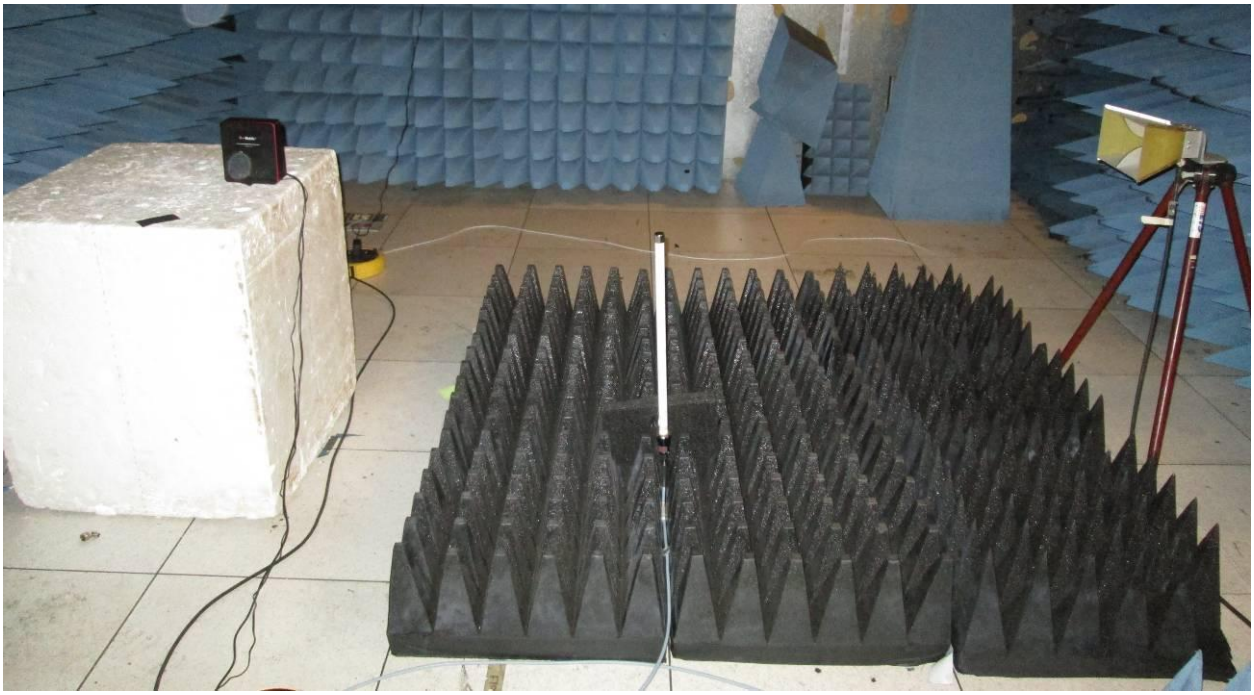
NEXTIVITY

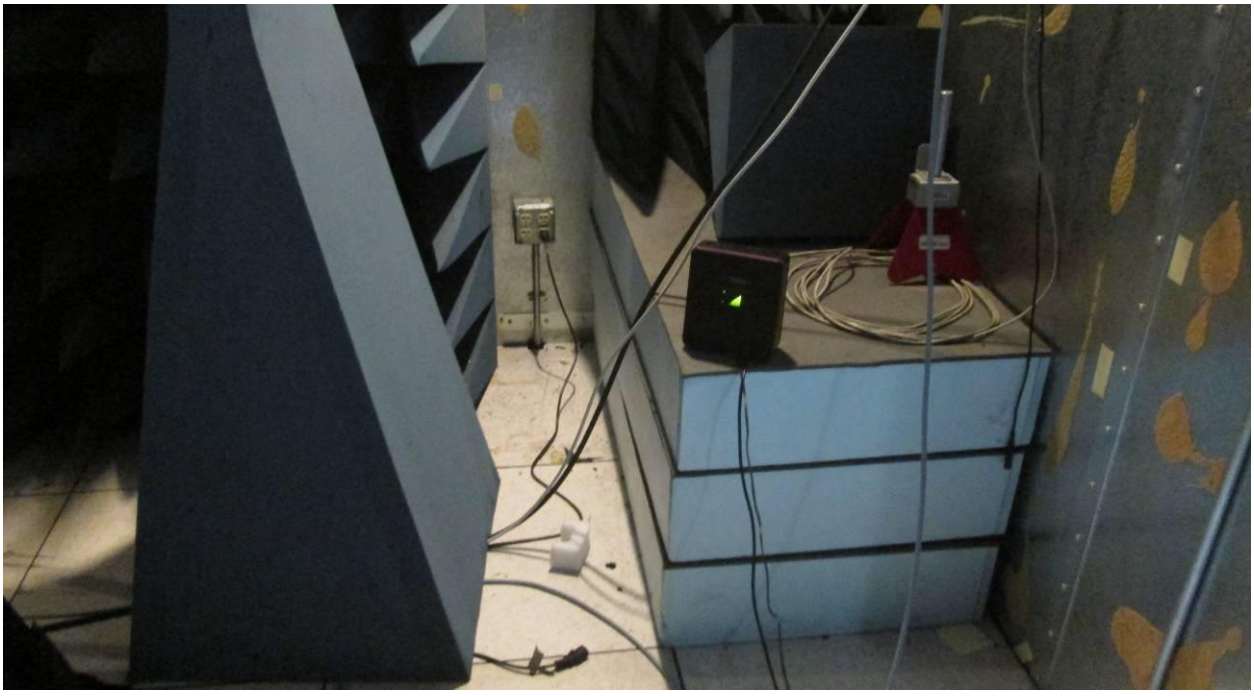
Date	Revision Number	Description	Author
December 16, 2008	0.6	Added detail following CTIA-FCC-Nextivity conference call	Mark Briggs Elliott Labs
February 23, 2009	0.7	Modified document in accordance with NTIA feedback as follows: page 4 of 8, paragraph 1, NTIA requests the following changes to the Version 0.6 document dated December 16, 2008 as shown in redline/strikeout: "*In service monitoring tests will be performed on the WU for both f_H and f_L channels in this mode. In-service monitoring detection probability tests for all of the radar waveforms will be performed in this mode on the WU. Channel move and channel closing time measurements shall be made for the WU on f_H using radar types 1 and 5.*" On page 6 of 8, paragraph 3, NTIA requests the following changes to the Version 0.6 document dated December 16, 2008 as shownin redline/strikeout"*In-service monitoring detection probability tests for all of the radar waveforms will be performed in this mode on the WU the CU. Channel move and channel closing time measurements shall be made for the WU and CU using radar types 1 and 5. These closing time tests will also evaluate the WU and CU in client mod.e For these tests a cell call shall be established through the system using a call emulator rather than relying on the dummy payload packets*"	Mark Briggs Elliott Labs

Appendix F Antenna Specification

NU		**CU**	
Tx	*Rx*	*Tx*	*Rx*
6dBi	6dBi	6dBi	6dBi

Appendix G Test Configuration Photograph(s)





End of Report

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