

TEST REPORT
DYNAMIC FREQUENCY SELECTION REQUIREMENTS
OF

FCC Part 15 Subpart E (UNII) & RSS-210

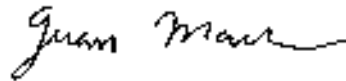
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SCOPE

The Federal Communications Commission and Industry Canada publish standards regarding ElectroMagnetic Compatibility and Radio spectrum Matters for radio-communications devices. Tests have been performed on the Cisco-Linksys model WRT600N in accordance with these standards.

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

- FCC Part 15 Subpart E Unlicensed National Information Infrastructure (U-NII) Devices
- RSS 210 Issue 6 “Low-power Licence-exempt Radiocommunication Devices (All Frequency Bands): Category I Equipment”

Tests were performed in accordance with these standards together with the current published versions of the basic standards referenced therein as outlined in Elliott Laboratories test procedures.

The test results recorded herein are based on a single type test of the Cisco-Linksys model WRT600N and therefore apply only to the tested sample. The sample was selected and prepared by Jennifer Yu of Cisco-Linksys.

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 Cisco-Linksys model WRT600N complied with the DFS requirements of:

FCC Part 15.407(h)
RSS-210, Issue 6

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

DEVIATIONS FROM THE STANDARD

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

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

The Cisco-Linksys model WRT600N is a Dual-band Wireless-N Router that is designed to provide wireless internet and networking services. Since the EUT would be placed on a tabletop during operation, the EUT was treated as tabletop equipment during testing to simulate the end-user environment. The electrical rating of the EUT is 120 Volts, 60 Hz, .5 Amps

The sample was received on April 3, 2007 and tested on April 5, 2007. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
Gemtek	WRT600N	Dual-band Wireless-N Router	-

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

Operating Modes

- ☒ Master Device
☐ Client Device
☐ Client Device with In-Service Monitoring

Antenna Gains / EIRP

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	1.6	1.6
Highest Antenna Gain (dBi)	6.7	6.7
Output Power (dBm)	17	17

- ☒ Power can exceed 200mW eirp

Channel Protocol

- ☒ IP Based
☐ Frame Based
☐ OTHER _____

ENCLOSURE

The EUT enclosure is primarily constructed of plastic. It measures approximately 30 cm wide by 5 cm deep by 25 cm high.

MODIFICATIONS

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

SUPPORT EQUIPMENT

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

Manufacturer	Model	Description	Serial Number	FCC ID
HP	Zv6000	Laptop	CND52904S1	DoC
Toshiba	PSA60U-0CS01D	Support Laptop	X4051688Q	DoC
IBM	R51	Client Laptop	99-MZ519	DoC

EUT INTERFACE PORTS

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

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length(m)
RS-232	EUT	Multiwire	Shielded	1

EUT OPERATION

The EUT was operating with the following software.

Master Device: PO.REL.4.100.27.x

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

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

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

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

TEST RESULTS**TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE, Bandwidth 20 MHz**

Description	Radar Type	Radar Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5300 MHz	-59.4dBm	$\geq 60s$	Appendix D	Pass
CAC Detection Threshold	Type 1	5300 MHz	-59.4dBm	-64dBm (see note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5300 MHz	-59.4dBm -59.4dBm -59.4dBm -59.4dBm -59.4dBm -59.4dBm	-64dBm (see note 2)	Appendix C	Pass
Channel closing transmission time	Type 1 Type 5	5300 MHz	19.26ms 0ms	$\leq 260ms$	Appendix C	Pass
Channel move time	Type 1 Type 5	5300 MHz	4.26s 0s	$\leq 10s$	Appendix C	Pass
Non-occupancy period	N/A	5300 MHz	-59.4dBm	> 30 minutes	Appendix C	Pass
Bandwidth Detection		5300 MHz	-59.4dBm	Minimum 16 MHz	Appendix F	Pass
5600 – 5650 MHz CAC		5600 MHz	-59.4dBm	10 min continuous monitoring (Note1)	-	Pass
Uniform Loading		-	-	Uniform Loading	Refer to operational description	Pass
Transmit Power Control	Not Applicable as the total EIRP power of Device is < 500mW					

Table 1 FCC Part 15 Subpart E Client Device Test Result Summary

Note 1: Per RSS-210 Section (A9.4)(2)(ii) **Additional requirements for the band 5600-5650 MHz:** devices operating in this band shall have a channel availability check time of 60 seconds for the first time the device is turned on. After that, if a channel has been flagged as containing a radar signal, either by a channel availability check or in-service monitoring, a 10-minute continuous monitoring of the flagged channel shall be required prior to use of that channel. Otherwise, other appropriate method such as channel exclusion is required.

Note 2: Minimum Antenna gain = 1.6dBi

Maximum conducted output power = 17dBm

Maximum antenna gain < 6dBi

Therefore threshold is $-62 + 1 + 1.6$ or -59.4 dBm

TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE, Bandwidth 40 MHz

Description	Radar Type	Radar Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5270 MHz	-59.4dBm	$\geq 60s$	Appendix D	Pass
CAC Detection Threshold	Type 1	5270 MHz	-59.4dBm	-64dBm (see note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5270 MHz	-59.4dBm -59.4dBm -59.4dBm -59.4dBm -59.4dBm -59.4dBm	-64dBm (see note 2)	Appendix C	Pass
Channel closing transmission time	Type 1 Type 5	5270 MHz	19.46ms 0ms	$\leq 260ms$	Appendix C	Pass
Channel move time	Type 1 Type 5	5270 MHz	4.2s 0s	$\leq 10s$	Appendix C	Pass
Non-occupancy period	N/A	5270 MHz	>30 min	> 30 minutes	Appendix C	Pass
Bandwidth Detection		5270 MHz	-59.4dBm	Minimum 16 MHz	Appendix E	Pass
5600 – 5650 MHz CAC		5270 MHz	-59.4dBm	10 min continuous monitoring (Note1)	-	Pass
Uniform Loading		-	-	Uniform Loading	Refer to operational description	Pass
Transmit Power Control	Not Applicable as the total EIRP power of Device is < 500mW					

Table 2 FCC Part 15 Subpart E Client Device Test Result Summary

Note 1: Per RSS-210 Section (A9.4)(2)(ii) **Additional requirements for the band 5600-5650 MHz:** devices operating in this band shall have a channel availability check time of 60 seconds for the first time the device is turned on. After that, if a channel has been flagged as containing a radar signal, either by a channel availability check or in-service monitoring, a 10-minute continuous monitoring of the flagged channel shall be required prior to use of that channel. Otherwise, other appropriate method such as channel exclusion is required.

Note 2: Minimum Antenna gain = 1.6dBi

Maximum conducted output power = 17dBm

Maximum antenna gain < 6dBi

Therefore threshold is $-62 + 1 + 1.6$ or -59.4 dBm

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

DFS TEST METHODS**RADIATED TEST METHOD**

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

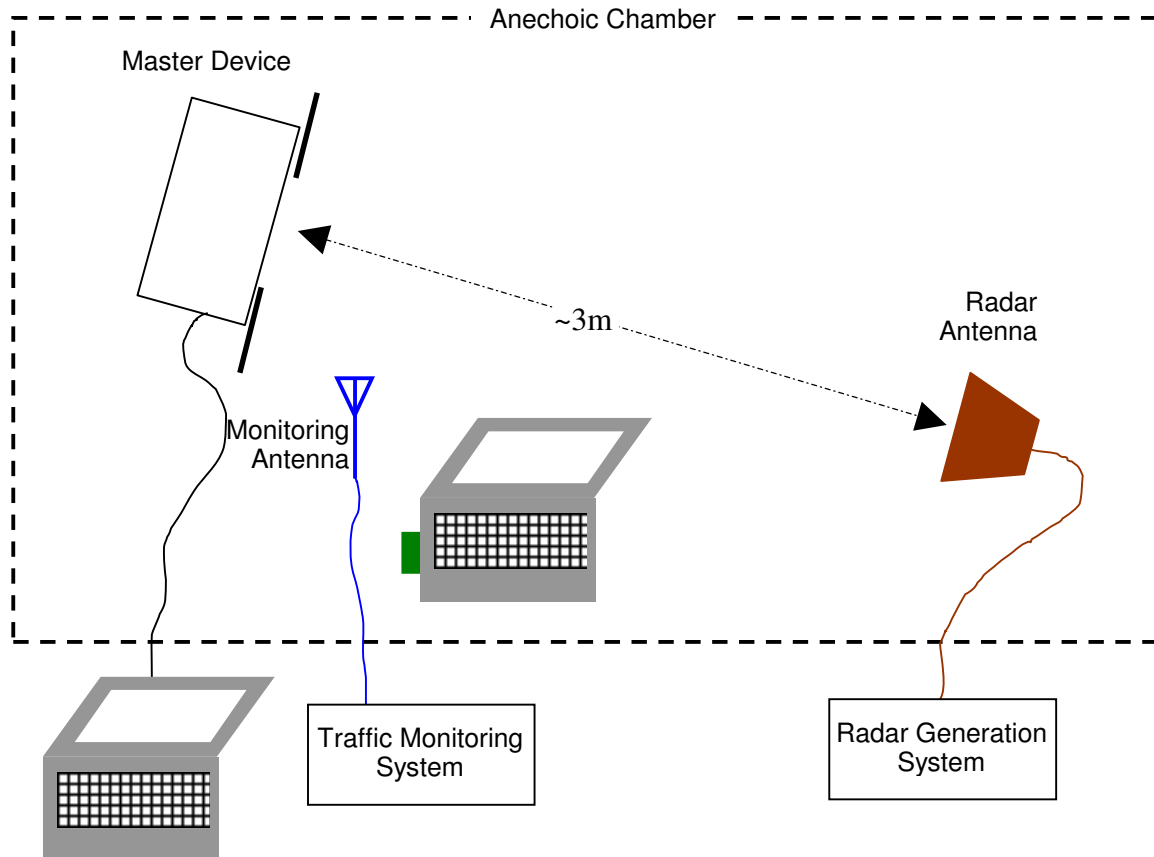


Figure 1 Test Configuration for radiated Measurement Method

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

The signal level is verified by measuring the CW signal level from the radar generation system using a reference antenna of gain G (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.

CONDUCTED TEST METHOD

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

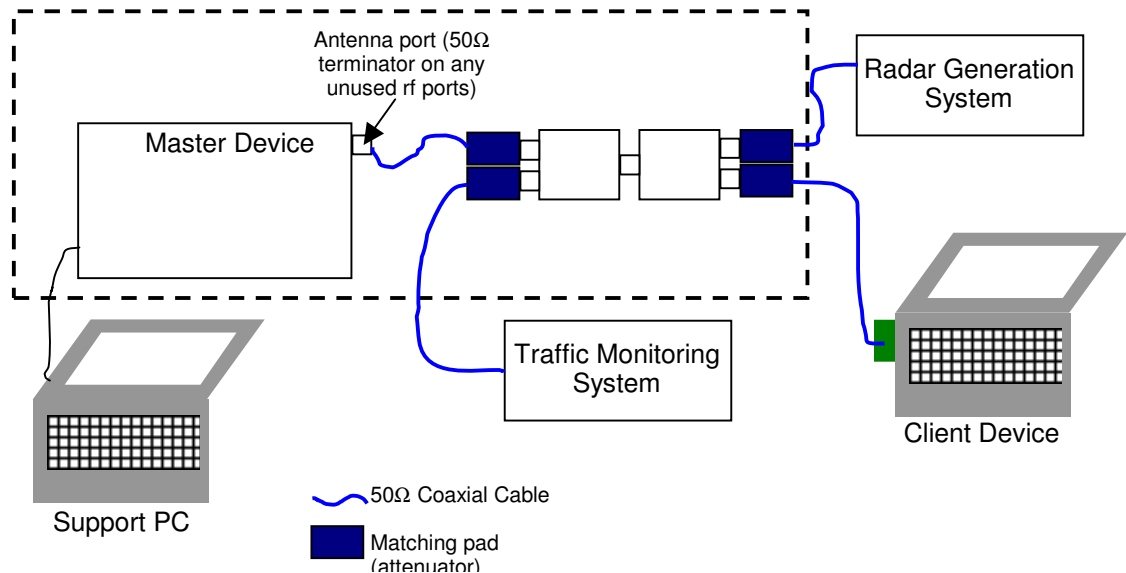


Figure 2 Test Configuration for Conducted Measurement Method

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

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

$$\text{Applied level (dBm)} = R - \text{GRDD}$$

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

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

DFS MEASUREMENT INSTRUMENTATION

RADAR GENERATION SYSTEM

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

With the exception of the hopping waveforms required by the FCC's rules (see below), the radar generator is set to a single frequency within the radar detection bandwidth of the EUT.

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

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

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

CHANNEL MONITORING SYSTEM

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

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

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

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

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

DFS MEASUREMENT METHODS**DFS RADAR DETECTION BANDWIDTH**

The radar detection bandwidth is determined by using on of the radar waveforms (in the FCC case, the selection is limited to the short duration burst waveforms) and applying radar pulses at offset 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 radar burst 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 two ways:

FCC – 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.

DFS CHANNEL AVAILABILITY CHECK TIME

It is preferred that the EUT report when it starts the radar channel availability check. In this case a single burst of one radar type is applied within 6 seconds of observing the start of the channel availability check and it is verified that the device does not use the channel. The test is repeated by applying a radar burst no sooner than 54 seconds and no later than 60 seconds after the start of the 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.

UNIFORM LOADING

Compliance with the channel loading requirement, where appropriate (i.e. when channel selection is not determined under control of the network), is demonstrated through the manufacturer's statement(s).

TRANSMIT POWER CONTROL (TPC)

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

SAMPLE CALCULATIONS

DETECTION PROBABILITY / SUCCESS RATE

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

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

THRESHOLD LEVEL

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

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

Appendix A Test Equipment Calibration Data

<u>Manufacturer</u>	<u>Description</u>	<u>Model #</u>	<u>Asset #</u>	<u>Cal Due</u>
Hewlett Packard	EMC Spectrum Analyzer, 9 kHz - 6.5 GHz	8595EM	780	05-Sep-07
Tektronix	1 GHz Oscilloscope	TDS5104	1435	10-Apr-07
EMCO	Antenna, Horn, 1-18 GHz	3117	1662	07-Apr-07
Agilent	Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	23-Nov-07

Appendix B Test Data Tables for Radar Detection Probability

Waveform Name	Success Rate	Number of Trials
FCC Short Pulse Radar (Type 1)	93.3 %	30
FCC Short Pulse Radar (Type 2)	86.7 %	30
FCC Short Pulse Radar (Type 3)	83.3 %	30
FCC Short Pulse Radar (Type 4)	66.7 %	30
Long Sequence	100.0 %	30
FCC frequency hopping radar (Type 6)	97.6 %	42

Table 3 Summary of All Results for 20 MHz Bandwidth

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected?	Fr (MHz) and level (dBm)	Hop seq.
0	18	1.0	1428.0	No	5300.0MHz, -59.4dBm	N/A
1	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
2	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
3	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
4	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
5	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
6	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
7	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
8	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
9	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
10	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
11	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
12	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
13	18	1.0	1428.0	Yes	5300.0MHz,	N/A

					-59.4dBm	
14	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
15	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
16	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
17	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
18	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
19	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
20	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
21	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
22	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
23	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
24	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
25	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
26	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
27	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A
28	18	1.0	1428.0	No	5300.0MHz, -59.4dBm	N/A
29	18	1.0	1428.0	Yes	5300.0MHz, -59.4dBm	N/A

Table 4 FCC Short Pulse Radar (Type 1) Test Results

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected?	Fr (MHz) and level (dBm)	Hop seq.
0	24	2.9	196.0	Yes	5300.0MHz, -59.4dBm	N/A
1	27	3.2	211.0	Yes	5300.0MHz, -59.4dBm	N/A
2	23	2.6	193.0	Yes	5300.0MHz, -59.4dBm	N/A
3	23	3.2	169.0	Yes	5300.0MHz, -59.4dBm	N/A
4	28	4.0	151.0	No	5300.0MHz,	N/A

					-59.4dBm	
5	26	3.1	171.0	Yes	5300.0MHz, -59.4dBm	N/A
6	25	2.9	219.0	Yes	5300.0MHz, -59.4dBm	N/A
7	28	1.4	152.0	Yes	5300.0MHz, -59.4dBm	N/A
8	27	3.1	174.0	Yes	5300.0MHz, -59.4dBm	N/A
9	27	1.2	188.0	Yes	5300.0MHz, -59.4dBm	N/A
10	24	1.2	196.0	Yes	5300.0MHz, -59.4dBm	N/A
11	26	1.9	217.0	Yes	5300.0MHz, -59.4dBm	N/A
12	25	4.1	222.0	Yes	5300.0MHz, -59.4dBm	N/A
13	28	3.7	151.0	Yes	5300.0MHz, -59.4dBm	N/A
14	29	2.0	186.0	No	5300.0MHz, -59.4dBm	N/A
15	28	1.6	181.0	Yes	5300.0MHz, -59.4dBm	N/A
16	28	2.8	203.0	No	5300.0MHz, -59.4dBm	N/A
17	25	4.6	155.0	Yes	5300.0MHz, -59.4dBm	N/A
18	25	4.4	228.0	Yes	5300.0MHz, -59.4dBm	N/A
19	29	1.4	159.0	Yes	5300.0MHz, -59.4dBm	N/A
20	27	1.5	225.0	Yes	5300.0MHz, -59.4dBm	N/A
21	27	1.3	151.0	No	5300.0MHz, -59.4dBm	N/A
22	23	3.4	224.0	Yes	5300.0MHz, -59.4dBm	N/A
23	23	4.3	188.0	Yes	5300.0MHz, -59.4dBm	N/A
24	24	1.8	219.0	Yes	5300.0MHz, -59.4dBm	N/A
25	25	1.7	221.0	Yes	5300.0MHz, -59.4dBm	N/A
26	27	4.6	198.0	Yes	5300.0MHz, -59.4dBm	N/A
27	27	4.2	205.0	Yes	5300.0MHz, -59.4dBm	N/A
28	23	3.5	187.0	Yes	5300.0MHz,	N/A

					-59.4dBm	
29	25	2.5	218.0	Yes	5300.0MHz, -59.4dBm	N/A

Table 5 FCC Short Pulse Radar (Type 2) Test Results

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected?	Fr (MHz) and level (dBm)	Hop seq.
0	18	6.5	216.0	Yes	5300.0MHz, -59.4dBm	N/A
1	16	9.0	354.0	No	5300.0MHz, -59.4dBm	N/A
2	17	8.8	396.0	Yes	5300.0MHz, -59.4dBm	N/A
3	16	8.2	389.0	Yes	5300.0MHz, -59.4dBm	N/A
4	17	6.7	417.0	Yes	5300.0MHz, -59.4dBm	N/A
5	17	6.6	386.0	Yes	5300.0MHz, -59.4dBm	N/A
6	17	8.7	432.0	Yes	5300.0MHz, -59.4dBm	N/A
7	18	9.5	342.0	Yes	5300.0MHz, -59.4dBm	N/A
8	17	9.4	308.0	Yes	5300.0MHz, -59.4dBm	N/A
9	17	8.6	385.0	Yes	5300.0MHz, -59.4dBm	N/A
10	17	6.6	309.0	Yes	5300.0MHz, -59.4dBm	N/A
11	17	8.3	490.0	Yes	5300.0MHz, -59.4dBm	N/A
12	17	9.3	428.0	Yes	5300.0MHz, -59.4dBm	N/A
13	17	9.0	224.0	Yes	5300.0MHz, -59.4dBm	N/A
14	17	8.2	451.0	No	5300.0MHz, -59.4dBm	N/A
15	17	8.8	490.0	Yes	5300.0MHz, -59.4dBm	N/A
16	17	8.6	393.0	Yes	5300.0MHz, -59.4dBm	N/A
17	17	7.7	309.0	Yes	5300.0MHz, -59.4dBm	N/A
18	17	8.7	314.0	No	5300.0MHz, -59.4dBm	N/A

19	18	9.0	431.0	Yes	5300.0MHz, -59.4dBm	N/A
20	17	7.6	433.0	Yes	5300.0MHz, -59.4dBm	N/A
21	16	6.9	243.0	Yes	5300.0MHz, -59.4dBm	N/A
22	17	6.9	448.0	No	5300.0MHz, -59.4dBm	N/A
23	17	9.7	237.0	Yes	5300.0MHz, -59.4dBm	N/A
24	17	6.8	315.0	Yes	5300.0MHz, -59.4dBm	N/A
25	17	9.8	439.0	Yes	5300.0MHz, -59.4dBm	N/A
26	17	6.0	335.0	No	5300.0MHz, -59.4dBm	N/A
27	18	9.6	466.0	Yes	5300.0MHz, -59.4dBm	N/A
28	18	9.3	279.0	Yes	5300.0MHz, -59.4dBm	N/A
29	16	7.7	304.0	Yes	5300.0MHz, -59.4dBm	N/A

Table 6 FCC Short Pulse Radar (Type 3) Test Results

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected?	Fr (MHz) and level (dBm)	Hop seq.
0	15	16.6	445.0	No	5300.0MHz, -59.4dBm	N/A
1	16	19.6	417.0	Yes	5300.0MHz, -59.4dBm	N/A
2	16	18.9	241.0	Yes	5300.0MHz, -59.4dBm	N/A
3	13	15.1	339.0	Yes	5300.0MHz, -59.4dBm	N/A
4	15	16.2	429.0	Yes	5300.0MHz, -59.4dBm	N/A
5	13	12.6	467.0	Yes	5300.0MHz, -59.4dBm	N/A
6	15	19.1	492.0	Yes	5300.0MHz, -59.4dBm	N/A
7	15	16.5	332.0	No	5300.0MHz, -59.4dBm	N/A
8	16	11.2	494.0	No	5300.0MHz, -59.4dBm	N/A
9	15	19.8	405.0	Yes	5300.0MHz, -59.4dBm	N/A

10	13	12.4	364.0	Yes	5300.0MHz, -59.4dBm	N/A
11	13	13.0	452.0	No	5300.0MHz, -59.4dBm	N/A
12	13	15.5	368.0	Yes	5300.0MHz, -59.4dBm	N/A
13	14	15.3	439.0	No	5300.0MHz, -59.4dBm	N/A
14	16	19.1	338.0	Yes	5300.0MHz, -59.4dBm	N/A
15	16	12.8	253.0	Yes	5300.0MHz, -59.4dBm	N/A
16	13	19.3	382.0	Yes	5300.0MHz, -59.4dBm	N/A
17	14	15.0	454.0	Yes	5300.0MHz, -59.4dBm	N/A
18	14	12.6	238.0	No	5300.0MHz, -59.4dBm	N/A
19	12	18.9	228.0	No	5300.0MHz, -59.4dBm	N/A
20	13	18.5	293.0	Yes	5300.0MHz, -59.4dBm	N/A
21	13	14.4	225.0	No	5300.0MHz, -59.4dBm	N/A
22	13	17.4	303.0	No	5300.0MHz, -59.4dBm	N/A
23	15	14.4	233.0	Yes	5300.0MHz, -59.4dBm	N/A
24	15	16.2	307.0	Yes	5300.0MHz, -59.4dBm	N/A
25	15	18.5	335.0	Yes	5300.0MHz, -59.4dBm	N/A
26	14	13.0	384.0	Yes	5300.0MHz, -59.4dBm	N/A
27	12	16.5	433.0	Yes	5300.0MHz, -59.4dBm	N/A
28	16	13.7	437.0	Yes	5300.0MHz, -59.4dBm	N/A
29	12	15.7	351.0	No	5300.0MHz, -59.4dBm	N/A

Table 7 FCC Short Pulse Radar (Type 4) Test Results

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5300.0MHz, -59.4dBm
Trial #2	Detected	5300.0MHz,

		-59.4dBm
Trial #3	Detected	5300.0MHz, -59.4dBm
Trial #4	Detected	5300.0MHz, -59.4dBm
Trial #5	Detected	5300.0MHz, -59.4dBm
Trial #6	Detected	5300.0MHz, -59.4dBm
Trial #7	Detected	5300.0MHz, -59.4dBm
Trial #8	Detected	5300.0MHz, -59.4dBm
Trial #9	Detected	5300.0MHz, -59.4dBm
Trial #10	Detected	5300.0MHz, -59.4dBm
Trial #11	Detected	5300.0MHz, -59.4dBm
Trial #12	Detected	5300.0MHz, -59.4dBm
Trial #13	Detected	5300.0MHz, -59.4dBm
Trial #14	Detected	5300.0MHz, -59.4dBm
Trial #15	Detected	5300.0MHz, -59.4dBm
Trial #16	Detected	5300.0MHz, -59.4dBm
Trial #17	Detected	5300.0MHz, -59.4dBm
Trial #18	Detected	5300.0MHz, -59.4dBm
Trial #19	Detected	5300.0MHz, -59.4dBm
Trial #20	Detected	5300.0MHz, -59.4dBm
Trial #21	Detected	5300.0MHz, -59.4dBm
Trial #22	Detected	5300.0MHz, -59.4dBm
Trial #23	Detected	5300.0MHz, -59.4dBm
Trial #24	Detected	5300.0MHz, -59.4dBm
Trial #25	Detected	5300.0MHz, -59.4dBm
Trial #26	Detected	5300.0MHz,

		-59.4dBm
Trial #27	Detected	5300.0MHz, -59.4dBm
Trial #28	Detected	5300.0MHz, -59.4dBm
Trial #29	Detected	5300.0MHz, -59.4dBm
Trial #30	Detected	5300.0MHz, -59.4dBm

Table 8 Long Sequence Waveform Summary

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	89.5	11	-	-	0.598424
1	3	53.1	16	1346.0	1224.0	1.524230
2	2	62.0	12	1725.0	-	2.308098
3	2	75.9	8	1417.0	-	3.585873
4	2	67.3	11	1860.0	-	4.544644
5	2	54.1	20	1471.0	-	5.730319
6	3	70.3	19	1658.0	1348.0	6.621714
7	2	75.4	10	1836.0	-	7.910055
8	1	89.6	20	-	-	8.574235
9	2	97.6	10	1814.0	-	9.039083
10	1	59.9	10	-	-	10.449028
11	2	65.3	17	1416.0	-	11.296766

Table 9 Long Sequence Waveform Trial#1 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	90.6	17	-	-	0.012965
1	3	93.8	13	1435.0	1447.0	1.376183
2	2	72.3	13	1363.0	-	2.452784
3	1	85.8	11	-	-	3.074663
4	2	94.6	10	1562.0	-	4.410279
5	1	91.6	9	-	-	5.357556
6	2	94.0	12	1113.0	-	6.173145
7	2	89.9	10	1349.0	-	7.374009
8	2	72.8	10	1962.0	-	8.281245
9	2	87.2	5	1512.0	-	8.354359
10	2	78.0	17	1445.0	-	9.760415
11	2	69.4	19	1431.0	-	10.247191
12	3	77.2	6	1854.0	1561.0	11.975544

Table 10 Long Sequence Waveform Trial#2 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	61.7	10	1136.0	-	0.549877
1	2	82.7	14	1835.0	-	0.940192
2	2	83.6	11	1795.0	-	1.962432
3	1	76.3	18	-	-	2.575473
4	2	75.6	15	1347.0	-	2.838310
5	2	96.8	17	1768.0	-	3.940575
6	2	66.8	10	1064.0	-	4.060859
7	2	91.2	20	1599.0	-	5.049215
8	3	79.2	17	1077.0	1857.0	5.605484
9	1	78.7	9	-	-	6.520822
10	1	89.6	16	-	-	7.241229
11	2	65.7	16	1443.0	-	7.359035
12	3	75.1	19	1267.0	1313.0	8.336993
13	2	61.9	19	1530.0	-	9.150877
14	2	82.1	6	1058.0	-	9.683181
15	3	60.6	12	1655.0	1733.0	10.536110
16	2	100.0	11	1176.0	-	10.809300
17	2	60.9	9	1046.0	-	11.355353

Table 11 Long Sequence Waveform Trial#3 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	99.7	10	1392.0	-	0.988954
1	2	66.5	12	1991.0	-	1.891389
2	2	61.5	18	1152.0	-	3.260859
3	2	61.8	18	1439.0	-	3.527790
4	2	66.1	14	1270.0	-	5.325905
5	3	60.8	14	1763.0	1087.0	5.462235
6	3	70.5	16	1249.0	1505.0	7.447428
7	3	88.8	13	1664.0	1515.0	8.141405
8	1	75.0	14	-	-	9.023581
9	1	54.2	20	-	-	10.472144
10	1	94.3	6	-	-	11.959245

Table 12 Long Sequence Waveform Trial#4 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	52.7	12	1939.0	-	0.493282
1	2	96.6	10	1975.0	-	2.243167
2	2	73.8	6	1132.0	-	3.550555
3	1	92.5	14	-	-	4.786737
4	3	69.8	10	1238.0	1177.0	5.578816
5	2	92.4	12	1447.0	-	6.371485
6	3	70.8	9	1171.0	1672.0	8.259570
7	2	89.2	19	1587.0	-	9.030590
8	2	98.1	19	1232.0	-	10.214453
9	3	78.4	17	1465.0	1282.0	11.054631

Table 13 Long Sequence Waveform Trial#5 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	74.8	15	1594.0	-	0.621273
1	2	80.1	9	1040.0	-	1.888435
2	3	91.8	5	1640.0	1953.0	2.841729
3	2	85.3	17	1529.0	-	4.568986
4	2	76.5	9	1925.0	-	5.573340
5	2	99.5	19	1283.0	-	7.909895
6	3	93.8	6	1304.0	1807.0	8.361502
7	2	70.4	5	1268.0	-	9.850195
8	2	92.2	12	1085.0	-	11.284359

Table 14 Long Sequence Waveform Trial#6 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	95.6	6	1586.0	1966.0	0.633145
1	1	84.8	18	-	-	1.104473
2	2	59.7	19	1263.0	-	1.673098
3	1	82.6	17	-	-	2.327823
4	2	73.0	7	1298.0	-	3.342138
5	3	71.2	7	1753.0	1624.0	4.236499
6	1	76.5	6	-	-	5.082236
7	2	66.5	7	1582.0	-	5.350655
8	3	80.4	6	1197.0	1878.0	6.470048
9	3	52.1	8	1809.0	1822.0	6.798109
10	3	75.2	13	1211.0	1780.0	7.700241
11	1	96.9	7	-	-	8.926659
12	1	100.0	8	-	-	9.680024
13	2	71.5	14	1492.0	-	10.416883
14	3	94.2	19	1633.0	1753.0	10.658820
15	2	98.0	6	1801.0	-	11.343028

Table 15 Long Sequence Waveform Trial#7 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	90.1	9	1701.0	-	0.538362
1	2	54.3	16	1774.0	-	1.743459
2	1	72.3	18	-	-	3.065210
3	3	82.0	15	1197.0	1915.0	4.211653
4	2	76.2	12	1108.0	-	5.162180
5	2	85.1	12	1149.0	-	6.497286
6	2	61.8	5	1524.0	-	6.622126
7	2	54.3	13	1188.0	-	7.875733
8	2	79.9	7	1963.0	-	9.002997
9	2	70.0	11	1731.0	-	9.882958
10	1	81.7	8	-	-	11.109966

Table 16 Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	70.6	15	-	-	0.343981
1	2	60.9	20	1510.0	-	0.788350
2	3	90.5	14	1016.0	1683.0	1.667117
3	1	72.7	6	-	-	2.013296
4	1	78.2	15	-	-	2.844222
5	1	97.2	16	-	-	3.584433
6	1	62.2	13	-	-	4.445113
7	1	90.7	7	-	-	5.199773
8	3	98.3	14	1061.0	1216.0	5.904253
9	2	60.1	11	1789.0	-	6.479666
10	2	80.1	12	1689.0	-	6.963630
11	2	58.7	19	1932.0	-	7.672315
12	2	70.4	10	1437.0	-	8.181973
13	2	92.2	9	1581.0	-	9.183182
14	2	98.7	17	1267.0	-	9.517756
15	1	58.1	13	-	-	10.520599
16	2	54.3	11	1965.0	-	10.922440
17	3	95.6	18	1756.0	1905.0	11.751727

Table 17 Long Sequence Waveform Trial#9 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	57.1	18	1073.0	-	0.356171
1	3	70.4	10	1606.0	1634.0	1.130596
2	3	58.8	5	1706.0	1264.0	1.398410
3	3	80.8	7	1970.0	1824.0	2.340089
4	3	80.6	11	1870.0	1659.0	3.125229
5	1	83.7	15	-	-	3.712804
6	3	56.5	5	1137.0	1875.0	4.005222
7	2	58.5	20	1982.0	-	4.931179
8	3	54.4	6	1829.0	1862.0	5.221825
9	3	84.5	17	1267.0	1522.0	6.233070
10	1	86.8	15	-	-	6.893202
11	1	73.9	5	-	-	6.992356
12	1	97.2	20	-	-	8.117673
13	2	70.0	7	1887.0	-	8.704158
14	3	75.7	20	1326.0	1168.0	9.237453
15	1	98.9	11	-	-	9.954840
16	2	59.2	17	1157.0	-	10.378770
17	3	89.2	10	1658.0	1394.0	11.137981
18	3	91.2	18	1245.0	1904.0	11.713854

Table 18 Long Sequence Waveform Trial#10 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	61.4	15	1831.0	-	0.863326
1	2	98.2	11	1732.0	-	1.411655
2	2	87.9	10	1116.0	-	2.613665
3	1	94.9	11	-	-	3.734830
4	2	83.7	14	1294.0	-	4.794352
5	2	89.1	7	1465.0	-	5.342403
6	3	87.9	17	1494.0	1241.0	6.941210
7	3	70.3	8	1141.0	1805.0	7.937148
8	3	81.5	18	1411.0	1452.0	8.227236
9	2	69.1	19	1073.0	-	9.071582
10	1	73.2	8	-	-	10.691368
11	1	65.5	12	-	-	11.981826

Table 19 Long Sequence Waveform Trial#11 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	82.3	10	1427.0	-	0.314532
1	2	85.2	12	1088.0	-	0.763440
2	2	72.7	13	1751.0	-	1.854460
3	2	70.3	7	1263.0	-	2.589311
4	2	53.8	19	1111.0	-	3.110935
5	2	68.0	15	1702.0	-	3.587086
6	3	71.8	11	1503.0	1385.0	4.596811
7	1	64.5	16	-	-	4.763644
8	2	94.6	13	1597.0	-	5.998062
9	3	70.4	6	1252.0	1473.0	6.582006
10	1	77.1	14	-	-	6.931108
11	2	70.5	7	1705.0	-	7.978726
12	2	59.5	17	1631.0	-	8.168359
13	1	75.7	8	-	-	9.202525
14	3	67.9	17	1074.0	1842.0	9.783896
15	2	89.2	7	1154.0	-	10.352569
16	2	77.7	8	1104.0	-	10.754170
17	1	79.1	10	-	-	11.373395

Table 20 Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	68.8	11	1412.0	-	0.187554
1	2	77.4	12	1329.0	-	1.451626
2	3	63.9	12	1742.0	1406.0	2.215022
3	1	92.3	13	-	-	3.507431
4	2	87.0	8	1012.0	-	3.838239
5	3	83.0	5	1399.0	1498.0	4.894956
6	3	52.0	19	1593.0	1977.0	6.188333
7	2	97.9	13	1594.0	-	6.697328
8	3	95.9	7	1188.0	1852.0	8.196494
9	2	74.8	20	1202.0	-	8.705609
10	2	95.6	20	1417.0	-	9.497553
11	3	68.9	18	1880.0	1482.0	10.209396
12	3	52.0	9	1335.0	1654.0	11.838578

Table 21 Long Sequence Waveform Trial#13 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	79.2	15	1677.0	-	0.598542
1	3	95.3	18	1178.0	1362.0	1.201480
2	3	79.8	7	1931.0	1135.0	1.309466
3	2	99.2	20	1401.0	-	2.221536
4	1	87.6	13	-	-	2.619505
5	1	61.0	11	-	-	3.349248
6	1	84.1	19	-	-	4.402036
7	3	93.4	7	1132.0	1286.0	4.481369
8	1	89.1	6	-	-	5.570119
9	1	87.5	19	-	-	5.724106
10	1	96.7	7	-	-	6.390645
11	3	58.1	8	1197.0	1641.0	7.333834
12	1	50.2	8	-	-	7.994818
13	1	79.2	7	-	-	8.400466
14	2	81.5	8	1689.0	-	9.048227
15	3	87.4	12	1272.0	1593.0	9.900808
16	3	88.3	20	1892.0	1579.0	10.481166
17	3	88.0	13	1344.0	1307.0	10.762382
18	2	95.8	12	1928.0	-	11.949613

Table 22 Long Sequence Waveform Trial#14 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	81.7	15	-	-	0.750409
1	3	84.0	14	1235.0	1819.0	1.707029
2	1	94.6	17	-	-	1.897145
3	2	57.2	19	1412.0	-	3.277107
4	1	65.0	14	-	-	3.527530
5	3	52.5	6	1279.0	1548.0	4.839744
6	1	54.9	8	-	-	5.701220
7	2	96.9	19	1046.0	-	6.273879
8	2	66.7	16	1224.0	-	6.890483
9	2	87.7	18	1286.0	-	8.292537
10	2	66.6	17	1771.0	-	9.048225
11	2	73.4	13	1909.0	-	9.744606
12	1	76.7	13	-	-	11.052019
13	2	72.6	17	1781.0	-	11.232890

Table 23 Long Sequence Waveform Trial#15 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	96.5	19	1195.0	1605.0	0.874470
1	2	78.4	8	1758.0	-	1.855585
2	1	64.5	16	-	-	3.499839
3	1	98.8	7	-	-	4.621477
4	2	63.4	8	1182.0	-	5.662057
5	1	80.7	10	-	-	6.685215
6	3	59.8	12	1751.0	1689.0	7.548762
7	2	70.0	19	1266.0	-	9.534387
8	2	53.5	17	1640.0	-	9.799478
9	2	95.3	13	1270.0	-	11.439514

Table 24 Long Sequence Waveform Trial#16 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	72.1	17	-	-	0.437673
1	1	66.4	10	-	-	1.181350
2	3	57.4	14	1641.0	1595.0	1.424780
3	1	89.5	19	-	-	2.743674
4	3	52.5	9	1871.0	1869.0	3.388559
5	3	50.7	10	1561.0	1681.0	3.910766
6	2	55.7	18	1634.0	-	4.747785
7	3	61.8	7	1121.0	1609.0	5.165821
8	2	80.1	12	1375.0	-	5.912910
9	2	61.3	17	1066.0	-	6.652576
10	1	98.7	10	-	-	7.158429
11	2	98.7	8	1514.0	-	8.421602
12	1	52.7	11	-	-	9.056227
13	2	66.2	20	1238.0	-	9.836076
14	2	76.0	7	1074.0	-	10.167811
15	2	83.1	9	1652.0	-	10.721939
16	1	64.6	8	-	-	11.841455

Table 25 Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	68.3	16	1828.0	-	0.564018
1	2	74.7	19	1332.0	-	1.591994
2	2	98.6	17	1104.0	-	2.597454
3	1	88.0	9	-	-	3.138305
4	2	83.6	7	1708.0	-	4.748059
5	3	94.3	16	1467.0	1994.0	5.394261
6	2	95.0	19	1038.0	-	6.521511
7	2	90.5	18	1889.0	-	7.195338
8	2	87.9	18	1113.0	-	8.595447
9	2	74.0	15	1770.0	-	9.195800
10	1	54.1	18	-	-	10.601919
11	1	84.6	13	-	-	11.730065

Table 26 Long Sequence Waveform Trial#18 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	53.2	20	-	-	0.801298
1	3	95.2	19	1404.0	1376.0	0.970268
2	1	52.6	7	-	-	1.952232
3	1	95.0	12	-	-	2.993592
4	1	51.7	10	-	-	3.771949
5	1	53.4	15	-	-	5.027529
6	3	98.1	12	1985.0	1181.0	5.966980
7	2	81.6	17	1912.0	-	6.505627
8	2	66.0	6	1945.0	-	7.380650
9	1	64.9	14	-	-	8.168292
10	1	59.3	8	-	-	8.987451
11	2	96.5	17	1916.0	-	10.265938
12	1	63.7	18	-	-	10.828685
13	1	98.1	10	-	-	11.819609

Table 27 Long Sequence Waveform Trial#19 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	88.0	6	1019.0	1482.0	0.059069
1	2	94.4	14	1376.0	-	0.714058
2	1	78.1	11	-	-	1.619310
3	1	58.5	13	-	-	1.854936
4	3	80.2	6	1582.0	1823.0	2.588434
5	1	84.1	5	-	-	3.033379
6	2	67.0	15	1651.0	-	3.913944
7	2	57.9	9	1474.0	-	4.676868
8	2	53.6	9	1179.0	-	5.043699
9	2	76.6	11	1815.0	-	5.583952
10	2	94.4	14	1346.0	-	6.195611
11	2	84.2	14	1441.0	-	7.073988
12	2	75.4	16	1684.0	-	7.739909
13	3	96.0	19	1112.0	1604.0	8.140313
14	1	74.2	13	-	-	8.443631
15	1	74.3	10	-	-	9.379244
16	1	50.5	11	-	-	9.738313
17	1	96.2	10	-	-	10.221286
18	2	53.2	16	1263.0	-	10.958129
19	1	97.1	15	-	-	11.453471

Table 28 Long Sequence Waveform Trial#20 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	50.6	19	1208.0	1938.0	0.388745
1	2	80.2	18	1508.0	-	0.850152
2	2	54.2	16	1064.0	-	1.749335
3	2	83.8	17	1150.0	-	2.150519
4	1	74.1	17	-	-	3.386926
5	1	73.8	6	-	-	3.695221
6	1	50.1	20	-	-	4.323854
7	2	95.7	6	1771.0	-	5.077656
8	2	66.7	8	1681.0	-	5.869477
9	3	75.1	16	1371.0	1680.0	6.778409
10	2	64.9	7	1825.0	-	7.612276
11	3	55.3	13	1137.0	1128.0	8.124585
12	2	79.9	9	1833.0	-	8.961046
13	2	88.4	5	1791.0	-	9.497356
14	1	67.4	18	-	-	10.087210
15	1	72.3	8	-	-	11.039094
16	1	92.1	16	-	-	11.768201

Table 29 Long Sequence Waveform Trial#21 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	73.5	18	1469.0	1579.0	0.174459
1	2	79.8	16	1344.0	-	1.241086
2	1	92.7	16	-	-	2.964604
3	2	100.0	11	1507.0	-	4.237005
4	3	87.8	15	1180.0	1519.0	5.256896
5	1	59.6	9	-	-	6.319062
6	2	63.1	16	1039.0	-	7.205343
7	3	54.2	8	1043.0	1482.0	8.616148
8	2	66.2	11	1187.0	-	10.468872
9	3	61.5	6	1110.0	1005.0	11.283286

Table 30 Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	53.9	20	1722.0	1093.0	0.042828
1	1	64.6	6	-	-	0.857732
2	3	67.6	11	1348.0	1780.0	2.386128
3	3	97.9	10	1553.0	1038.0	3.119040
4	2	86.8	17	1368.0	-	3.394790
5	3	80.2	10	1313.0	1381.0	4.486119
6	3	79.3	13	1282.0	1021.0	5.500789
7	1	58.7	13	-	-	6.328488
8	2	66.2	15	1933.0	-	6.786549
9	3	55.9	20	1220.0	1479.0	7.758659
10	1	81.9	19	-	-	8.012345
11	3	84.4	15	1300.0	1593.0	9.450960
12	2	68.7	8	1408.0	-	10.092592
13	3	72.0	11	1837.0	1868.0	10.605406
14	1	97.4	10	-	-	11.767539

Table 31 Long Sequence Waveform Trial#23 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	74.4	19	1264.0	-	0.566416
1	2	79.7	15	1521.0	-	0.748310
2	3	75.7	10	1462.0	1125.0	1.723044
3	2	60.6	18	1809.0	-	2.225352
4	3	79.5	9	1396.0	1623.0	2.859283
5	1	74.9	20	-	-	3.615267
6	1	72.2	17	-	-	4.367937
7	1	87.9	18	-	-	4.968516
8	3	97.8	13	1805.0	1574.0	5.397651
9	3	76.5	7	1428.0	1597.0	6.442970
10	2	76.4	12	1567.0	-	6.727572
11	3	56.3	11	1543.0	1647.0	7.599330
12	3	50.4	8	1733.0	1457.0	8.087216
13	2	80.0	15	1639.0	-	9.056678
14	2	65.0	5	1588.0	-	9.490229
15	2	62.1	14	1691.0	-	10.534006
16	2	66.3	19	1583.0	-	10.940421
17	2	72.7	10	1720.0	-	11.570457

Table 32 Long Sequence Waveform Trial#24 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	88.9	18	1233.0	-	0.422065
1	3	81.0	14	1985.0	1749.0	1.598428
2	1	70.9	18	-	-	2.933083
3	2	62.9	8	1789.0	-	4.490199
4	2	87.1	16	1747.0	-	4.996937
5	3	55.6	19	1703.0	1602.0	6.038820
6	3	52.2	6	1752.0	1351.0	7.667546
7	3	85.6	14	1350.0	1472.0	8.618700
8	3	84.6	14	1963.0	1231.0	9.641540
9	1	89.2	7	-	-	10.943502

Table 33 Long Sequence Waveform Trial#25 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	51.3	18	-	-	0.704412
1	3	55.8	16	1270.0	1782.0	2.594097
2	3	80.9	16	1345.0	1695.0	3.373574
3	3	59.5	16	1130.0	1026.0	5.310029
4	2	62.2	13	1255.0	-	6.123964
5	3	98.9	9	1228.0	1666.0	7.725269
6	1	75.5	11	-	-	8.943829
7	3	69.7	10	1943.0	1583.0	10.435572
8	2	72.0	5	1412.0	-	11.482464

Table 34 Long Sequence Waveform Trial#26 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	59.9	15	1443.0	-	0.120907
1	2	95.9	6	1997.0	-	1.634102
2	2	81.6	8	1706.0	-	2.904720
3	3	61.8	19	1519.0	1380.0	3.504577
4	1	83.2	14	-	-	4.840075
5	2	87.5	13	1297.0	-	5.833232
6	3	92.7	16	1371.0	1278.0	6.354271
7	2	51.1	11	1616.0	-	7.216496
8	2	56.1	15	1323.0	-	8.880591
9	2	89.8	7	1318.0	-	9.428246
10	2	59.9	17	1566.0	-	10.811307
11	2	56.1	6	1356.0	-	11.919593

Table 35 Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	95.2	14	-	-	0.367491
1	2	75.2	9	1651.0	-	1.303563
2	2	87.2	6	1888.0	-	2.232779
3	1	60.9	6	-	-	2.739241
4	2	81.9	12	1129.0	-	3.949395
5	2	57.6	17	1768.0	-	4.505171
6	3	78.6	8	1915.0	1584.0	5.393215
7	2	75.0	15	1101.0	-	5.984468
8	3	84.5	13	1786.0	1928.0	6.787301
9	3	86.8	11	1675.0	1497.0	7.698620
10	1	78.7	6	-	-	8.304617
11	1	76.9	10	-	-	8.897687
12	1	70.2	18	-	-	10.134256
13	2	76.6	20	1359.0	-	10.685986
14	2	87.5	16	1117.0	-	11.522928

Table 36 Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	53.1	6	1211.0	-	0.193976
1	2	76.4	14	1667.0	-	0.779310
2	3	51.2	13	1470.0	1886.0	1.563023
3	2	88.9	6	1270.0	-	2.268044
4	2	60.4	19	1538.0	-	2.649991
5	2	50.4	10	1000.0	-	3.193428
6	3	76.3	6	1190.0	1972.0	4.006353
7	2	87.4	16	1306.0	-	4.549917
8	3	54.5	15	1352.0	1985.0	4.875350
9	3	83.9	20	1064.0	1558.0	5.983362
10	1	89.8	11	-	-	6.182998
11	3	58.8	12	1688.0	1331.0	6.615194
12	3	97.6	17	1354.0	1585.0	7.752133
13	1	92.7	20	-	-	7.930228
14	2	70.7	17	1860.0	-	8.554190
15	3	97.4	8	1199.0	1480.0	9.238452
16	3	97.8	10	1475.0	1617.0	9.850479
17	3	64.1	10	1682.0	1571.0	10.379848
18	2	57.3	11	1076.0	-	11.195836
19	1	57.4	10	-	-	11.410759

Table 37 Long Sequence Waveform Trial#29 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	95.8	9	1106.0	1321.0	0.357702
1	3	100.0	17	1632.0	1520.0	2.626132
2	1	92.0	9	-	-	3.208611
3	1	57.2	5	-	-	5.299457
4	3	68.4	17	1240.0	1700.0	6.135284
5	3	92.7	15	1622.0	1798.0	7.452002
6	2	74.1	16	1584.0	-	8.906331
7	2	72.9	11	1652.0	-	10.570962
8	2	71.5	11	1537.0	-	10.872512

Table 38 Long Sequence Waveform Trial#30 (Detected)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected?	Fr (MHz) and level (dBm)	Hop seq.
0	9	1.0	333.0	Yes	5290.0MHz, -59.4dBm	5367, 5486, 5704, 5333, 5666, 5672, 5610, 5337, 5358, 5394, 5580, 5710, 5296, 5700, 5368, 5414, 5690, 5668, 5688, 5550, 5650, 5460, 5664, 5429, 5586, 5408, 5623, 5363, 5696, 5624, 5398, 5596, 5343, 5656, 5445, 5323, 5334, 5719, 5256, 5335, 5388, 5667, 5516, 5673, 5431, 5499, 5511, 5354, 5452, 5536, 5484, 5567, 5631, 5678, 5360, 5265, 5326, 5470, 5435, 5554, 5497, 5279, 5273, 5523, 5449, 5319, 5720, 5338, 5488, 5530, 5312, 5649, 5693, 5621, 5588, 5658, 5607, 5406, 5568, 5671, 5722, 5321, 5383, 5517, 5351, 5455, 5261, 5594, 5294, 5324, 5681, 5280, 5627, 5625, 5364, 5352, 5379, 5318, 5350, 5565 (2 hits)
1	9	1.0	333.0	Yes	5291.0MHz, -59.4dBm	5664, 5673, 5478, 5498, 5349, 5404, 5661, 5557, 5614, 5482, 5406, 5410, 5518, 5638, 5627, 5314, 5337, 5724, 5591, 5723, 5635, 5470, 5702, 5449, 5562, 5688, 5252, 5296, 5477, 5452, 5640, 5659, 5725, 5701, 5408, 5358, 5684, 5467, 5676, 5267, 5451, 5263, 5329, 5618, 5631, 5261, 5538, 5420, 5672, 5594, 5366, 5488, 5699, 5675, 5531, 5617, 5506, 5254, 5327, 5382, 5610, 5257, 5395, 5523, 5583, 5294, 5300, 5356, 5271, 5468, 5602, 5569, 5309, 5528, 5363, 5447,

						5509, 5383, 5530, 5458, 5273, 5301, 5377, 5328, 5487, 5390, 5433, 5485, 5323, 5270, 5431, 5510, 5630, 5436, 5456, 5550, 5714, 5592, 5513, 5443 (5 hits)
2	9	1.0	333.0	Yes	5292.0MHz, -59.4dBm	5712, 5385, 5355, 5490, 5291, 5253, 5525, 5682, 5589, 5716, 5486, 5346, 5483, 5502, 5340, 5671, 5318, 5528, 5492, 5518, 5588, 5464, 5599, 5695, 5708, 5405, 5317, 5274, 5375, 5469, 5656, 5446, 5508, 5265, 5689, 5305, 5678, 5539, 5412, 5337, 5497, 5280, 5372, 5262, 5668, 5424, 5681, 5288, 5669, 5677, 5611, 5459, 5331, 5548, 5383, 5478, 5332, 5562, 5310, 5655, 5267, 5639, 5500, 5522, 5721, 5660, 5266, 5675, 5560, 5521, 5271, 5505, 5653, 5415, 5377, 5433, 5413, 5447, 5533, 5391, 5438, 5535, 5700, 5252, 5597, 5577, 5579, 5595, 5503, 5378, 5687, 5289, 5311, 5484, 5625, 5307, 5336, 5440, 5626, 5488 (4 hits)
3	9	1.0	333.0	Yes	5293.0MHz, -59.4dBm	5393, 5724, 5402, 5587, 5479, 5474, 5330, 5620, 5368, 5719, 5326, 5688, 5643, 5437, 5582, 5480, 5713, 5448, 5685, 5278, 5354, 5697, 5321, 5399, 5289, 5433, 5585, 5521, 5658, 5632, 5386, 5271, 5363, 5639, 5262, 5261, 5477, 5315, 5660, 5596, 5691, 5453, 5631, 5715, 5450, 5348, 5498, 5589, 5621, 5446, 5544, 5532, 5656, 5519, 5525, 5664, 5301, 5508, 5270, 5562, 5306, 5646, 5410, 5416,

						5358, 5607, 5615, 5415, 5412, 5653, 5452, 5535, 5523, 5516, 5359, 5512, 5439, 5626, 5307, 5518, 5609, 5425, 5447, 5295, 5347, 5430, 5682, 5325, 5641, 5567, 5540, 5556, 5638, 5640, 5602, 5613, 5546, 5550, 5336, 5275 (4 hits)
4	9	1.0	333.0	Yes	5294.0MHz, -59.4dBm	5673, 5597, 5709, 5282, 5596, 5538, 5471, 5679, 5572, 5457, 5359, 5717, 5476, 5410, 5516, 5588, 5445, 5253, 5579, 5312, 5481, 5363, 5377, 5318, 5498, 5443, 5522, 5354, 5665, 5507, 5400, 5298, 5535, 5496, 5521, 5506, 5607, 5416, 5261, 5399, 5641, 5461, 5691, 5495, 5622, 5569, 5465, 5504, 5554, 5605, 5502, 5438, 5413, 5689, 5302, 5303, 5347, 5540, 5647, 5436, 5360, 5630, 5682, 5305, 5405, 5562, 5407, 5563, 5307, 5702, 5386, 5488, 5643, 5623, 5628, 5646, 5279, 5517, 5269, 5256, 5404, 5719, 5342, 5722, 5467, 5291, 5627, 5707, 5349, 5687, 5293, 5406, 5639, 5490, 5536, 5258, 5475, 5659, 5556, 5327 (7 hits)
5	9	1.0	333.0	Yes	5295.0MHz, -59.4dBm	5616, 5430, 5523, 5515, 5611, 5603, 5436, 5310, 5294, 5253, 5296, 5535, 5704, 5351, 5370, 5287, 5539, 5723, 5308, 5525, 5466, 5571, 5652, 5363, 5401, 5536, 5396, 5644, 5615, 5619, 5596, 5714, 5665, 5494, 5486, 5548, 5706, 5446, 5336, 5562, 5568, 5314, 5343, 5622, 5489, 5575, 5496, 5654, 5389, 5330, 5269, 5580,

						5512, 5299, 5410, 5483, 5629, 5534, 5705, 5356, 5508, 5552, 5519, 5263, 5656, 5695, 5701, 5449, 5456, 5256, 5337, 5697, 5602, 5383, 5437, 5661, 5380, 5646, 5280, 5346, 5347, 5273, 5722, 5668, 5579, 5658, 5564, 5307, 5520, 5413, 5636, 5639, 5324, 5298, 5651, 5545, 5592, 5285, 5304, 5426 (8 hits)
6	9	1.0	333.0	Yes	5296.0MHz, -59.4dBm	5309, 5566, 5713, 5340, 5419, 5545, 5305, 5352, 5609, 5372, 5454, 5452, 5415, 5256, 5503, 5502, 5383, 5445, 5371, 5347, 5569, 5463, 5317, 5436, 5285, 5523, 5479, 5708, 5342, 5470, 5626, 5329, 5480, 5293, 5466, 5576, 5684, 5551, 5714, 5634, 5368, 5349, 5409, 5396, 5385, 5623, 5590, 5588, 5599, 5688, 5367, 5389, 5534, 5487, 5432, 5425, 5324, 5444, 5420, 5561, 5270, 5411, 5532, 5572, 5421, 5284, 5416, 5697, 5259, 5612, 5358, 5316, 5607, 5348, 5475, 5384, 5278, 5613, 5253, 5272, 5391, 5718, 5464, 5662, 5264, 5603, 5668, 5365, 5281, 5556, 5334, 5257, 5520, 5636, 5399, 5491, 5669, 5681, 5251, 5657 (3 hits)
7	9	1.0	333.0	Yes	5297.0MHz, -59.4dBm	5463, 5669, 5474, 5377, 5689, 5655, 5394, 5491, 5291, 5579, 5286, 5573, 5722, 5410, 5614, 5621, 5512, 5623, 5501, 5359, 5403, 5373, 5475, 5717, 5607, 5451, 5545, 5551, 5663, 5587, 5395, 5456, 5723, 5637, 5441, 5464, 5462, 5372, 5694, 5285,

						5481, 5471, 5281, 5674, 5328, 5721, 5400, 5678, 5673, 5278, 5324, 5342, 5321, 5524, 5657, 5487, 5387, 5385, 5492, 5609, 5615, 5644, 5681, 5633, 5537, 5354, 5588, 5389, 5255, 5340, 5338, 5652, 5473, 5690, 5606, 5559, 5561, 5518, 5617, 5446, 5348, 5306, 5457, 5307, 5639, 5647, 5641, 5484, 5531, 5576, 5398, 5261, 5353, 5636, 5392, 5506, 5327, 5402, 5330, 5499 (3 hits)
8	9	1.0	333.0	Yes	5298.0MHz, -59.4dBm	5662, 5531, 5514, 5440, 5616, 5599, 5275, 5321, 5717, 5424, 5551, 5689, 5347, 5608, 5258, 5709, 5521, 5377, 5622, 5544, 5381, 5587, 5687, 5473, 5305, 5417, 5659, 5449, 5404, 5554, 5493, 5427, 5270, 5650, 5593, 5289, 5323, 5298, 5535, 5436, 5721, 5615, 5312, 5265, 5364, 5345, 5617, 5412, 5569, 5310, 5520, 5553, 5303, 5627, 5596, 5685, 5561, 5340, 5320, 5474, 5447, 5458, 5509, 5254, 5372, 5625, 5278, 5403, 5614, 5431, 5257, 5640, 5620, 5704, 5283, 5699, 5480, 5671, 5438, 5635, 5636, 5645, 5407, 5512, 5335, 5583, 5315, 5396, 5591, 5475, 5333, 5559, 5631, 5681, 5719, 5688, 5528, 5380, 5698, 5697 (4 hits)
9	9	1.0	333.0	Yes	5299.0MHz, -59.4dBm	5722, 5617, 5424, 5640, 5646, 5441, 5362, 5304, 5255, 5502, 5607, 5420, 5477, 5698, 5587, 5588, 5619, 5518, 5267, 5593, 5712, 5672, 5507, 5701, 5330, 5402, 5261, 5493,

						5347, 5613, 5453, 5387, 5282, 5372, 5370, 5400, 5496, 5650, 5297, 5318, 5312, 5624, 5442, 5503, 5262, 5375, 5315, 5578, 5491, 5631, 5673, 5380, 5366, 5449, 5290, 5598, 5389, 5656, 5275, 5625, 5373, 5354, 5643, 5541, 5693, 5710, 5415, 5519, 5679, 5642, 5413, 5621, 5268, 5634, 5573, 5266, 5628, 5553, 5670, 5417, 5395, 5561, 5307, 5537, 5542, 5289, 5685, 5433, 5531, 5407, 5283, 5632, 5689, 5475, 5285, 5546, 5661, 5719, 5704, 5378 (4 hits)
10	9	1.0	333.0	Yes	5300.0MHz, -59.4dBm	5351, 5317, 5477, 5712, 5599, 5332, 5330, 5384, 5631, 5495, 5304, 5348, 5675, 5283, 5381, 5408, 5284, 5258, 5340, 5293, 5252, 5366, 5722, 5594, 5343, 5677, 5570, 5590, 5698, 5251, 5346, 5618, 5608, 5541, 5664, 5522, 5699, 5359, 5502, 5613, 5719, 5573, 5436, 5629, 5581, 5373, 5264, 5603, 5428, 5434, 5302, 5692, 5583, 5438, 5461, 5324, 5650, 5694, 5641, 5611, 5440, 5466, 5690, 5467, 5321, 5327, 5595, 5525, 5574, 5253, 5492, 5724, 5414, 5713, 5659, 5615, 5486, 5553, 5644, 5493, 5654, 5480, 5540, 5534, 5349, 5277, 5475, 5621, 5354, 5557, 5609, 5643, 5578, 5453, 5597, 5451, 5341, 5506, 5367, 5539 (3 hits)
11	9	1.0	333.0	Yes	5301.0MHz, -59.4dBm	5372, 5484, 5491, 5685, 5670, 5342, 5410, 5258, 5514, 5688, 5674, 5501, 5433, 5450, 5294, 5473,

						5498, 5569, 5628, 5324, 5699, 5599, 5270, 5559, 5538, 5444, 5441, 5596, 5617, 5616, 5587, 5352, 5666, 5477, 5348, 5393, 5706, 5703, 5493, 5278, 5321, 5478, 5334, 5540, 5431, 5274, 5281, 5408, 5366, 5361, 5396, 5629, 5297, 5659, 5490, 5710, 5335, 5426, 5673, 5700, 5489, 5327, 5671, 5517, 5665, 5475, 5627, 5556, 5326, 5600, 5678, 5505, 5651, 5640, 5637, 5322, 5590, 5436, 5544, 5712, 5530, 5287, 5572, 5654, 5346, 5649, 5602, 5536, 5447, 5500, 5355, 5391, 5487, 5368, 5328, 5470, 5356, 5492, 5508, 5456 (2 hits)
12	9	1.0	333.0	Yes	5302.0MHz, -59.4dBm	5437, 5615, 5633, 5466, 5692, 5278, 5257, 5677, 5322, 5521, 5321, 5474, 5702, 5265, 5391, 5654, 5673, 5426, 5562, 5722, 5346, 5335, 5648, 5494, 5458, 5489, 5422, 5287, 5452, 5538, 5311, 5685, 5285, 5584, 5581, 5327, 5569, 5609, 5355, 5381, 5338, 5409, 5360, 5671, 5657, 5318, 5379, 5649, 5612, 5535, 5490, 5723, 5268, 5641, 5697, 5303, 5592, 5646, 5487, 5499, 5332, 5506, 5406, 5434, 5618, 5364, 5565, 5493, 5291, 5470, 5578, 5405, 5387, 5563, 5627, 5357, 5270, 5709, 5292, 5345, 5603, 5701, 5443, 5566, 5496, 5662, 5501, 5266, 5438, 5271, 5333, 5485, 5561, 5449, 5536, 5305, 5488, 5398, 5644, 5331 (4 hits)
13	9	1.0	333.0	Yes	5303.0MHz,	5725, 5413, 5710, 5648,

					-59.4dBm	5723, 5573, 5694, 5381, 5659, 5418, 5575, 5571, 5407, 5297, 5441, 5592, 5406, 5382, 5440, 5676, 5372, 5499, 5468, 5438, 5569, 5712, 5397, 5274, 5587, 5275, 5290, 5417, 5364, 5568, 5272, 5339, 5255, 5334, 5398, 5434, 5716, 5638, 5516, 5384, 5657, 5595, 5655, 5535, 5610, 5500, 5599, 5538, 5605, 5633, 5632, 5526, 5446, 5333, 5267, 5502, 5681, 5518, 5555, 5404, 5486, 5345, 5478, 5378, 5628, 5505, 5613, 5436, 5303, 5470, 5467, 5412, 5698, 5460, 5724, 5314, 5576, 5553, 5252, 5479, 5661, 5543, 5532, 5365, 5585, 5428, 5687, 5621, 5678, 5702, 5542, 5426, 5471, 5589, 5601, 5679 (3 hits)
14	9	1.0	333.0	No	5304.0MHz, -59.4dBm	5403, 5561, 5474, 5271, 5452, 5381, 5533, 5314, 5572, 5434, 5252, 5658, 5527, 5520, 5651, 5274, 5269, 5661, 5464, 5415, 5653, 5636, 5684, 5344, 5580, 5288, 5597, 5540, 5648, 5707, 5449, 5606, 5382, 5483, 5668, 5710, 5465, 5277, 5595, 5714, 5657, 5622, 5312, 5666, 5276, 5423, 5688, 5369, 5342, 5591, 5497, 5665, 5351, 5477, 5284, 5551, 5725, 5333, 5479, 5371, 5588, 5486, 5443, 5679, 5577, 5701, 5440, 5349, 5407, 5616, 5565, 5282, 5678, 5481, 5405, 5573, 5660, 5414, 5662, 5300, 5385, 5625, 5511, 5320, 5608, 5453, 5522, 5296, 5711, 5687, 5541, 5537, 5641, 5722, 5366, 5360,

						5620, 5316, 5723, 5628 (2 hits)
15	9	1.0	333.0	Yes	5305.0MHz, -59.4dBm	5318, 5285, 5632, 5355, 5372, 5277, 5479, 5702, 5363, 5472, 5697, 5706, 5608, 5690, 5433, 5567, 5717, 5368, 5359, 5360, 5705, 5594, 5429, 5583, 5435, 5541, 5517, 5495, 5345, 5441, 5554, 5619, 5572, 5623, 5651, 5485, 5390, 5406, 5689, 5394, 5513, 5710, 5655, 5371, 5338, 5413, 5680, 5332, 5281, 5464, 5504, 5396, 5501, 5284, 5646, 5552, 5409, 5461, 5559, 5376, 5272, 5459, 5313, 5453, 5670, 5663, 5657, 5724, 5436, 5591, 5603, 5378, 5699, 5600, 5674, 5310, 5260, 5576, 5483, 5404, 5723, 5515, 5633, 5543, 5605, 5528, 5420, 5324, 5712, 5721, 5634, 5256, 5535, 5421, 5278, 5482, 5341, 5494, 5553, 5432 (1 hits)
16	9	1.0	333.0	Yes	5306.0MHz, -59.4dBm	5557, 5502, 5389, 5574, 5357, 5724, 5626, 5533, 5323, 5662, 5559, 5716, 5316, 5542, 5549, 5392, 5301, 5321, 5335, 5674, 5319, 5566, 5695, 5606, 5600, 5638, 5616, 5299, 5711, 5675, 5302, 5353, 5528, 5398, 5349, 5403, 5512, 5409, 5652, 5645, 5437, 5466, 5475, 5660, 5484, 5709, 5348, 5664, 5336, 5278, 5480, 5605, 5324, 5468, 5464, 5274, 5261, 5279, 5632, 5583, 5253, 5469, 5390, 5536, 5590, 5294, 5454, 5580, 5592, 5399, 5547, 5254, 5642, 5474, 5493, 5329, 5622, 5343, 5436, 5434, 5629, 5499, 5456, 5433,

						5312, 5658, 5325, 5449, 5404, 5564, 5540, 5656, 5421, 5485, 5496, 5286, 5352, 5371, 5717, 5516 (4 hits)
17	9	1.0	333.0	Yes	5307.0MHz, -59.4dBm	5447, 5433, 5723, 5366, 5365, 5590, 5369, 5682, 5320, 5653, 5690, 5312, 5375, 5404, 5390, 5548, 5496, 5388, 5654, 5303, 5642, 5378, 5566, 5389, 5605, 5543, 5276, 5461, 5436, 5629, 5608, 5351, 5684, 5524, 5385, 5606, 5538, 5438, 5386, 5313, 5489, 5667, 5445, 5696, 5485, 5446, 5720, 5459, 5395, 5251, 5482, 5399, 5306, 5451, 5565, 5669, 5721, 5391, 5517, 5495, 5330, 5724, 5490, 5256, 5362, 5506, 5349, 5291, 5323, 5392, 5265, 5376, 5425, 5646, 5346, 5430, 5344, 5519, 5544, 5564, 5531, 5267, 5632, 5558, 5557, 5382, 5718, 5347, 5619, 5618, 5294, 5317, 5288, 5342, 5711, 5301, 5725, 5652, 5503, 5304 (6 hits)
18	9	1.0	333.0	Yes	5308.0MHz, -59.4dBm	5605, 5555, 5591, 5647, 5306, 5283, 5557, 5698, 5714, 5482, 5350, 5516, 5599, 5357, 5443, 5655, 5295, 5710, 5682, 5257, 5360, 5330, 5415, 5271, 5643, 5281, 5489, 5364, 5693, 5597, 5280, 5683, 5382, 5558, 5552, 5604, 5619, 5467, 5456, 5646, 5378, 5705, 5665, 5303, 5700, 5405, 5697, 5288, 5535, 5444, 5464, 5433, 5584, 5645, 5463, 5265, 5685, 5258, 5251, 5341, 5274, 5494, 5313, 5309, 5534, 5533, 5398, 5472, 5391, 5425, 5316, 5574,

						5582, 5561, 5293, 5414, 5496, 5273, 5284, 5417, 5644, 5319, 5492, 5365, 5377, 5451, 5664, 5695, 5501, 5515, 5702, 5662, 5461, 5279, 5538, 5510, 5723, 5264, 5447, 5514 (5 hits)
19	9	1.0	333.0	Yes	5309.0MHz, -59.4dBm	5596, 5305, 5268, 5389, 5475, 5639, 5706, 5279, 5300, 5405, 5425, 5369, 5568, 5641, 5700, 5372, 5609, 5669, 5309, 5497, 5528, 5722, 5418, 5549, 5545, 5638, 5409, 5481, 5288, 5499, 5402, 5357, 5433, 5686, 5548, 5351, 5346, 5410, 5619, 5661, 5324, 5576, 5480, 5519, 5373, 5439, 5311, 5315, 5462, 5367, 5344, 5589, 5388, 5605, 5535, 5444, 5704, 5492, 5465, 5554, 5460, 5716, 5399, 5290, 5574, 5325, 5687, 5400, 5672, 5520, 5534, 5441, 5330, 5565, 5679, 5508, 5701, 5257, 5663, 5611, 5276, 5650, 5326, 5659, 5531, 5397, 5724, 5652, 5272, 5636, 5600, 5428, 5651, 5507, 5547, 5510, 5297, 5564, 5393, 5262 (5 hits)
20	9	1.0	333.0	Yes	5310.0MHz, -59.4dBm	5398, 5361, 5712, 5321, 5341, 5542, 5411, 5329, 5455, 5269, 5682, 5563, 5660, 5459, 5700, 5254, 5611, 5504, 5419, 5671, 5431, 5499, 5575, 5295, 5386, 5635, 5686, 5474, 5687, 5357, 5337, 5437, 5270, 5396, 5574, 5507, 5263, 5393, 5604, 5721, 5264, 5482, 5722, 5334, 5612, 5697, 5633, 5298, 5706, 5347, 5547, 5382, 5529, 5480, 5317, 5413, 5425, 5570, 5565, 5494,

						5625, 5421, 5718, 5549, 5678, 5297, 5614, 5355, 5627, 5699, 5319, 5442, 5558, 5285, 5443, 5331, 5402, 5272, 5405, 5352, 5304, 5259, 5696, 5462, 5588, 5531, 5449, 5428, 5262, 5533, 5424, 5489, 5436, 5307, 5379, 5326, 5684, 5600, 5501, 5631 (5 hits)
21	9	1.0	333.0	Yes	5290.0MHz, -59.4dBm	5419, 5638, 5511, 5485, 5438, 5647, 5432, 5709, 5406, 5377, 5634, 5506, 5331, 5501, 5265, 5364, 5600, 5513, 5439, 5476, 5287, 5576, 5599, 5490, 5641, 5627, 5707, 5517, 5470, 5719, 5570, 5407, 5671, 5395, 5567, 5415, 5435, 5496, 5340, 5569, 5486, 5684, 5276, 5586, 5341, 5317, 5533, 5643, 5659, 5307, 5618, 5345, 5272, 5418, 5701, 5417, 5474, 5473, 5639, 5253, 5677, 5274, 5292, 5693, 5612, 5580, 5545, 5499, 5427, 5531, 5310, 5379, 5509, 5702, 5398, 5652, 5717, 5662, 5529, 5713, 5255, 5264, 5705, 5510, 5304, 5344, 5589, 5328, 5349, 5269, 5280, 5431, 5488, 5360, 5421, 5669, 5326, 5301, 5614, 5718 (5 hits)
22	9	1.0	333.0	Yes	5291.0MHz, -59.4dBm	5580, 5522, 5370, 5267, 5323, 5625, 5666, 5587, 5586, 5465, 5497, 5331, 5451, 5665, 5633, 5615, 5688, 5628, 5450, 5518, 5367, 5306, 5453, 5329, 5594, 5678, 5663, 5399, 5438, 5499, 5519, 5418, 5448, 5617, 5469, 5314, 5401, 5709, 5376, 5629, 5676, 5650, 5369, 5524, 5624, 5616, 5719, 5514,

						5426, 5343, 5355, 5596, 5684, 5473, 5383, 5442, 5500, 5374, 5540, 5515, 5630, 5690, 5413, 5653, 5567, 5605, 5481, 5349, 5359, 5440, 5622, 5395, 5394, 5547, 5669, 5482, 5485, 5681, 5693, 5269, 5389, 5362, 5326, 5496, 5428, 5546, 5578, 5463, 5424, 5351, 5371, 5322, 5254, 5575, 5707, 5257, 5568, 5489, 5439, 5621 (1 hits)
23	9	1.0	333.0	Yes	5292.0MHz, -59.4dBm	5477, 5309, 5713, 5408, 5398, 5546, 5592, 5507, 5697, 5508, 5625, 5505, 5662, 5515, 5527, 5674, 5296, 5566, 5303, 5404, 5659, 5333, 5518, 5573, 5284, 5701, 5524, 5498, 5562, 5489, 5480, 5339, 5430, 5676, 5312, 5619, 5313, 5556, 5392, 5302, 5706, 5673, 5396, 5409, 5686, 5712, 5608, 5361, 5497, 5275, 5682, 5683, 5549, 5343, 5711, 5579, 5362, 5453, 5627, 5493, 5413, 5582, 5722, 5486, 5626, 5440, 5624, 5405, 5588, 5383, 5496, 5681, 5278, 5329, 5542, 5260, 5641, 5693, 5470, 5311, 5424, 5554, 5435, 5432, 5668, 5630, 5672, 5705, 5657, 5565, 5543, 5330, 5286, 5436, 5420, 5570, 5355, 5399, 5490, 5320 (4 hits)
24	9	1.0	333.0	Yes	5293.0MHz, -59.4dBm	5655, 5424, 5324, 5697, 5471, 5609, 5413, 5618, 5607, 5611, 5327, 5668, 5507, 5277, 5276, 5262, 5382, 5255, 5559, 5299, 5443, 5410, 5502, 5360, 5289, 5723, 5250, 5481, 5621, 5666, 5714, 5575, 5563, 5383, 5622, 5252,

						5665, 5318, 5518, 5449, 5651, 5678, 5359, 5717, 5509, 5512, 5703, 5500, 5377, 5436, 5337, 5473, 5411, 5538, 5350, 5429, 5296, 5537, 5445, 5483, 5623, 5706, 5407, 5406, 5421, 5354, 5578, 5545, 5399, 5562, 5281, 5561, 5650, 5465, 5620, 5535, 5541, 5325, 5271, 5265, 5610, 5680, 5367, 5516, 5280, 5519, 5644, 5469, 5257, 5369, 5426, 5379, 5573, 5431, 5647, 5604, 5400, 5711, 5533, 5456 (2 hits)
25	9	1.0	333.0	Yes	5294.0MHz, -59.4dBm	5296, 5508, 5633, 5331, 5635, 5494, 5414, 5422, 5678, 5449, 5577, 5456, 5513, 5614, 5478, 5527, 5476, 5695, 5429, 5325, 5358, 5453, 5430, 5519, 5685, 5284, 5540, 5334, 5283, 5382, 5301, 5450, 5295, 5672, 5384, 5550, 5696, 5725, 5720, 5655, 5496, 5662, 5345, 5435, 5590, 5471, 5347, 5648, 5262, 5561, 5532, 5716, 5649, 5409, 5602, 5318, 5259, 5330, 5546, 5705, 5352, 5544, 5694, 5646, 5266, 5505, 5356, 5503, 5391, 5355, 5386, 5531, 5679, 5473, 5441, 5322, 5260, 5350, 5699, 5346, 5254, 5659, 5624, 5360, 5307, 5523, 5270, 5628, 5276, 5305, 5451, 5434, 5701, 5564, 5338, 5712, 5418, 5597, 5529, 5267 (5 hits)
26	9	1.0	333.0	Yes	5295.0MHz, -59.4dBm	5723, 5285, 5329, 5334, 5636, 5660, 5694, 5544, 5264, 5301, 5525, 5521, 5297, 5543, 5302, 5670, 5315, 5571, 5472, 5527, 5318, 5458, 5483, 5651,

						5356, 5361, 5253, 5294, 5583, 5293, 5596, 5724, 5425, 5592, 5532, 5567, 5595, 5324, 5279, 5369, 5686, 5437, 5262, 5492, 5367, 5449, 5284, 5614, 5435, 5482, 5563, 5591, 5659, 5336, 5712, 5536, 5661, 5438, 5623, 5675, 5705, 5429, 5565, 5611, 5378, 5282, 5510, 5646, 5394, 5606, 5505, 5511, 5303, 5645, 5593, 5700, 5274, 5557, 5598, 5403, 5524, 5530, 5538, 5562, 5287, 5296, 5672, 5552, 5466, 5503, 5454, 5290, 5569, 5312, 5537, 5495, 5496, 5639, 5320, 5261 (8 hits)
27	9	1.0	333.0	Yes	5296.0MHz, -59.4dBm	5582, 5535, 5492, 5716, 5548, 5606, 5711, 5261, 5337, 5271, 5655, 5461, 5391, 5394, 5597, 5276, 5300, 5310, 5658, 5527, 5679, 5632, 5577, 5424, 5508, 5456, 5476, 5541, 5555, 5665, 5286, 5321, 5703, 5634, 5437, 5623, 5566, 5443, 5620, 5345, 5406, 5452, 5642, 5477, 5484, 5311, 5517, 5683, 5522, 5598, 5329, 5409, 5693, 5483, 5705, 5453, 5545, 5611, 5646, 5531, 5407, 5354, 5465, 5695, 5472, 5607, 5696, 5382, 5668, 5474, 5418, 5445, 5631, 5342, 5257, 5525, 5670, 5721, 5305, 5431, 5636, 5553, 5529, 5468, 5455, 5600, 5326, 5449, 5502, 5661, 5454, 5688, 5510, 5252, 5402, 5699, 5596, 5595, 5428, 5374 (3 hits)
28	9	1.0	333.0	Yes	5297.0MHz, -59.4dBm	5580, 5713, 5285, 5512, 5509, 5449, 5700, 5440, 5277, 5352, 5463, 5450,

						5530, 5442, 5721, 5445, 5551, 5489, 5542, 5373, 5616, 5520, 5665, 5438, 5490, 5461, 5301, 5369, 5557, 5704, 5681, 5265, 5679, 5444, 5381, 5607, 5270, 5405, 5545, 5313, 5341, 5358, 5256, 5388, 5712, 5488, 5333, 5510, 5403, 5389, 5609, 5466, 5415, 5601, 5426, 5386, 5299, 5619, 5330, 5395, 5293, 5690, 5659, 5553, 5683, 5548, 5586, 5384, 5587, 5355, 5359, 5686, 5499, 5391, 5722, 5314, 5600, 5254, 5432, 5495, 5636, 5514, 5467, 5710, 5620, 5319, 5536, 5598, 5691, 5506, 5595, 5304, 5334, 5481, 5347, 5547, 5477, 5305, 5317, 5596 (5 hits)
29	9	1.0	333.0	Yes	5298.0MHz, -59.4dBm	5603, 5399, 5458, 5490, 5322, 5572, 5420, 5564, 5311, 5544, 5348, 5690, 5375, 5282, 5334, 5381, 5370, 5466, 5560, 5528, 5330, 5513, 5258, 5349, 5636, 5323, 5455, 5668, 5271, 5708, 5526, 5545, 5502, 5536, 5294, 5331, 5671, 5706, 5465, 5682, 5402, 5289, 5614, 5627, 5255, 5693, 5598, 5440, 5442, 5251, 5293, 5412, 5421, 5396, 5662, 5495, 5316, 5723, 5539, 5619, 5576, 5644, 5624, 5361, 5371, 5685, 5475, 5482, 5336, 5546, 5306, 5633, 5424, 5713, 5286, 5470, 5405, 5497, 5493, 5369, 5698, 5366, 5312, 5692, 5479, 5694, 5557, 5489, 5518, 5705, 5588, 5683, 5443, 5563, 5672, 5641, 5461, 5474, 5301, 5459 (4 hits)

30	9	1.0	333.0	Yes	5299.0MHz, -59.4dBm	5291, 5285, 5685, 5317, 5709, 5416, 5578, 5621, 5514, 5668, 5388, 5456, 5256, 5674, 5680, 5360, 5440, 5443, 5624, 5551, 5423, 5438, 5412, 5577, 5354, 5315, 5342, 5349, 5692, 5598, 5542, 5509, 5318, 5695, 5490, 5617, 5264, 5254, 5699, 5258, 5550, 5521, 5479, 5367, 5383, 5615, 5638, 5455, 5645, 5693, 5532, 5657, 5589, 5422, 5605, 5679, 5510, 5501, 5294, 5338, 5434, 5300, 5517, 5523, 5595, 5604, 5329, 5504, 5547, 5305, 5538, 5436, 5390, 5476, 5403, 5659, 5377, 5470, 5593, 5379, 5385, 5272, 5697, 5400, 5295, 5396, 5678, 5468, 5701, 5298, 5445, 5480, 5313, 5713, 5683, 5714, 5283, 5525, 5555, 5441 (6 hits)
31	9	1.0	333.0	Yes	5300.0MHz, -59.4dBm	5417, 5688, 5406, 5540, 5518, 5589, 5716, 5497, 5333, 5599, 5718, 5552, 5722, 5256, 5484, 5489, 5380, 5530, 5670, 5694, 5253, 5708, 5562, 5408, 5538, 5548, 5272, 5683, 5654, 5467, 5323, 5624, 5447, 5669, 5411, 5424, 5576, 5283, 5465, 5477, 5259, 5480, 5492, 5386, 5702, 5571, 5292, 5325, 5330, 5281, 5362, 5410, 5643, 5527, 5699, 5448, 5720, 5701, 5592, 5651, 5340, 5370, 5416, 5610, 5614, 5536, 5625, 5572, 5473, 5531, 5706, 5393, 5711, 5495, 5474, 5312, 5296, 5642, 5267, 5268, 5664, 5455, 5658, 5583, 5291, 5279, 5346, 5401, 5294, 5269, 5648, 5463,

						5384, 5594, 5278, 5405, 5471, 5260, 5513, 5409 (4 hits)
32	9	1.0	333.0	Yes	5301.0MHz, -59.4dBm	5579, 5437, 5585, 5600, 5339, 5490, 5665, 5324, 5598, 5252, 5306, 5450, 5356, 5456, 5622, 5365, 5568, 5387, 5589, 5272, 5254, 5409, 5504, 5421, 5652, 5327, 5366, 5577, 5317, 5256, 5717, 5296, 5277, 5673, 5587, 5414, 5702, 5699, 5519, 5301, 5522, 5322, 5507, 5329, 5518, 5499, 5266, 5386, 5687, 5484, 5626, 5594, 5711, 5506, 5643, 5468, 5671, 5255, 5630, 5705, 5574, 5657, 5407, 5523, 5724, 5307, 5621, 5590, 5640, 5693, 5383, 5391, 5617, 5614, 5276, 5441, 5511, 5526, 5508, 5707, 5311, 5263, 5379, 5488, 5401, 5489, 5584, 5264, 5708, 5461, 5514, 5305, 5633, 5313, 5521, 5609, 5447, 5660, 5716, 5417 (5 hits)
33	9	1.0	333.0	Yes	5302.0MHz, -59.4dBm	5475, 5458, 5710, 5347, 5480, 5708, 5451, 5554, 5441, 5575, 5416, 5278, 5343, 5507, 5530, 5338, 5393, 5515, 5394, 5306, 5415, 5273, 5314, 5632, 5400, 5535, 5589, 5601, 5372, 5494, 5623, 5703, 5318, 5670, 5572, 5300, 5476, 5611, 5407, 5596, 5492, 5605, 5675, 5661, 5539, 5432, 5563, 5348, 5631, 5687, 5642, 5567, 5604, 5695, 5326, 5556, 5489, 5420, 5363, 5455, 5502, 5474, 5505, 5538, 5707, 5640, 5389, 5277, 5483, 5559, 5435, 5367, 5417, 5718, 5714, 5438, 5371, 5284, 5366, 5713,

						5614, 5331, 5447, 5431, 5520, 5579, 5557, 5340, 5468, 5313, 5368, 5456, 5285, 5307, 5276, 5466, 5546, 5618, 5450, 5681 (3 hits)
34	9	1.0	333.0	Yes	5303.0MHz, -59.4dBm	5407, 5260, 5636, 5584, 5567, 5457, 5468, 5337, 5683, 5317, 5288, 5490, 5296, 5589, 5591, 5342, 5626, 5377, 5612, 5592, 5581, 5588, 5431, 5501, 5280, 5701, 5340, 5301, 5484, 5587, 5383, 5697, 5693, 5586, 5313, 5487, 5662, 5256, 5379, 5394, 5310, 5514, 5264, 5486, 5688, 5721, 5435, 5413, 5539, 5271, 5386, 5284, 5439, 5720, 5563, 5593, 5590, 5410, 5464, 5445, 5478, 5595, 5699, 5360, 5498, 5380, 5538, 5387, 5713, 5415, 5635, 5325, 5500, 5421, 5695, 5480, 5669, 5475, 5600, 5433, 5455, 5483, 5287, 5631, 5619, 5598, 5577, 5482, 5722, 5678, 5273, 5497, 5644, 5440, 5546, 5523, 5574, 5259, 5255, 5399 (3 hits)
35	9	1.0	333.0	Yes	5304.0MHz, -59.4dBm	5324, 5625, 5423, 5697, 5355, 5449, 5687, 5604, 5421, 5651, 5276, 5611, 5420, 5634, 5677, 5569, 5345, 5688, 5646, 5379, 5412, 5413, 5529, 5655, 5257, 5250, 5698, 5398, 5251, 5458, 5418, 5599, 5598, 5551, 5628, 5390, 5403, 5648, 5337, 5621, 5396, 5491, 5316, 5452, 5577, 5395, 5502, 5608, 5393, 5521, 5534, 5717, 5480, 5670, 5353, 5702, 5653, 5430, 5434, 5440, 5259, 5567, 5522, 5424, 5497, 5546, 5635, 5649,

						5595, 5344, 5614, 5559, 5607, 5399, 5669, 5724, 5475, 5339, 5672, 5277, 5605, 5312, 5266, 5378, 5350, 5470, 5373, 5498, 5601, 5533, 5389, 5588, 5342, 5510, 5686, 5416, 5705, 5273, 5513, 5300 (1 hits)
36	9	1.0	333.0	Yes	5305.0MHz, -59.4dBm	5536, 5506, 5369, 5352, 5672, 5402, 5503, 5688, 5272, 5350, 5393, 5655, 5715, 5320, 5604, 5461, 5569, 5418, 5326, 5700, 5652, 5563, 5565, 5409, 5685, 5650, 5281, 5398, 5408, 5312, 5709, 5613, 5621, 5606, 5313, 5330, 5422, 5424, 5713, 5377, 5634, 5660, 5423, 5562, 5669, 5256, 5271, 5623, 5682, 5335, 5311, 5484, 5467, 5286, 5502, 5462, 5592, 5545, 5260, 5351, 5353, 5392, 5534, 5681, 5608, 5720, 5600, 5325, 5671, 5300, 5432, 5429, 5538, 5525, 5302, 5513, 5494, 5289, 5603, 5476, 5601, 5337, 5692, 5401, 5448, 5615, 5299, 5357, 5354, 5526, 5610, 5628, 5307, 5510, 5276, 5595, 5397, 5515, 5649, 5449 (4 hits)
37	9	1.0	333.0	Yes	5306.0MHz, -59.4dBm	5616, 5502, 5650, 5336, 5641, 5628, 5264, 5518, 5684, 5531, 5499, 5673, 5717, 5449, 5635, 5651, 5268, 5613, 5591, 5632, 5506, 5694, 5487, 5680, 5261, 5389, 5369, 5354, 5690, 5459, 5460, 5542, 5593, 5342, 5544, 5533, 5537, 5656, 5516, 5492, 5709, 5299, 5329, 5505, 5448, 5291, 5344, 5530, 5421, 5689, 5722, 5300, 5480, 5605, 5275, 5655,

						5380, 5468, 5328, 5401, 5627, 5662, 5451, 5564, 5575, 5636, 5646, 5693, 5330, 5579, 5691, 5490, 5426, 5405, 5724, 5671, 5266, 5465, 5340, 5332, 5663, 5583, 5383, 5305, 5394, 5464, 5621, 5697, 5445, 5256, 5550, 5349, 5338, 5438, 5285, 5675, 5370, 5720, 5297, 5287 (5 hits)
38	9	1.0	333.0	Yes	5307.0MHz, -59.4dBm	5574, 5314, 5456, 5619, 5413, 5312, 5666, 5578, 5648, 5701, 5419, 5519, 5334, 5725, 5697, 5380, 5284, 5677, 5273, 5720, 5408, 5451, 5280, 5565, 5310, 5385, 5663, 5537, 5410, 5292, 5558, 5436, 5316, 5614, 5507, 5329, 5423, 5277, 5305, 5440, 5279, 5309, 5621, 5258, 5286, 5559, 5453, 5541, 5595, 5489, 5476, 5295, 5699, 5528, 5468, 5291, 5580, 5594, 5393, 5589, 5374, 5365, 5708, 5395, 5396, 5252, 5716, 5281, 5442, 5439, 5304, 5643, 5530, 5430, 5715, 5556, 5606, 5689, 5400, 5483, 5330, 5672, 5512, 5352, 5270, 5609, 5265, 5612, 5639, 5320, 5510, 5480, 5401, 5634, 5369, 5392, 5293, 5388, 5686, 5585 (8 hits)
39	9	1.0	333.0	Yes	5308.0MHz, -59.4dBm	5329, 5304, 5313, 5698, 5279, 5380, 5578, 5333, 5635, 5475, 5672, 5566, 5490, 5319, 5267, 5459, 5713, 5725, 5522, 5724, 5694, 5339, 5259, 5497, 5705, 5574, 5492, 5679, 5648, 5442, 5407, 5481, 5636, 5608, 5269, 5557, 5403, 5344, 5518, 5360, 5438, 5507, 5699, 5352,

						5253, 5696, 5569, 5619, 5702, 5306, 5343, 5445, 5342, 5464, 5471, 5420, 5263, 5434, 5527, 5495, 5688, 5332, 5323, 5596, 5426, 5484, 5447, 5644, 5424, 5603, 5685, 5538, 5683, 5299, 5262, 5472, 5520, 5631, 5374, 5629, 5576, 5414, 5716, 5534, 5384, 5540, 5317, 5708, 5722, 5268, 5468, 5291, 5398, 5336, 5711, 5623, 5371, 5428, 5427, 5583 (4 hits)
40	9	1.0	333.0	Yes	5309.0MHz, -59.4dBm	5693, 5589, 5620, 5647, 5373, 5347, 5452, 5671, 5651, 5396, 5468, 5524, 5414, 5549, 5506, 5674, 5609, 5613, 5439, 5286, 5284, 5403, 5360, 5256, 5384, 5570, 5587, 5548, 5479, 5334, 5682, 5724, 5460, 5336, 5488, 5550, 5628, 5481, 5456, 5279, 5520, 5328, 5482, 5480, 5453, 5523, 5645, 5395, 5575, 5389, 5483, 5473, 5302, 5474, 5619, 5289, 5271, 5633, 5497, 5566, 5402, 5616, 5350, 5530, 5308, 5338, 5478, 5528, 5516, 5648, 5593, 5527, 5400, 5462, 5640, 5602, 5438, 5688, 5618, 5469, 5367, 5363, 5538, 5665, 5273, 5420, 5611, 5621, 5521, 5417, 5623, 5564, 5707, 5388, 5364, 5525, 5431, 5607, 5495, 5706 (2 hits)
41	9	1.0	333.0	Yes	5310.0MHz, -59.4dBm	5276, 5667, 5645, 5651, 5608, 5414, 5355, 5462, 5359, 5447, 5635, 5683, 5311, 5416, 5265, 5509, 5611, 5307, 5620, 5505, 5290, 5471, 5627, 5580, 5360, 5384, 5467, 5397, 5330, 5428, 5570, 5455,

					5591, 5647, 5405, 5723, 5373, 5259, 5602, 5331, 5438, 5332, 5684, 5721, 5390, 5707, 5539, 5492, 5653, 5309, 5451, 5563, 5553, 5520, 5673, 5633, 5349, 5424, 5258, 5283, 5393, 5666, 5469, 5394, 5689, 5708, 5493, 5632, 5396, 5510, 5476, 5639, 5275, 5530, 5548, 5561, 5435, 5587, 5407, 5551, 5710, 5717, 5550, 5366, 5303, 5719, 5338, 5312, 5254, 5565, 5368, 5682, 5536, 5516, 5669, 5401, 5501, 5324, 5484, 5660 (4 hits)
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Table 39 FCC frequency hopping radar (Type 6) Test Results

Table 40 - Summary of All Results 40MHz Bandwidth

Waveform Name	Success Rate	Number of Trials
FCC Short Pulse Radar (Type 1)	80.0 %	30
FCC Short Pulse Radar (Type 2)	83.3 %	30
FCC Short Pulse Radar (Type 3)	73.3 %	30
FCC Short Pulse Radar (Type 4)	86.7 %	30
Long Sequence	86.7 %	30
FCC frequency hopping radar (Type 6)	100.0 %	44

Table 41 - FCC Short Pulse Radar (Type 1) Test Results

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected?	Fr (MHz) and level (dBm)	Hop seq.
0	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
1	18	1.0	1428.0	No	5270.0MHz, -59.4dBm	N/A
2	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
3	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
4	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
5	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
6	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
7	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
8	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
9	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
10	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
11	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
12	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
13	18	1.0	1428.0	No	5270.0MHz, -59.4dBm	N/A
14	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
15	18	1.0	1428.0	No	5270.0MHz, -59.4dBm	N/A
16	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
17	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
18	18	1.0	1428.0	No	5270.0MHz, -59.4dBm	N/A
19	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A

20	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
21	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
22	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
23	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
24	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
25	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
26	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
27	18	1.0	1428.0	Yes	5270.0MHz, -59.4dBm	N/A
28	18	1.0	1428.0	No	5270.0MHz, -59.4dBm	N/A
29	18	1.0	1428.0	No	5270.0MHz, -59.4dBm	N/A

Table 42 - FCC Short Pulse Radar (Type 2) Test Results

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected?	Fr (MHz) and level (dBm)	Hop seq.
0	28	2.3	201.0	Yes	5270.0MHz, -59.4dBm	N/A
1	28	4.4	227.0	Yes	5270.0MHz, -59.4dBm	N/A
2	28	4.9	167.0	No	5270.0MHz, -59.4dBm	N/A
3	28	1.9	158.0	Yes	5270.0MHz, -59.4dBm	N/A
4	26	2.8	222.0	Yes	5270.0MHz, -59.4dBm	N/A
5	24	1.5	177.0	Yes	5270.0MHz, -59.4dBm	N/A
6	28	2.7	168.0	Yes	5270.0MHz, -59.4dBm	N/A
7	24	4.6	161.0	Yes	5270.0MHz, -59.4dBm	N/A
8	24	4.8	176.0	No	5270.0MHz, -59.4dBm	N/A
9	26	4.5	186.0	Yes	5270.0MHz, -59.4dBm	N/A
10	23	1.5	153.0	Yes	5270.0MHz, -59.4dBm	N/A
11	28	4.1	174.0	No	5270.0MHz, -59.4dBm	N/A
12	28	3.3	158.0	Yes	5270.0MHz, -59.4dBm	N/A
13	28	2.9	171.0	Yes	5270.0MHz, -59.4dBm	N/A
14	26	3.7	206.0	Yes	5270.0MHz, -59.4dBm	N/A
15	23	3.7	226.0	Yes	5270.0MHz, -59.4dBm	N/A

16	25	3.8	159.0	Yes	5270.0MHz, -59.4dBm	N/A
17	24	3.5	203.0	Yes	5270.0MHz, -59.4dBm	N/A
18	23	4.3	168.0	No	5270.0MHz, -59.4dBm	N/A
19	27	3.4	183.0	Yes	5270.0MHz, -59.4dBm	N/A
20	27	4.5	173.0	Yes	5270.0MHz, -59.4dBm	N/A
21	26	1.9	222.0	Yes	5270.0MHz, -59.4dBm	N/A
22	23	4.5	181.0	Yes	5270.0MHz, -59.4dBm	N/A
23	24	1.6	186.0	Yes	5270.0MHz, -59.4dBm	N/A
24	28	2.8	174.0	Yes	5270.0MHz, -59.4dBm	N/A
25	25	4.0	206.0	Yes	5270.0MHz, -59.4dBm	N/A
26	24	4.3	163.0	Yes	5270.0MHz, -59.4dBm	N/A
27	27	1.0	169.0	Yes	5270.0MHz, -59.4dBm	N/A
28	24	4.8	199.0	Yes	5270.0MHz, -59.4dBm	N/A
29	23	2.4	199.0	No	5270.0MHz, -59.4dBm	N/A

Table 43 - FCC Short Pulse Radar (Type 3) Test Results

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected?	Fr (MHz) and level (dBm)	Hop seq.
0	17	9.6	459.0	Yes	5270.0MHz, -59.4dBm	N/A
1	18	9.0	494.0	Yes	5270.0MHz, -59.4dBm	N/A
2	17	7.4	316.0	Yes	5270.0MHz, -59.4dBm	N/A
3	18	7.5	450.0	Yes	5270.0MHz, -59.4dBm	N/A
4	16	7.7	257.0	Yes	5270.0MHz, -59.4dBm	N/A
5	17	8.7	482.0	Yes	5270.0MHz, -59.4dBm	N/A
6	16	7.9	316.0	Yes	5270.0MHz, -59.4dBm	N/A
7	16	6.9	290.0	Yes	5270.0MHz, -59.4dBm	N/A
8	16	6.5	381.0	No	5270.0MHz, -59.4dBm	N/A
9	18	9.9	381.0	No	5270.0MHz, -59.4dBm	N/A
10	17	8.7	420.0	Yes	5270.0MHz, -59.4dBm	N/A

11	18	8.1	311.0	Yes	5270.0MHz, -59.4dBm	N/A
12	17	6.9	343.0	Yes	5270.0MHz, -59.4dBm	N/A
13	17	7.4	257.0	Yes	5270.0MHz, -59.4dBm	N/A
14	16	7.3	485.0	Yes	5270.0MHz, -59.4dBm	N/A
15	17	6.8	277.0	Yes	5270.0MHz, -59.4dBm	N/A
16	16	8.0	441.0	No	5270.0MHz, -59.4dBm	N/A
17	17	9.2	371.0	No	5270.0MHz, -59.4dBm	N/A
18	16	7.2	329.0	No	5270.0MHz, -59.4dBm	N/A
19	17	7.2	219.0	Yes	5270.0MHz, -59.4dBm	N/A
20	17	8.8	344.0	Yes	5270.0MHz, -59.4dBm	N/A
21	18	8.6	461.0	No	5270.0MHz, -59.4dBm	N/A
22	18	7.6	328.0	No	5270.0MHz, -59.4dBm	N/A
23	17	9.3	223.0	Yes	5270.0MHz, -59.4dBm	N/A
24	16	8.2	329.0	Yes	5270.0MHz, -59.4dBm	N/A
25	18	7.9	315.0	No	5270.0MHz, -59.4dBm	N/A
26	18	7.9	215.0	Yes	5270.0MHz, -59.4dBm	N/A
27	17	7.9	312.0	Yes	5270.0MHz, -59.4dBm	N/A
28	17	6.6	261.0	Yes	5270.0MHz, -59.4dBm	N/A
29	17	6.7	246.0	Yes	5270.0MHz, -59.4dBm	N/A

Table 44 - FCC Short Pulse Radar (Type 4) Test Results

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected?	Fr (MHz) and level (dBm)	Hop seq.
0	14	19.1	360.0	No	5270.0MHz, -59.4dBm	N/A
1	14	12.3	218.0	Yes	5270.0MHz, -59.4dBm	N/A
2	12	15.9	313.0	Yes	5270.0MHz, -59.4dBm	N/A
3	13	17.2	317.0	Yes	5270.0MHz, -59.4dBm	N/A
4	14	13.1	475.0	Yes	5270.0MHz, -59.4dBm	N/A
5	16	11.4	496.0	Yes	5270.0MHz, -59.4dBm	N/A
6	15	13.3	236.0	Yes	5270.0MHz, -59.4dBm	N/A

7	14	12.6	277.0	Yes	5270.0MHz, -59.4dBm	N/A
8	13	15.5	289.0	No	5270.0MHz, -59.4dBm	N/A
9	13	16.4	209.0	Yes	5270.0MHz, -59.4dBm	N/A
10	13	17.4	311.0	Yes	5270.0MHz, -59.4dBm	N/A
11	16	14.7	234.0	Yes	5270.0MHz, -59.4dBm	N/A
12	15	18.1	407.0	Yes	5270.0MHz, -59.4dBm	N/A
13	13	16.1	395.0	Yes	5270.0MHz, -59.4dBm	N/A
14	12	16.9	438.0	Yes	5270.0MHz, -59.4dBm	N/A
15	13	19.4	290.0	Yes	5270.0MHz, -59.4dBm	N/A
16	12	19.5	315.0	No	5270.0MHz, -59.4dBm	N/A
17	15	16.3	326.0	Yes	5270.0MHz, -59.4dBm	N/A
18	16	11.6	471.0	Yes	5270.0MHz, -59.4dBm	N/A
19	14	12.0	258.0	Yes	5270.0MHz, -59.4dBm	N/A
20	15	15.3	275.0	Yes	5270.0MHz, -59.4dBm	N/A
21	13	18.9	305.0	Yes	5270.0MHz, -59.4dBm	N/A
22	16	12.9	412.0	Yes	5270.0MHz, -59.4dBm	N/A
23	13	12.4	424.0	Yes	5270.0MHz, -59.4dBm	N/A
24	14	13.5	498.0	Yes	5270.0MHz, -59.4dBm	N/A
25	15	14.6	306.0	Yes	5270.0MHz, -59.4dBm	N/A
26	15	16.4	276.0	Yes	5270.0MHz, -59.4dBm	N/A
27	12	14.5	226.0	Yes	5270.0MHz, -59.4dBm	N/A
28	13	18.8	346.0	No	5270.0MHz, -59.4dBm	N/A
29	15	18.8	444.0	Yes	5270.0MHz, -59.4dBm	N/A

Table 45 - Long Sequence Waveform Summary

Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5270.0MHz, -59.4dBm
Trial #2	Detected	5270.0MHz, -59.4dBm
Trial #3	NOT Detected	5270.0MHz, -59.4dBm
Trial #4	Detected	5270.0MHz, -59.4dBm
Trial #5	Detected	5270.0MHz, -59.4dBm
Trial #6	Detected	5270.0MHz, -59.4dBm
Trial #7	NOT Detected	5270.0MHz, -59.4dBm
Trial #8	Detected	5270.0MHz, -59.4dBm
Trial #9	Detected	5270.0MHz, -59.4dBm
Trial #10	Detected	5270.0MHz, -59.4dBm
Trial #11	Detected	5270.0MHz, -59.4dBm
Trial #12	Detected	5270.0MHz, -59.4dBm
Trial #13	Detected	5270.0MHz, -59.4dBm
Trial #14	Detected	5270.0MHz, -59.4dBm
Trial #15	Detected	5270.0MHz, -59.4dBm
Trial #16	Detected	5270.0MHz, -59.4dBm
Trial #17	Detected	5270.0MHz, -59.4dBm
Trial #18	Detected	5270.0MHz, -59.4dBm
Trial #19	NOT Detected	5270.0MHz, -59.4dBm
Trial #20	Detected	5270.0MHz, -59.4dBm
Trial #21	Detected	5270.0MHz, -59.4dBm
Trial #22	Detected	5270.0MHz, -59.4dBm
Trial #23	Detected	5270.0MHz, -59.4dBm
Trial #24	Detected	5270.0MHz, -59.4dBm
Trial #25	Detected	5270.0MHz, -59.4dBm
Trial #26	Detected	5270.0MHz, -59.4dBm
Trial #27	Detected	5270.0MHz, -59.4dBm

Trial #28	Detected	5270.0MHz, -59.4dBm
Trial #29	NOT Detected	5270.0MHz, -59.4dBm
Trial #30	Detected	5270.0MHz, -59.4dBm

Table 46 - Long Sequence Waveform Trial#1 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	73.3	18	1961.0	-	0.541972
1	2	62.5	15	1633.0	-	2.371663
2	2	81.1	8	1786.0	-	3.553488
3	2	54.1	14	1522.0	-	4.720256
4	2	89.7	6	1293.0	-	6.828809
5	1	57.9	20	-	-	8.700501
6	2	81.1	18	1638.0	-	9.988281
7	1	88.2	10	-	-	11.457345

Table 47 - Long Sequence Waveform Trial#2 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	76.0	14	1548.0	-	0.350242
1	3	51.0	9	1407.0	1207.0	1.042301
2	2	91.4	14	1797.0	-	2.061980
3	2	71.6	18	1376.0	-	2.852801
4	2	88.6	16	1826.0	-	4.102053
5	2	59.1	19	1077.0	-	4.701496
6	1	74.6	14	-	-	5.536264
7	3	58.2	13	1598.0	1152.0	6.706069
8	2	52.5	12	1144.0	-	7.341865
9	2	54.8	11	1689.0	-	8.232542
10	1	89.6	17	-	-	8.838031
11	2	78.7	18	1922.0	-	10.215940
12	1	94.9	18	-	-	10.782969
13	2	65.1	18	1611.0	-	11.594067

Table 48 - Long Sequence Waveform Trial#3 (NOT Detected **)**

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	93.5	7	1540.0	1062.0	0.095649
1	1	60.8	17	-	-	2.123627
2	2	91.0	8	1382.0	-	4.021784
3	3	74.9	9	1989.0	1147.0	5.349167
4	1	83.1	7	-	-	6.630926
5	1	90.7	13	-	-	8.138653
6	1	68.0	12	-	-	9.559368
7	1	61.2	12	-	-	10.914977

Table 49 - Long Sequence Waveform Trial#4 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	61.9	17	1740.0	-	0.624191
1	2	91.4	19	1325.0	-	1.017213
2	2	92.9	16	1863.0	-	1.821219
3	1	90.7	10	-	-	3.160076
4	2	95.2	8	1437.0	-	3.958377
5	1	62.5	17	-	-	4.284662
6	1	92.6	10	-	-	5.432074
7	3	53.6	11	1392.0	1394.0	6.038688
8	3	72.4	18	1385.0	1628.0	6.832909
9	1	96.7	7	-	-	7.936114
10	2	78.8	12	1773.0	-	8.026482
11	3	78.8	17	1860.0	1358.0	8.801837
12	2	84.2	8	1825.0	-	9.640886
13	3	98.5	8	1557.0	1483.0	10.960177
14	2	50.5	6	1710.0	-	11.773320

Table 50 - Long Sequence Waveform Trial#5 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	73.1	9	1045.0	-	0.192080
1	1	89.7	16	-	-	1.301148
2	2	75.8	16	1518.0	-	2.204104
3	2	58.9	15	1234.0	-	2.400535
4	1	79.3	15	-	-	3.679211
5	2	63.4	15	1688.0	-	4.312119
6	2	81.0	10	1936.0	-	5.504192
7	2	96.7	16	1856.0	-	6.366745
8	1	57.8	12	-	-	6.737875
9	2	80.2	15	1295.0	-	7.309902
10	2	90.3	14	1854.0	-	8.480572
11	1	96.9	11	-	-	9.265003
12	3	61.5	19	1991.0	1782.0	9.778220
13	1	78.3	20	-	-	10.646665
14	2	70.4	18	1880.0	-	11.364373

Table 51 - Long Sequence Waveform Trial#6 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	68.5	15	1809.0	-	0.795954
1	1	59.1	9	-	-	1.174929
2	3	88.5	8	1650.0	1365.0	2.222084
3	2	93.9	17	1319.0	-	3.747437
4	3	55.4	7	1002.0	1800.0	4.232429
5	2	63.7	8	1637.0	-	5.506554
6	3	82.0	7	1021.0	1573.0	6.790809
7	1	97.7	15	-	-	7.511134
8	2	75.1	6	1526.0	-	8.090894
9	3	57.2	10	1045.0	1001.0	9.324913
10	1	89.5	14	-	-	10.654155
11	2	61.4	12	1527.0	-	11.989515

Table 52 - Long Sequence Waveform Trial#7 (NOT Detected **)**

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	91.1	12	1764.0	-	0.266784
1	2	81.1	11	1736.0	-	1.181033
2	1	75.2	6	-	-	2.407764
3	2	94.9	19	1445.0	-	3.330073
4	2	61.8	17	1513.0	-	3.921999
5	2	62.6	12	1274.0	-	5.033824
6	3	60.2	20	1697.0	1263.0	6.329705
7	3	84.1	13	1720.0	1296.0	6.929750
8	1	57.5	18	-	-	8.231416
9	2	51.4	17	1451.0	-	8.705285
10	2	66.9	15	1621.0	-	10.021927
11	1	51.4	13	-	-	10.558818
12	2	63.2	12	1308.0	-	11.116610

Table 53 - Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	67.5	17	1853.0	-	0.191154
1	2	78.7	7	1722.0	-	0.824090
2	2	54.5	8	1206.0	-	1.994002
3	1	50.5	6	-	-	2.956494
4	2	92.3	12	1408.0	-	3.126463
5	2	78.8	18	1949.0	-	3.926323
6	1	59.0	17	-	-	4.726739
7	2	53.3	7	1501.0	-	5.781745
8	2	84.6	17	1563.0	-	6.327025
9	2	88.0	7	1666.0	-	7.257888
10	1	70.9	17	-	-	7.874733
11	2	51.9	17	1837.0	-	8.444284
12	3	56.3	17	1726.0	1408.0	9.238507
13	1	89.3	16	-	-	10.301832
14	3	99.5	19	1288.0	1668.0	10.659823
15	1	71.0	19	-	-	11.462917

Table 54 - Long Sequence Waveform Trial#9 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	72.8	10	1253.0	-	0.559871
1	1	78.0	6	-	-	0.872362
2	1	93.8	11	-	-	2.213346
3	3	61.9	12	1249.0	1569.0	2.938643
4	3	79.8	14	1546.0	1991.0	3.975717
5	1	80.3	9	-	-	5.018862
6	2	65.3	11	1801.0	-	5.306743
7	3	93.2	12	1556.0	1566.0	6.840340
8	2	51.0	11	1177.0	-	7.575214
9	2	71.2	16	1273.0	-	7.829181
10	3	62.7	11	1250.0	1533.0	9.207647
11	2	82.3	9	1967.0	-	10.136002
12	1	63.1	16	-	-	10.920550
13	2	99.0	6	1307.0	-	11.384615

Table 55 - Long Sequence Waveform Trial#10 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	73.4	18	1625.0	-	0.826768
1	1	89.5	15	-	-	2.958536
2	3	87.7	19	1156.0	1407.0	4.179999
3	2	55.1	11	1368.0	-	4.750069
4	2	83.4	15	1933.0	-	6.299894
5	1	99.0	12	-	-	8.550330
6	3	55.1	19	1983.0	1333.0	9.435565
7	2	80.3	12	1524.0	-	10.965478

Table 56 - Long Sequence Waveform Trial#11 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	70.6	5	1618.0	-	0.606615
1	1	56.8	15	-	-	0.887327
2	2	86.2	11	1862.0	-	1.658942
3	1	63.6	6	-	-	2.198062
4	1	66.7	5	-	-	2.940943
5	1	65.8	7	-	-	3.600044
6	2	80.1	17	1007.0	-	4.737835
7	2	50.9	6	1239.0	-	5.390309
8	3	73.2	10	1823.0	1185.0	5.738607
9	1	94.6	14	-	-	6.688652
10	3	55.5	16	1197.0	1226.0	7.698468
11	1	95.5	17	-	-	7.808550
12	3	97.9	10	1842.0	1580.0	9.120445
13	2	91.6	17	1723.0	-	9.456737
14	2	53.0	14	1636.0	-	10.543710
15	1	61.9	17	-	-	11.126609
16	2	72.4	14	1898.0	-	11.987108

Table 57 - Long Sequence Waveform Trial#12 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	75.0	16	1012.0	-	0.142442
1	2	69.7	19	1490.0	-	1.767808
2	3	58.6	7	1399.0	1729.0	2.170622
3	2	60.2	17	1240.0	-	2.975866
4	3	98.1	20	1472.0	1847.0	4.358920
5	2	54.9	19	1686.0	-	5.132375
6	3	78.9	16	1865.0	1342.0	6.072160
7	2	68.6	15	1164.0	-	6.655135
8	2	60.2	15	1896.0	-	7.488355
9	1	77.0	10	-	-	8.713944
10	1	63.7	8	-	-	10.114840
11	1	91.4	9	-	-	10.825201
12	1	60.3	13	-	-	11.589107

Table 58 - Long Sequence Waveform Trial#13 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	66.6	19	-	-	0.412638
1	3	51.1	19	1331.0	1352.0	1.039143
2	1	98.1	18	-	-	2.157260
3	1	76.9	18	-	-	3.130821
4	3	70.0	7	1163.0	1300.0	3.401364
5	2	75.6	8	1591.0	-	4.585671
6	2	62.1	6	1567.0	-	5.238187
7	3	72.5	5	1878.0	1512.0	6.311148
8	3	87.9	7	1850.0	1248.0	6.708840
9	1	93.4	16	-	-	7.813126
10	3	79.4	6	1589.0	1857.0	8.442259
11	3	58.6	14	1091.0	1146.0	9.048526
12	2	55.0	11	1586.0	-	10.372872
13	1	90.4	9	-	-	11.102305
14	2	79.8	7	1690.0	-	11.272277

Table 59 - Long Sequence Waveform Trial#14 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	66.1	10	1875.0	-	0.930899
1	2	75.6	6	1620.0	-	1.822768
2	1	76.3	6	-	-	2.791714
3	3	94.5	10	1235.0	1057.0	4.208483
4	1	55.4	8	-	-	5.369310
5	3	63.4	9	1052.0	1258.0	6.352718
6	2	72.3	8	1540.0	-	7.318887
7	2	96.7	6	1824.0	-	8.579517
8	1	73.7	15	-	-	9.242148
9	3	75.4	6	1774.0	1803.0	10.251873
10	2	65.9	19	1711.0	-	11.765707

Table 60 - Long Sequence Waveform Trial#15 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	53.2	7	1400.0	-	0.400587
1	3	82.5	11	1566.0	1481.0	0.882674
2	1	50.9	19	-	-	1.980883
3	1	75.0	16	-	-	2.324662
4	2	82.7	12	1733.0	-	3.661288
5	3	86.8	13	1444.0	1247.0	3.868964
6	2	82.7	19	1560.0	-	5.229966
7	1	94.5	10	-	-	5.692106
8	2	57.5	10	1293.0	-	6.354600
9	1	85.2	19	-	-	7.030637
10	3	59.7	10	1623.0	1825.0	8.091525
11	3	98.6	16	1602.0	1275.0	8.955111
12	1	88.6	9	-	-	9.141889
13	2	94.3	15	1124.0	-	10.349177
14	2	91.7	20	1367.0	-	11.089953
15	1	94.8	13	-	-	11.899665

Table 61 - Long Sequence Waveform Trial#16 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	59.5	8	1949.0	-	0.453077
1	1	82.9	18	-	-	1.542774
2	2	68.3	7	1307.0	-	2.950817
3	3	94.0	14	1163.0	1740.0	3.208572
4	1	60.1	19	-	-	4.178474
5	2	82.5	12	1979.0	-	5.327133
6	2	75.4	13	1408.0	-	6.461908
7	2	94.4	6	1228.0	-	7.619536
8	3	71.7	8	1983.0	1179.0	8.304551
9	1	99.7	15	-	-	9.524606
10	2	99.7	6	1359.0	-	10.367318
11	2	73.9	13	1394.0	-	11.962240

Table 62 - Long Sequence Waveform Trial#17 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	86.0	12	1603.0	-	0.374971
1	3	78.5	9	1280.0	1719.0	0.985655
2	2	51.4	6	1472.0	-	1.634507
3	2	95.6	14	1229.0	-	2.705250
4	2	67.1	15	1935.0	-	3.405417
5	1	99.8	6	-	-	4.747733
6	1	92.1	17	-	-	4.904732
7	1	74.9	15	-	-	6.258787
8	1	61.5	13	-	-	6.487266
9	1	57.7	19	-	-	7.999279
10	3	80.7	18	1608.0	1004.0	8.384246
11	1	74.7	10	-	-	9.479792
12	2	99.4	11	1978.0	-	10.209538
13	2	77.4	16	1947.0	-	11.184566
14	1	57.7	16	-	-	11.900327

Table 63 - Long Sequence Waveform Trial#18 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	92.5	19	-	-	1.051211
1	1	70.0	9	-	-	2.383845
2	2	76.0	14	1537.0	-	3.015594
3	3	76.4	14	1034.0	1792.0	5.021538
4	3	62.7	18	1086.0	1039.0	6.305528
5	2	86.3	8	1610.0	-	7.004765
6	2	52.0	13	1069.0	-	8.487249
7	1	97.6	6	-	-	10.621026
8	2	90.2	20	1053.0	-	11.355189

Table 64 - Long Sequence Waveform Trial#19 (NOT Detected **)**

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	54.9	19	1211.0	-	0.264807
1	3	64.5	10	1805.0	1156.0	1.550861
2	1	88.0	18	-	-	2.523449
3	3	75.2	11	1181.0	1192.0	3.868940
4	2	66.8	12	1792.0	-	4.053557
5	1	79.8	14	-	-	5.780543
6	2	65.7	17	1367.0	-	6.107531
7	3	87.0	13	1539.0	1122.0	7.473483
8	3	87.4	15	1615.0	1644.0	8.231865
9	3	59.3	13	1584.0	1053.0	9.770690
10	1	74.9	18	-	-	10.332561
11	3	93.3	10	1665.0	1626.0	11.738605

Table 65 - Long Sequence Waveform Trial#20 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	96.5	8	1159.0	-	0.804667
1	2	69.9	13	1369.0	-	1.628701
2	2	89.9	6	1023.0	-	2.591367
3	2	63.0	20	1474.0	-	4.114736
4	1	76.8	7	-	-	5.050672
5	2	69.5	11	1563.0	-	6.498592
6	2	50.6	5	1763.0	-	7.048807
7	2	96.2	6	1628.0	-	7.844802
8	1	92.3	9	-	-	8.728588
9	1	64.9	13	-	-	10.526951
10	2	74.6	11	1197.0	-	11.393078

Table 66 - Long Sequence Waveform Trial#21 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	56.0	5	1072.0	-	0.422665
1	3	74.9	18	1668.0	1882.0	0.808968
2	2	76.1	19	1517.0	-	1.547064
3	1	99.4	16	-	-	2.497180
4	1	62.9	18	-	-	2.989045
5	3	58.8	11	1401.0	1940.0	3.277272
6	1	62.2	20	-	-	4.292332
7	2	60.3	11	1899.0	-	4.525040
8	2	63.7	7	1896.0	-	5.494910
9	2	96.8	9	1292.0	-	5.991889
10	2	72.4	11	1975.0	-	6.480458
11	3	90.7	10	1638.0	1815.0	7.517530
12	2	56.3	18	1564.0	-	8.068778
13	2	92.9	11	1164.0	-	8.314723
14	1	68.8	9	-	-	8.915867
15	2	52.6	18	1555.0	-	9.652292
16	3	84.2	13	1271.0	1381.0	10.679024
17	2	56.4	6	1472.0	-	11.237796
18	2	59.5	12	1014.0	-	11.839350

Table 67 - Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	87.2	15	-	-	0.229585
1	2	85.7	13	1530.0	-	1.691822
2	1	82.4	17	-	-	3.126171
3	2	51.0	16	1861.0	-	4.312347
4	2	58.7	13	1281.0	-	4.704655
5	2	51.1	20	1901.0	-	6.077722
6	3	86.9	17	1434.0	1470.0	6.807442
7	3	95.3	19	1440.0	1994.0	8.214688
8	1	82.8	13	-	-	9.107181
9	1	77.8	6	-	-	10.038699
10	2	61.9	9	1129.0	-	11.472204

Table 68 - Long Sequence Waveform Trial#23 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	70.6	7	1844.0	1540.0	0.821296
1	2	63.0	16	1004.0	-	1.806432
2	1	60.4	8	-	-	3.295276
3	2	60.2	11	1457.0	-	4.721723
4	2	78.3	6	1159.0	-	5.849964
5	2	86.5	19	1857.0	-	6.158291
6	2	80.0	17	1566.0	-	8.195250
7	2	78.7	13	1971.0	-	8.956088
8	2	98.9	17	1642.0	-	10.245643
9	2	75.4	15	1624.0	-	11.158148

Table 69 - Long Sequence Waveform Trial#24 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	96.0	18	1230.0	1120.0	0.997207
1	2	56.2	17	1656.0	-	1.722945
2	2	72.5	16	1861.0	-	3.370634
3	2	57.4	13	1223.0	-	4.819199
4	1	76.0	10	-	-	6.138225
5	2	58.2	11	1450.0	-	7.651341
6	2	58.3	15	1454.0	-	8.075780
7	2	61.7	9	1074.0	-	10.250503
8	3	54.7	17	1457.0	1109.0	11.644687

Table 70 - Long Sequence Waveform Trial#25 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	71.3	14	1005.0	-	0.076037
1	2	66.9	9	1614.0	-	1.287407
2	2	97.5	18	1053.0	-	2.318252
3	2	50.2	19	1235.0	-	3.700188
4	2	78.8	20	1122.0	-	4.571253
5	2	66.7	11	1105.0	-	5.939571
6	3	72.9	6	1408.0	1685.0	6.095667
7	2	84.3	15	1485.0	-	7.709857
8	1	61.1	6	-	-	8.918058
9	2	55.3	6	1480.0	-	9.576157
10	2	86.3	14	1554.0	-	10.790627
11	2	69.5	11	1016.0	-	11.780219

Table 71 - Long Sequence Waveform Trial#26 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	67.8	16	1034.0	-	0.489789
1	1	68.4	18	-	-	0.939514
2	3	82.8	19	1818.0	1781.0	1.985826
3	2	55.2	13	1365.0	-	2.493904
4	1	75.8	16	-	-	2.737982
5	2	72.4	18	1839.0	-	3.457715
6	1	55.6	19	-	-	4.354430
7	2	55.8	14	1648.0	-	5.220997
8	1	93.9	12	-	-	5.774610
9	2	95.1	10	1088.0	-	6.013644
10	2	94.8	8	1375.0	-	7.110743
11	2	96.4	7	1663.0	-	7.914890
12	2	91.0	7	1368.0	-	8.075854
13	2	91.0	19	1213.0	-	8.909054
14	2	57.3	5	1005.0	-	9.859159
15	3	94.6	15	1323.0	1274.0	10.485914
16	1	70.5	11	-	-	10.941696
17	2	90.1	9	1937.0	-	11.416949

Table 72 - Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	89.8	12	1705.0	-	0.283905
1	2	55.3	15	1998.0	-	0.747142
2	3	66.6	17	1185.0	1176.0	1.759198
3	3	69.9	13	1899.0	1893.0	2.100915
4	1	76.7	7	-	-	2.472451
5	2	84.9	6	1346.0	-	3.188285
6	1	90.7	16	-	-	4.073845
7	1	86.7	15	-	-	4.684888
8	2	59.5	18	1923.0	-	5.228075
9	3	89.4	9	1646.0	1799.0	5.939288
10	2	63.9	12	1563.0	-	6.360233
11	2	94.1	9	1881.0	-	7.049873
12	3	80.3	9	1186.0	1556.0	7.763062
13	3	99.6	10	1108.0	1182.0	8.215960
14	2	54.9	7	1492.0	-	8.948666
15	3	53.0	13	1033.0	1056.0	9.388960
16	2	88.4	15	1583.0	-	9.821137
17	2	51.5	14	1563.0	-	10.330993
18	2	59.5	16	1644.0	-	10.980205
19	2	88.8	19	1102.0	-	11.896921

Table 73 - Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	81.2	17	1345.0	-	0.939105
1	2	57.9	11	1566.0	-	2.097854
2	2	97.7	12	1038.0	-	2.992899
3	1	94.1	11	-	-	4.047666
4	1	91.3	14	-	-	4.604446
5	2	94.8	9	1818.0	-	6.001028
6	1	96.8	16	-	-	7.481655
7	2	85.5	19	1401.0	-	7.944490
8	2	69.0	17	1220.0	-	8.826643
9	2	75.4	15	1525.0	-	9.920309
10	3	64.0	7	1571.0	1326.0	11.471463

Table 74 - Long Sequence Waveform Trial#29 (NOT Detected **)**

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	69.0	11	1228.0	1788.0	0.682895
1	2	80.1	10	1256.0	-	1.926443
2	2	72.1	14	1881.0	-	2.875805
3	1	79.5	14	-	-	5.194455
4	1	61.1	10	-	-	6.173235
5	3	97.5	9	1177.0	1336.0	7.660303

Table 75 - FCC frequency hopping radar (Type 6) Test Results

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected?	Fr (MHz) and level (dBm)	Hop seq.
0	9	1.0	333.0	Yes	5248.0MHz, -59.4dBm	5252, 5604, 5425, 5308, 5588, 5554, 5281, 5573, 5395, 5689, 5578, 5385, 5375, 5448, 5674, 5582, 5266, 5617, 5452, 5651, 5594, 5464, 5522, 5457, 5345, 5366, 5494, 5477, 5462, 5615, 5303, 5466, 5337, 5443, 5691, 5409, 5611, 5493, 5629, 5521, 5335, 5291, 5704, 5442, 5707, 5413, 5422, 5305, 5536, 5428, 5289, 5592, 5719, 5295, 5545, 5267, 5459, 5657, 5417, 5359, 5593, 5358, 5688, 5627, 5566, 5639, 5293, 5509, 5505, 5650, 5613, 5273, 5387, 5383, 5555, 5583, 5348, 5326, 5340, 5687, 5407, 5440, 5681, 5302, 5380, 5377, 5279, 5529, 5648, 5382, 5486, 5711, 5685, 5487, 5451, 5622, 5470, 5513, 5450, 5539 (8 hits)
1	9	1.0	333.0	Yes	5249.0MHz, -59.4dBm	5355, 5719, 5339, 5592, 5476, 5666, 5687, 5557, 5291, 5636,

						5567, 5297, 5718, 5569, 5650, 5313, 5590, 5372, 5602, 5361, 5615, 5651, 5673, 5721, 5399, 5555, 5419, 5322, 5341, 5480, 5324, 5576, 5572, 5595, 5699, 5578, 5534, 5376, 5321, 5391, 5582, 5571, 5619, 5717, 5626, 5529, 5353, 5365, 5563, 5300, 5490, 5308, 5310, 5415, 5643, 5422, 5691, 5485, 5530, 5277, 5654, 5373, 5311, 5317, 5544, 5524, 5404, 5720, 5493, 5271, 5439, 5507, 5350, 5695, 5597, 5379, 5631, 5450, 5289, 5354, 5374, 5346, 5515, 5700, 5412, 5542, 5452, 5323, 5583, 5464, 5580, 5250, 5418, 5443, 5413, 5437, 5664, 5639, 5384, 5528 (5 hits)
2	9	1.0	333.0	Yes	5250.0MHz, -59.4dBm	5573, 5327, 5309, 5438, 5353, 5389, 5657, 5509, 5719, 5366, 5628, 5556, 5607, 5717, 5447, 5323, 5632, 5669, 5606, 5367, 5689, 5622, 5660, 5640, 5488, 5401, 5312, 5484, 5631, 5564, 5674, 5431, 5459, 5263, 5397, 5677, 5465, 5617, 5308, 5337, 5722, 5580, 5559, 5287, 5290, 5714, 5365, 5693, 5478, 5615, 5518, 5283, 5332, 5267, 5673, 5371, 5277, 5703, 5548, 5413, 5508, 5345, 5562, 5498, 5350, 5433, 5579, 5399, 5284, 5642, 5627, 5558, 5597, 5585, 5599, 5680, 5315, 5578, 5554, 5594, 5314, 5715, 5426, 5543, 5724, 5682, 5700, 5295, 5625, 5476, 5384, 5687, 5257, 5583, 5619, 5610, 5684, 5683, 5592, 5560 (8 hits)
3	9	1.0	333.0	Yes	5251.0MHz, -59.4dBm	5600, 5398, 5410, 5430, 5549, 5602, 5613, 5509, 5587, 5470, 5717, 5435, 5569, 5708, 5593, 5467, 5459, 5288, 5574, 5566, 5645, 5684, 5565, 5332, 5465, 5558, 5578, 5679, 5310, 5719, 5536, 5471, 5531, 5555, 5671, 5368, 5276, 5349, 5642, 5686, 5494, 5714, 5320, 5519, 5436, 5367, 5643, 5688, 5360, 5545, 5638, 5297, 5530, 5488, 5359, 5576, 5703, 5449, 5704, 5342, 5376, 5584, 5378, 5468, 5318, 5381, 5450, 5700, 5438, 5625, 5328, 5641, 5326, 5510, 5522, 5539, 5423, 5640, 5404, 5458, 5287, 5595, 5500, 5573, 5511, 5261, 5303, 5648, 5313, 5250, 5361, 5609, 5622, 5611, 5639,

						5416, 5396, 5629, 5437, 5589 (5 hits)
4	9	1.0	333.0	Yes	5252.0MHz, -59.4dBm	5251, 5680, 5556, 5412, 5574, 5488, 5365, 5677, 5704, 5283, 5304, 5459, 5681, 5307, 5678, 5660, 5546, 5586, 5718, 5644, 5298, 5661, 5560, 5630, 5692, 5590, 5348, 5694, 5363, 5663, 5634, 5490, 5545, 5713, 5340, 5420, 5664, 5595, 5379, 5698, 5496, 5676, 5277, 5591, 5655, 5334, 5717, 5632, 5643, 5543, 5432, 5473, 5267, 5521, 5445, 5404, 5402, 5719, 5313, 5289, 5530, 5616, 5469, 5540, 5648, 5263, 5647, 5290, 5274, 5428, 5314, 5554, 5440, 5477, 5497, 5474, 5635, 5327, 5353, 5293, 5667, 5386, 5396, 5645, 5326, 5665, 5535, 5385, 5435, 5555, 5551, 5351, 5527, 5312, 5637, 5316, 5500, 5362, 5421, 5596 (8 hits)
5	9	1.0	333.0	Yes	5253.0MHz, -59.4dBm	5652, 5287, 5663, 5485, 5678, 5562, 5261, 5274, 5411, 5532, 5537, 5423, 5535, 5694, 5284, 5484, 5565, 5352, 5432, 5400, 5408, 5264, 5597, 5317, 5326, 5640, 5422, 5648, 5724, 5700, 5330, 5553, 5585, 5308, 5610, 5451, 5589, 5435, 5351, 5478, 5628, 5289, 5687, 5516, 5294, 5436, 5710, 5702, 5473, 5346, 5564, 5605, 5449, 5574, 5661, 5322, 5653, 5578, 5698, 5647, 5357, 5474, 5509, 5389, 5450, 5568, 5722, 5699, 5464, 5456, 5709, 5297, 5495, 5259, 5399, 5438, 5288, 5402, 5306, 5469, 5602, 5457, 5384, 5539, 5496, 5285, 5462, 5431, 5350, 5419, 5616, 5526, 5311, 5340, 5251, 5609, 5538, 5572, 5283, 5404 (11 hits)
6	9	1.0	333.0	Yes	5254.0MHz, -59.4dBm	5703, 5697, 5724, 5354, 5527, 5272, 5623, 5517, 5591, 5310, 5319, 5452, 5582, 5427, 5281, 5278, 5699, 5265, 5308, 5311, 5322, 5417, 5583, 5651, 5509, 5671, 5637, 5383, 5505, 5553, 5578, 5395, 5501, 5275, 5709, 5630, 5543, 5621, 5333, 5365, 5662, 5722, 5716, 5454, 5436, 5397, 5608, 5260, 5610, 5424, 5315, 5511, 5577, 5411, 5375, 5406, 5441, 5480, 5325, 5640, 5567, 5654, 5324, 5642, 5283, 5663, 5483, 5263, 5498, 5474, 5326, 5277, 5342, 5394, 5634,

						5660, 5335, 5723, 5521, 5584, 5327, 5638, 5550, 5416, 5286, 5303, 5269, 5378, 5681, 5572, 5348, 5600, 5715, 5440, 5413, 5489, 5544, 5658, 5296, 5444 (11 hits)
7	9	1.0	333.0	Yes	5255.0MHz, -59.4dBm	5358, 5300, 5666, 5369, 5432, 5519, 5320, 5303, 5252, 5504, 5501, 5625, 5267, 5630, 5314, 5378, 5632, 5473, 5375, 5718, 5388, 5410, 5679, 5425, 5601, 5715, 5582, 5379, 5285, 5609, 5274, 5348, 5381, 5456, 5637, 5277, 5263, 5355, 5525, 5335, 5366, 5558, 5617, 5573, 5620, 5486, 5445, 5454, 5307, 5683, 5280, 5489, 5354, 5337, 5270, 5541, 5626, 5385, 5452, 5291, 5290, 5429, 5651, 5644, 5539, 5549, 5564, 5545, 5499, 5451, 5529, 5689, 5618, 5400, 5408, 5613, 5311, 5534, 5692, 5430, 5580, 5346, 5351, 5566, 5696, 5281, 5524, 5701, 5488, 5491, 5550, 5461, 5554, 5622, 5639, 5278, 5449, 5569, 5405, 5302 (12 hits)
8	9	1.0	333.0	Yes	5256.0MHz, -59.4dBm	5557, 5364, 5584, 5633, 5701, 5603, 5431, 5440, 5713, 5380, 5294, 5339, 5393, 5689, 5414, 5497, 5526, 5330, 5544, 5335, 5700, 5519, 5608, 5266, 5382, 5359, 5354, 5488, 5342, 5255, 5553, 5612, 5697, 5448, 5654, 5622, 5655, 5476, 5427, 5447, 5439, 5707, 5565, 5365, 5275, 5301, 5348, 5260, 5538, 5717, 5404, 5686, 5322, 5585, 5712, 5423, 5262, 5534, 5321, 5415, 5502, 5403, 5465, 5331, 5324, 5258, 5366, 5556, 5383, 5398, 5699, 5452, 5471, 5682, 5303, 5523, 5595, 5468, 5618, 5601, 5626, 5437, 5720, 5418, 5453, 5694, 5642, 5408, 5274, 5270, 5659, 5445, 5334, 5658, 5433, 5442, 5307, 5522, 5426, 5454 (8 hits)
9	9	1.0	333.0	Yes	5257.0MHz, -59.4dBm	5300, 5435, 5597, 5260, 5547, 5635, 5411, 5652, 5641, 5363, 5313, 5473, 5695, 5378, 5615, 5614, 5324, 5526, 5388, 5309, 5693, 5512, 5356, 5540, 5698, 5586, 5550, 5552, 5315, 5554, 5685, 5576, 5583, 5409, 5404, 5663, 5627, 5569, 5450, 5694, 5580, 5369, 5459, 5537, 5560, 5367, 5383, 5618, 5252, 5591, 5325, 5610, 5493, 5598, 5266,

						5406, 5629, 5355, 5410, 5633, 5645, 5608, 5642, 5419, 5457, 5361, 5596, 5467, 5674, 5579, 5302, 5640, 5401, 5250, 5436, 5706, 5262, 5368, 5671, 5405, 5322, 5532, 5348, 5399, 5496, 5630, 5471, 5612, 5489, 5433, 5533, 5441, 5359, 5657, 5319, 5676, 5613, 5337, 5590, 5667 (5 hits)
10	9	1.0	333.0	Yes	5258.0MHz, -59.4dBm	5421, 5554, 5708, 5665, 5471, 5291, 5464, 5664, 5281, 5589, 5711, 5459, 5355, 5430, 5349, 5584, 5561, 5311, 5418, 5487, 5603, 5460, 5514, 5666, 5306, 5527, 5422, 5704, 5289, 5425, 5368, 5608, 5395, 5261, 5596, 5419, 5258, 5685, 5272, 5342, 5265, 5385, 5384, 5390, 5651, 5387, 5509, 5526, 5718, 5383, 5329, 5653, 5415, 5424, 5496, 5295, 5723, 5435, 5268, 5251, 5405, 5270, 5606, 5313, 5276, 5715, 5604, 5413, 5366, 5397, 5619, 5717, 5371, 5408, 5420, 5624, 5388, 5486, 5308, 5324, 5564, 5477, 5565, 5498, 5322, 5440, 5703, 5678, 5625, 5336, 5546, 5382, 5485, 5361, 5630, 5500, 5334, 5712, 5610, 5682 (11 hits)
11	9	1.0	333.0	Yes	5259.0MHz, -59.4dBm	5474, 5344, 5591, 5469, 5385, 5258, 5565, 5519, 5454, 5501, 5323, 5708, 5496, 5357, 5255, 5634, 5556, 5523, 5410, 5515, 5606, 5464, 5395, 5618, 5698, 5309, 5504, 5571, 5433, 5510, 5546, 5457, 5477, 5476, 5361, 5605, 5664, 5684, 5599, 5647, 5671, 5378, 5270, 5428, 5669, 5714, 5640, 5305, 5712, 5622, 5688, 5278, 5576, 5315, 5639, 5631, 5677, 5343, 5577, 5404, 5338, 5628, 5314, 5502, 5486, 5588, 5644, 5320, 5384, 5311, 5372, 5692, 5690, 5451, 5662, 5495, 5560, 5536, 5399, 5340, 5450, 5716, 5674, 5682, 5442, 5462, 5620, 5455, 5382, 5253, 5259, 5563, 5503, 5619, 5697, 5422, 5266, 5257, 5426, 5279 (9 hits)
12	9	1.0	333.0	Yes	5260.0MHz, -59.4dBm	5546, 5675, 5704, 5336, 5620, 5259, 5484, 5683, 5502, 5691, 5501, 5650, 5441, 5467, 5688, 5401, 5716, 5695, 5322, 5573, 5677, 5645, 5332, 5324, 5325, 5604, 5574, 5598, 5565, 5658, 5310, 5485, 5272, 5553, 5633,

						5400, 5428, 5408, 5587, 5486, 5361, 5294, 5713, 5679, 5265, 5694, 5363, 5569, 5616, 5411, 5625, 5418, 5517, 5380, 5356, 5427, 5357, 5576, 5413, 5313, 5355, 5629, 5582, 5292, 5397, 5430, 5348, 5466, 5684, 5715, 5686, 5360, 5705, 5256, 5557, 5337, 5522, 5446, 5463, 5367, 5327, 5286, 5483, 5321, 5487, 5254, 5437, 5414, 5431, 5545, 5508, 5600, 5449, 5301, 5494, 5539, 5382, 5527, 5368, 5678 (6 hits)
13	9	1.0	333.0	Yes	5261.0MHz, -59.4dBm	5405, 5590, 5354, 5409, 5708, 5509, 5455, 5264, 5300, 5291, 5339, 5408, 5541, 5699, 5295, 5552, 5274, 5258, 5536, 5486, 5344, 5359, 5407, 5256, 5628, 5395, 5257, 5423, 5490, 5641, 5483, 5322, 5671, 5547, 5680, 5679, 5476, 5360, 5456, 5496, 5287, 5320, 5420, 5696, 5645, 5612, 5484, 5583, 5668, 5275, 5470, 5417, 5719, 5298, 5492, 5619, 5716, 5299, 5542, 5650, 5384, 5532, 5723, 5438, 5523, 5349, 5665, 5661, 5333, 5362, 5272, 5286, 5642, 5655, 5649, 5548, 5513, 5369, 5381, 5724, 5308, 5690, 5311, 5506, 5593, 5319, 5525, 5283, 5634, 5636, 5293, 5403, 5666, 5596, 5637, 5629, 5570, 5323, 5582, 5588 (11 hits)
14	9	1.0	333.0	Yes	5262.0MHz, -59.4dBm	5462, 5403, 5310, 5322, 5385, 5515, 5454, 5315, 5418, 5533, 5445, 5642, 5414, 5281, 5388, 5482, 5511, 5568, 5549, 5663, 5354, 5579, 5276, 5260, 5574, 5705, 5614, 5483, 5673, 5437, 5590, 5485, 5636, 5401, 5541, 5280, 5410, 5698, 5538, 5502, 5390, 5570, 5546, 5527, 5435, 5352, 5656, 5339, 5296, 5710, 5290, 5353, 5314, 5478, 5680, 5580, 5659, 5495, 5641, 5699, 5543, 5408, 5569, 5537, 5452, 5316, 5395, 5409, 5492, 5654, 5477, 5661, 5629, 5318, 5364, 5295, 5476, 5306, 5553, 5443, 5678, 5560, 5490, 5368, 5558, 5725, 5620, 5676, 5347, 5557, 5607, 5481, 5333, 5444, 5258, 5583, 5279, 5421, 5692, 5438 (7 hits)
15	9	1.0	333.0	Yes	5263.0MHz, -59.4dBm	5617, 5648, 5588, 5410, 5310, 5416, 5527, 5350, 5375, 5389, 5336, 5298, 5379, 5431, 5686,

						5522, 5274, 5385, 5327, 5644, 5658, 5627, 5621, 5641, 5358, 5716, 5266, 5407, 5518, 5538, 5427, 5449, 5537, 5345, 5618, 5363, 5513, 5384, 5278, 5611, 5667, 5528, 5643, 5625, 5553, 5665, 5432, 5255, 5330, 5502, 5707, 5460, 5495, 5596, 5454, 5715, 5368, 5570, 5377, 5331, 5406, 5263, 5322, 5369, 5402, 5315, 5724, 5376, 5341, 5262, 5722, 5555, 5663, 5651, 5531, 5585, 5499, 5394, 5666, 5302, 5271, 5567, 5272, 5301, 5462, 5276, 5677, 5362, 5335, 5546, 5629, 5501, 5309, 5560, 5373, 5418, 5354, 5329, 5403, 5695 (9 hits)
16	9	1.0	333.0	Yes	5264.0MHz, -59.4dBm	5618, 5667, 5600, 5472, 5254, 5333, 5403, 5265, 5432, 5555, 5465, 5446, 5447, 5562, 5329, 5345, 5427, 5573, 5512, 5589, 5256, 5360, 5401, 5483, 5408, 5530, 5550, 5574, 5655, 5719, 5456, 5679, 5564, 5715, 5577, 5371, 5283, 5613, 5517, 5569, 5365, 5699, 5498, 5269, 5513, 5704, 5502, 5703, 5368, 5289, 5579, 5277, 5672, 5258, 5610, 5656, 5560, 5584, 5556, 5662, 5542, 5490, 5319, 5675, 5363, 5268, 5712, 5487, 5510, 5325, 5568, 5417, 5430, 5276, 5375, 5493, 5377, 5433, 5385, 5523, 5658, 5659, 5723, 5404, 5673, 5412, 5548, 5317, 5479, 5588, 5696, 5439, 5695, 5694, 5374, 5342, 5538, 5443, 5637, 5529 (10 hits)
17	9	1.0	333.0	Yes	5265.0MHz, -59.4dBm	5611, 5253, 5587, 5464, 5562, 5357, 5505, 5410, 5378, 5468, 5463, 5681, 5703, 5282, 5706, 5301, 5662, 5503, 5314, 5385, 5408, 5291, 5570, 5553, 5413, 5664, 5353, 5391, 5526, 5614, 5405, 5381, 5663, 5575, 5521, 5712, 5660, 5459, 5621, 5423, 5666, 5573, 5631, 5632, 5302, 5522, 5333, 5471, 5554, 5254, 5415, 5295, 5625, 5422, 5345, 5383, 5696, 5524, 5377, 5331, 5497, 5561, 5634, 5289, 5344, 5640, 5279, 5635, 5518, 5578, 5299, 5686, 5286, 5594, 5404, 5607, 5547, 5583, 5540, 5367, 5318, 5308, 5491, 5620, 5536, 5481, 5454, 5392, 5704, 5674, 5437, 5450, 5685, 5671, 5363, 5600, 5425, 5477, 5656, 5571 (7 hits)

						hits)
18	9	1.0	333.0	Yes	5266.0MHz, -59.4dBm	5250, 5482, 5448, 5471, 5284, 5272, 5412, 5297, 5724, 5558, 5544, 5474, 5411, 5345, 5263, 5614, 5347, 5500, 5628, 5333, 5667, 5359, 5326, 5694, 5409, 5281, 5276, 5562, 5488, 5566, 5456, 5688, 5477, 5540, 5350, 5660, 5629, 5637, 5403, 5497, 5328, 5612, 5287, 5439, 5636, 5427, 5454, 5675, 5645, 5665, 5373, 5344, 5254, 5570, 5599, 5605, 5668, 5319, 5715, 5375, 5578, 5506, 5440, 5682, 5404, 5568, 5450, 5491, 5469, 5600, 5650, 5257, 5635, 5332, 5657, 5673, 5669, 5400, 5402, 5390, 5431, 5495, 5564, 5576, 5565, 5679, 5639, 5714, 5262, 5689, 5370, 5367, 5486, 5325, 5478, 5289, 5676, 5349, 5296, 5654 (11 hits)
19	9	1.0	333.0	Yes	5267.0MHz, -59.4dBm	5676, 5654, 5487, 5444, 5564, 5367, 5321, 5561, 5677, 5544, 5501, 5614, 5338, 5664, 5360, 5332, 5630, 5554, 5631, 5693, 5388, 5497, 5649, 5705, 5658, 5348, 5505, 5381, 5289, 5255, 5570, 5526, 5371, 5467, 5261, 5549, 5404, 5435, 5653, 5534, 5579, 5552, 5274, 5574, 5682, 5652, 5665, 5551, 5686, 5688, 5590, 5305, 5358, 5592, 5619, 5282, 5298, 5379, 5580, 5287, 5672, 5288, 5267, 5719, 5465, 5356, 5432, 5415, 5486, 5483, 5616, 5540, 5291, 5490, 5441, 5252, 5450, 5417, 5584, 5626, 5530, 5352, 5477, 5622, 5683, 5343, 5662, 5285, 5636, 5263, 5553, 5398, 5593, 5496, 5317, 5400, 5637, 5273, 5724, 5250 (14 hits)
20	9	1.0	333.0	Yes	5268.0MHz, -59.4dBm	5553, 5581, 5373, 5664, 5450, 5481, 5723, 5596, 5559, 5585, 5566, 5429, 5372, 5645, 5396, 5400, 5348, 5268, 5353, 5477, 5386, 5409, 5406, 5635, 5685, 5689, 5393, 5508, 5417, 5499, 5647, 5707, 5619, 5404, 5524, 5390, 5547, 5684, 5431, 5316, 5398, 5716, 5554, 5289, 5675, 5599, 5355, 5445, 5394, 5629, 5265, 5704, 5656, 5569, 5299, 5576, 5448, 5604, 5507, 5674, 5430, 5489, 5721, 5462, 5633, 5281, 5282, 5275, 5475, 5538, 5701, 5655, 5676, 5608, 5511, 5384, 5370, 5290, 5551, 5287,

						5583, 5471, 5337, 5556, 5447, 5677, 5670, 5665, 5382, 5542, 5472, 5694, 5522, 5314, 5579, 5516, 5614, 5672, 5666, 5710 (8 hits)
21	9	1.0	333.0	Yes	5269.0MHz, -59.4dBm	5565, 5325, 5459, 5382, 5528, 5591, 5276, 5457, 5672, 5263, 5375, 5545, 5278, 5455, 5330, 5593, 5422, 5307, 5588, 5479, 5393, 5324, 5615, 5510, 5341, 5493, 5655, 5408, 5302, 5550, 5586, 5349, 5575, 5476, 5560, 5301, 5350, 5725, 5705, 5327, 5596, 5669, 5689, 5381, 5299, 5297, 5464, 5499, 5699, 5571, 5649, 5478, 5420, 5413, 5274, 5268, 5460, 5362, 5484, 5318, 5409, 5507, 5342, 5448, 5583, 5650, 5515, 5305, 5681, 5306, 5671, 5447, 5613, 5717, 5605, 5286, 5626, 5309, 5437, 5704, 5304, 5617, 5674, 5310, 5665, 5667, 5468, 5511, 5347, 5703, 5456, 5303, 5620, 5361, 5594, 5595, 5421, 5606, 5264, 5317 (7 hits)
22	9	1.0	333.0	Yes	5270.0MHz, -59.4dBm	5344, 5504, 5346, 5619, 5554, 5705, 5630, 5525, 5512, 5666, 5474, 5524, 5392, 5609, 5409, 5450, 5646, 5402, 5649, 5303, 5268, 5379, 5417, 5314, 5383, 5607, 5462, 5555, 5498, 5343, 5300, 5389, 5700, 5463, 5471, 5527, 5537, 5698, 5584, 5530, 5472, 5551, 5326, 5313, 5436, 5562, 5568, 5641, 5678, 5510, 5576, 5419, 5583, 5706, 5356, 5384, 5681, 5296, 5347, 5380, 5701, 5605, 5684, 5593, 5570, 5330, 5362, 5400, 5557, 5370, 5653, 5286, 5582, 5307, 5414, 5588, 5404, 5442, 5603, 5532, 5687, 5318, 5669, 5497, 5325, 5585, 5470, 5350, 5699, 5271, 5637, 5328, 5399, 5520, 5659, 5319, 5672, 5298, 5454, 5516 (3 hits)
23	9	1.0	333.0	Yes	5271.0MHz, -59.4dBm	5658, 5255, 5256, 5524, 5683, 5423, 5321, 5672, 5531, 5511, 5516, 5474, 5358, 5504, 5333, 5389, 5693, 5626, 5335, 5307, 5407, 5295, 5468, 5346, 5613, 5562, 5648, 5292, 5478, 5496, 5625, 5632, 5330, 5316, 5564, 5329, 5659, 5352, 5370, 5725, 5251, 5660, 5359, 5250, 5465, 5311, 5710, 5644, 5571, 5349, 5634, 5686, 5708, 5714, 5656, 5444, 5399, 5260, 5269, 5540,

						5522, 5608, 5371, 5515, 5302, 5589, 5706, 5429, 5286, 5721, 5505, 5561, 5527, 5356, 5493, 5326, 5585, 5432, 5393, 5263, 5518, 5404, 5471, 5406, 5453, 5409, 5580, 5586, 5386, 5529, 5670, 5411, 5437, 5422, 5257, 5566, 5354, 5581, 5355, 5379 (9 hits)
24	9	1.0	333.0	Yes	5272.0MHz, -59.4dBm	5563, 5658, 5267, 5339, 5367, 5498, 5346, 5704, 5341, 5609, 5663, 5679, 5268, 5567, 5369, 5628, 5578, 5354, 5696, 5474, 5493, 5648, 5467, 5703, 5668, 5637, 5364, 5636, 5612, 5515, 5512, 5624, 5621, 5495, 5344, 5440, 5451, 5325, 5665, 5276, 5424, 5370, 5584, 5466, 5459, 5613, 5445, 5630, 5713, 5691, 5509, 5623, 5266, 5326, 5523, 5687, 5316, 5528, 5634, 5689, 5525, 5548, 5684, 5650, 5513, 5702, 5362, 5311, 5444, 5699, 5649, 5477, 5389, 5633, 5527, 5631, 5257, 5695, 5635, 5347, 5461, 5585, 5721, 5426, 5562, 5504, 5396, 5308, 5566, 5351, 5381, 5516, 5693, 5690, 5417, 5565, 5644, 5709, 5685, 5586 (5 hits)
25	9	1.0	333.0	Yes	5273.0MHz, -59.4dBm	5385, 5263, 5612, 5267, 5493, 5618, 5413, 5473, 5337, 5525, 5687, 5491, 5279, 5428, 5281, 5359, 5485, 5323, 5363, 5714, 5310, 5443, 5694, 5677, 5466, 5438, 5487, 5312, 5524, 5450, 5435, 5511, 5408, 5409, 5672, 5400, 5710, 5418, 5344, 5330, 5709, 5268, 5283, 5624, 5465, 5411, 5570, 5721, 5460, 5572, 5410, 5439, 5690, 5478, 5701, 5531, 5324, 5720, 5459, 5642, 5668, 5644, 5628, 5322, 5541, 5348, 5365, 5366, 5645, 5371, 5346, 5356, 5501, 5597, 5406, 5486, 5417, 5372, 5451, 5591, 5483, 5566, 5576, 5580, 5357, 5661, 5723, 5257, 5440, 5598, 5393, 5523, 5302, 5290, 5340, 5457, 5683, 5377, 5622, 5544 (8 hits)
26	9	1.0	333.0	Yes	5274.0MHz, -59.4dBm	5695, 5293, 5580, 5448, 5651, 5330, 5454, 5563, 5294, 5255, 5329, 5316, 5356, 5469, 5723, 5360, 5628, 5479, 5382, 5509, 5285, 5689, 5352, 5492, 5344, 5546, 5666, 5499, 5491, 5502, 5683, 5551, 5635, 5474, 5446, 5605, 5297, 5608, 5375, 5389,

						5527, 5468, 5664, 5432, 5657, 5541, 5269, 5600, 5582, 5463, 5610, 5392, 5482, 5703, 5416, 5301, 5467, 5505, 5521, 5429, 5412, 5704, 5567, 5599, 5322, 5292, 5290, 5359, 5259, 5561, 5291, 5303, 5626, 5503, 5663, 5252, 5677, 5545, 5497, 5534, 5710, 5428, 5506, 5283, 5654, 5696, 5262, 5594, 5618, 5475, 5504, 5473, 5328, 5680, 5508, 5672, 5264, 5699, 5642, 5645 (10 hits)
27	9	1.0	333.0	Yes	5275.0MHz, -59.4dBm	5302, 5552, 5619, 5434, 5561, 5653, 5629, 5304, 5478, 5645, 5407, 5288, 5524, 5613, 5432, 5397, 5314, 5355, 5486, 5406, 5470, 5625, 5291, 5576, 5499, 5551, 5691, 5313, 5331, 5321, 5543, 5318, 5537, 5517, 5661, 5382, 5600, 5654, 5437, 5716, 5427, 5666, 5528, 5540, 5588, 5458, 5720, 5700, 5258, 5699, 5723, 5620, 5320, 5630, 5472, 5493, 5692, 5305, 5608, 5678, 5273, 5640, 5667, 5447, 5555, 5695, 5441, 5448, 5585, 5641, 5719, 5557, 5554, 5340, 5535, 5572, 5343, 5550, 5612, 5436, 5332, 5351, 5412, 5529, 5556, 5494, 5364, 5603, 5631, 5310, 5495, 5454, 5289, 5371, 5373, 5553, 5601, 5460, 5383, 5581 (5 hits)
28	9	1.0	333.0	Yes	5276.0MHz, -59.4dBm	5309, 5279, 5471, 5268, 5289, 5369, 5313, 5439, 5495, 5592, 5499, 5712, 5723, 5468, 5360, 5708, 5636, 5354, 5570, 5681, 5675, 5491, 5335, 5269, 5588, 5624, 5722, 5346, 5695, 5573, 5479, 5447, 5717, 5377, 5322, 5378, 5698, 5524, 5607, 5312, 5549, 5399, 5686, 5372, 5457, 5550, 5349, 5522, 5662, 5505, 5350, 5286, 5548, 5620, 5525, 5501, 5331, 5663, 5275, 5296, 5591, 5538, 5502, 5368, 5559, 5704, 5705, 5640, 5391, 5584, 5294, 5384, 5558, 5278, 5537, 5450, 5337, 5261, 5651, 5725, 5327, 5375, 5617, 5644, 5415, 5373, 5517, 5699, 5715, 5484, 5564, 5605, 5259, 5425, 5650, 5273, 5667, 5494, 5654, 5258 (11 hits)
29	9	1.0	333.0	Yes	5277.0MHz, -59.4dBm	5304, 5549, 5439, 5571, 5471, 5691, 5577, 5424, 5664, 5288, 5565, 5470, 5556, 5253, 5462, 5414, 5543, 5499, 5413, 5516,

						5343, 5353, 5259, 5689, 5659, 5408, 5405, 5420, 5550, 5642, 5654, 5318, 5547, 5562, 5509, 5705, 5594, 5662, 5429, 5501, 5448, 5457, 5483, 5678, 5640, 5285, 5541, 5477, 5298, 5597, 5475, 5503, 5607, 5374, 5574, 5605, 5583, 5592, 5511, 5269, 5688, 5554, 5703, 5631, 5610, 5358, 5496, 5693, 5418, 5524, 5636, 5351, 5625, 5479, 5324, 5356, 5709, 5263, 5580, 5312, 5455, 5297, 5560, 5551, 5617, 5587, 5326, 5469, 5333, 5274, 5365, 5713, 5425, 5590, 5570, 5544, 5402, 5627, 5710, 5716 (7 hits)
30	9	1.0	333.0	Yes	5278.0MHz, -59.4dBm	5566, 5351, 5710, 5579, 5368, 5612, 5384, 5426, 5362, 5601, 5432, 5447, 5723, 5592, 5382, 5260, 5539, 5637, 5419, 5349, 5295, 5398, 5354, 5610, 5622, 5662, 5318, 5425, 5323, 5421, 5325, 5596, 5492, 5512, 5501, 5359, 5331, 5697, 5402, 5554, 5590, 5403, 5560, 5358, 5357, 5316, 5545, 5375, 5341, 5628, 5661, 5471, 5507, 5455, 5705, 5589, 5322, 5519, 5303, 5268, 5631, 5547, 5691, 5259, 5327, 5712, 5572, 5293, 5270, 5518, 5423, 5371, 5694, 5256, 5466, 5525, 5400, 5599, 5677, 5546, 5434, 5616, 5475, 5617, 5266, 5488, 5699, 5543, 5568, 5638, 5645, 5585, 5258, 5355, 5647, 5495, 5397, 5582, 5524, 5406 (7 hits)
31	9	1.0	333.0	Yes	5279.0MHz, -59.4dBm	5560, 5597, 5682, 5390, 5252, 5495, 5401, 5496, 5331, 5534, 5259, 5381, 5306, 5698, 5442, 5429, 5406, 5475, 5494, 5570, 5537, 5256, 5455, 5519, 5471, 5358, 5535, 5463, 5470, 5515, 5681, 5693, 5621, 5649, 5536, 5559, 5510, 5430, 5472, 5484, 5672, 5432, 5364, 5274, 5616, 5421, 5613, 5411, 5548, 5372, 5288, 5315, 5595, 5380, 5387, 5483, 5335, 5395, 5679, 5514, 5561, 5498, 5409, 5637, 5598, 5347, 5652, 5464, 5424, 5491, 5507, 5601, 5413, 5504, 5650, 5487, 5308, 5610, 5340, 5586, 5258, 5410, 5489, 5642, 5400, 5392, 5361, 5426, 5583, 5370, 5505, 5360, 5629, 5307, 5518, 5290, 5428, 5282, 5625, 5313 (8 hits)

32	9	1.0	333.0	Yes	5280.0MHz, -59.4dBm	5459, 5344, 5622, 5562, 5274, 5657, 5481, 5668, 5589, 5477, 5452, 5602, 5598, 5576, 5722, 5269, 5705, 5430, 5284, 5695, 5504, 5285, 5385, 5498, 5464, 5302, 5277, 5424, 5575, 5549, 5367, 5351, 5570, 5267, 5511, 5433, 5280, 5456, 5675, 5650, 5449, 5435, 5379, 5552, 5485, 5458, 5599, 5665, 5637, 5429, 5288, 5261, 5331, 5402, 5655, 5308, 5654, 5353, 5501, 5455, 5323, 5652, 5314, 5670, 5684, 5422, 5403, 5330, 5322, 5401, 5514, 5259, 5407, 5397, 5338, 5718, 5647, 5651, 5463, 5642, 5625, 5349, 5394, 5540, 5605, 5688, 5721, 5672, 5478, 5586, 5333, 5258, 5494, 5484, 5253, 5399, 5298, 5431, 5522, 5266 (13 hits)
33	9	1.0	333.0	Yes	5281.0MHz, -59.4dBm	5622, 5533, 5366, 5468, 5344, 5464, 5550, 5531, 5571, 5607, 5342, 5381, 5465, 5340, 5430, 5665, 5681, 5636, 5278, 5579, 5561, 5704, 5521, 5678, 5541, 5383, 5664, 5675, 5580, 5277, 5389, 5702, 5424, 5631, 5445, 5519, 5479, 5440, 5266, 5509, 5544, 5286, 5714, 5701, 5359, 5597, 5557, 5318, 5501, 5306, 5535, 5436, 5566, 5452, 5462, 5481, 5507, 5703, 5502, 5259, 5395, 5680, 5364, 5369, 5276, 5435, 5403, 5629, 5371, 5458, 5659, 5494, 5669, 5268, 5388, 5334, 5282, 5581, 5472, 5588, 5711, 5686, 5346, 5586, 5598, 5644, 5349, 5638, 5529, 5411, 5439, 5267, 5645, 5322, 5287, 5724, 5387, 5413, 5700, 5312 (10 hits)
34	9	1.0	333.0	Yes	5282.0MHz, -59.4dBm	5608, 5486, 5644, 5612, 5261, 5417, 5578, 5310, 5637, 5682, 5654, 5712, 5354, 5333, 5665, 5690, 5681, 5412, 5271, 5513, 5720, 5402, 5296, 5418, 5369, 5537, 5329, 5458, 5336, 5357, 5566, 5254, 5295, 5407, 5724, 5380, 5498, 5497, 5469, 5375, 5688, 5301, 5368, 5349, 5460, 5548, 5568, 5324, 5397, 5617, 5625, 5648, 5314, 5474, 5643, 5702, 5587, 5599, 5694, 5507, 5484, 5545, 5531, 5337, 5635, 5575, 5379, 5327, 5713, 5506, 5463, 5631, 5641, 5577, 5515, 5621, 5652, 5250, 5592, 5265, 5576, 5676, 5552, 5511, 5429,

						5573, 5600, 5505, 5372, 5398, 5270, 5565, 5508, 5567, 5456, 5722, 5512, 5699, 5255, 5613 (7 hits)
35	9	1.0	333.0	Yes	5283.0MHz, -59.4dBm	5306, 5574, 5704, 5311, 5627, 5508, 5497, 5553, 5665, 5568, 5469, 5303, 5649, 5387, 5496, 5379, 5594, 5550, 5582, 5420, 5570, 5540, 5254, 5489, 5650, 5620, 5495, 5577, 5272, 5517, 5403, 5472, 5462, 5335, 5452, 5719, 5366, 5600, 5350, 5278, 5658, 5687, 5669, 5589, 5547, 5566, 5644, 5470, 5535, 5695, 5375, 5606, 5647, 5628, 5431, 5642, 5648, 5364, 5378, 5708, 5692, 5305, 5523, 5538, 5417, 5295, 5449, 5543, 5691, 5498, 5341, 5519, 5349, 5426, 5616, 5583, 5480, 5579, 5400, 5723, 5613, 5418, 5290, 5514, 5391, 5467, 5264, 5458, 5261, 5607, 5433, 5476, 5333, 5348, 5494, 5407, 5694, 5360, 5339, 5542 (6 hits)
36	9	1.0	333.0	Yes	5284.0MHz, -59.4dBm	5666, 5646, 5483, 5627, 5367, 5586, 5478, 5599, 5591, 5571, 5606, 5497, 5389, 5400, 5555, 5294, 5541, 5699, 5258, 5368, 5700, 5681, 5632, 5374, 5706, 5723, 5329, 5311, 5405, 5351, 5532, 5424, 5366, 5378, 5373, 5578, 5319, 5458, 5292, 5453, 5440, 5642, 5721, 5381, 5658, 5531, 5435, 5358, 5445, 5567, 5665, 5489, 5476, 5525, 5648, 5584, 5303, 5677, 5462, 5661, 5607, 5290, 5332, 5257, 5676, 5501, 5352, 5521, 5411, 5419, 5583, 5597, 5509, 5664, 5423, 5465, 5636, 5678, 5318, 5438, 5703, 5638, 5408, 5306, 5718, 5644, 5589, 5656, 5398, 5605, 5281, 5345, 5469, 5457, 5422, 5615, 5536, 5397, 5495, 5482 (4 hits)
37	9	1.0	333.0	Yes	5285.0MHz, -59.4dBm	5615, 5590, 5534, 5298, 5287, 5607, 5401, 5429, 5304, 5409, 5288, 5352, 5460, 5515, 5507, 5381, 5440, 5657, 5562, 5465, 5708, 5254, 5646, 5433, 5706, 5404, 5650, 5500, 5333, 5388, 5350, 5724, 5349, 5714, 5587, 5398, 5542, 5603, 5284, 5545, 5373, 5257, 5645, 5694, 5553, 5420, 5687, 5402, 5393, 5688, 5522, 5683, 5396, 5432, 5557, 5636, 5624, 5670, 5539, 5697, 5677, 5267, 5274, 5383, 5568,

						5437, 5295, 5627, 5403, 5512, 5713, 5640, 5368, 5473, 5629, 5273, 5390, 5689, 5459, 5323, 5712, 5261, 5583, 5479, 5327, 5329, 5458, 5493, 5717, 5723, 5704, 5526, 5331, 5348, 5498, 5499, 5608, 5577, 5634, 5276 (10 hits)
38	9	1.0	333.0	Yes	5286.0MHz, -59.4dBm	5267, 5258, 5263, 5311, 5485, 5665, 5599, 5480, 5584, 5627, 5540, 5533, 5404, 5623, 5429, 5320, 5347, 5420, 5363, 5489, 5386, 5657, 5554, 5350, 5703, 5678, 5615, 5607, 5376, 5322, 5520, 5415, 5403, 5492, 5561, 5294, 5670, 5625, 5257, 5636, 5446, 5425, 5648, 5389, 5357, 5419, 5679, 5454, 5391, 5708, 5411, 5611, 5290, 5696, 5304, 5536, 5285, 5373, 5314, 5382, 5486, 5413, 5447, 5369, 5423, 5396, 5265, 5293, 5352, 5517, 5684, 5453, 5660, 5348, 5433, 5483, 5375, 5287, 5570, 5313, 5354, 5516, 5353, 5291, 5619, 5371, 5279, 5251, 5272, 5334, 5521, 5527, 5457, 5274, 5288, 5613, 5417, 5587, 5539, 5553 (14 hits)
39	9	1.0	333.0	Yes	5287.0MHz, -59.4dBm	5382, 5466, 5484, 5476, 5539, 5536, 5506, 5507, 5483, 5545, 5344, 5396, 5311, 5446, 5722, 5414, 5491, 5364, 5561, 5393, 5612, 5661, 5660, 5658, 5306, 5586, 5519, 5608, 5680, 5492, 5331, 5645, 5714, 5264, 5698, 5370, 5500, 5699, 5349, 5647, 5609, 5638, 5705, 5689, 5431, 5333, 5715, 5560, 5345, 5424, 5325, 5423, 5290, 5488, 5622, 5353, 5334, 5327, 5314, 5627, 5362, 5383, 5685, 5520, 5692, 5329, 5438, 5381, 5379, 5544, 5655, 5478, 5602, 5542, 5425, 5497, 5377, 5270, 5518, 5537, 5462, 5590, 5479, 5293, 5371, 5437, 5621, 5356, 5442, 5449, 5723, 5469, 5291, 5684, 5571, 5390, 5616, 5321, 5413, 5255 (5 hits)
40	9	1.0	333.0	Yes	5288.0MHz, -59.4dBm	5642, 5652, 5478, 5714, 5700, 5479, 5267, 5411, 5620, 5638, 5709, 5359, 5374, 5699, 5403, 5570, 5720, 5420, 5274, 5694, 5546, 5304, 5556, 5333, 5321, 5676, 5587, 5658, 5373, 5573, 5451, 5283, 5281, 5571, 5377, 5426, 5268, 5365, 5306, 5376, 5339, 5354, 5276, 5299, 5561,

						5527, 5346, 5401, 5569, 5313, 5305, 5716, 5626, 5562, 5578, 5655, 5381, 5645, 5616, 5314, 5291, 5551, 5384, 5660, 5632, 5368, 5509, 5416, 5557, 5439, 5707, 5389, 5687, 5369, 5330, 5502, 5293, 5271, 5517, 5600, 5294, 5692, 5311, 5429, 5678, 5534, 5349, 5500, 5454, 5331, 5412, 5674, 5338, 5581, 5681, 5269, 5372, 5448, 5718, 5549 (9 hits)
41	9	1.0	333.0	Yes	5289.0MHz, -59.4dBm	5631, 5323, 5392, 5432, 5469, 5717, 5415, 5655, 5349, 5338, 5534, 5572, 5666, 5470, 5687, 5277, 5314, 5643, 5253, 5522, 5594, 5579, 5706, 5571, 5443, 5301, 5398, 5422, 5605, 5347, 5374, 5311, 5294, 5293, 5500, 5438, 5449, 5408, 5508, 5560, 5486, 5504, 5536, 5710, 5373, 5718, 5680, 5513, 5667, 5404, 5304, 5646, 5704, 5697, 5358, 5361, 5341, 5435, 5390, 5585, 5480, 5317, 5673, 5451, 5353, 5557, 5555, 5458, 5644, 5664, 5649, 5287, 5342, 5691, 5659, 5378, 5565, 5279, 5261, 5291, 5368, 5600, 5334, 5318, 5386, 5289, 5260, 5252, 5418, 5488, 5259, 5509, 5587, 5529, 5674, 5670, 5431, 5679, 5711, 5460 (10 hits)
42	9	1.0	333.0	Yes	5290.0MHz, -59.4dBm	5422, 5695, 5491, 5395, 5540, 5698, 5720, 5577, 5442, 5284, 5266, 5400, 5580, 5424, 5599, 5359, 5608, 5707, 5298, 5412, 5498, 5347, 5368, 5597, 5548, 5667, 5494, 5285, 5573, 5504, 5435, 5383, 5704, 5277, 5325, 5706, 5650, 5282, 5278, 5669, 5652, 5362, 5636, 5299, 5696, 5537, 5403, 5472, 5471, 5546, 5276, 5513, 5257, 5665, 5683, 5439, 5484, 5349, 5567, 5559, 5344, 5407, 5330, 5517, 5512, 5600, 5525, 5552, 5544, 5312, 5474, 5703, 5415, 5725, 5700, 5510, 5443, 5427, 5334, 5598, 5274, 5440, 5462, 5303, 5634, 5432, 5649, 5281, 5528, 5268, 5380, 5719, 5616, 5392, 5286, 5505, 5477, 5534, 5661, 5304 (12 hits)
43	9	1.0	333.0	Yes	5291.0MHz, -59.4dBm	5658, 5528, 5688, 5649, 5517, 5536, 5525, 5400, 5471, 5532, 5513, 5571, 5543, 5621, 5547, 5272, 5630, 5451, 5482, 5265, 5544, 5675, 5430, 5572, 5567,

						5554, 5559, 5509, 5469, 5254, 5473, 5657, 5586, 5449, 5261, 5632, 5480, 5268, 5297, 5698, 5378, 5519, 5685, 5296, 5476, 5593, 5384, 5629, 5576, 5446, 5425, 5334, 5357, 5645, 5376, 5521, 5638, 5424, 5477, 5592, 5464, 5379, 5427, 5677, 5302, 5426, 5527, 5553, 5271, 5459, 5436, 5395, 5364, 5418, 5493, 5516, 5714, 5613, 5433, 5584, 5501, 5331, 5397, 5504, 5674, 5257, 5369, 5712, 5695, 5581, 5280, 5711, 5327, 5269, 5514, 5416, 5338, 5396, 5475, 5354 (9 hits)
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Appendix C Test Data Tables and Plots for Channel Closing**FCC PART 15 SUBPART E DATA, 20 MHz Bandwidth**

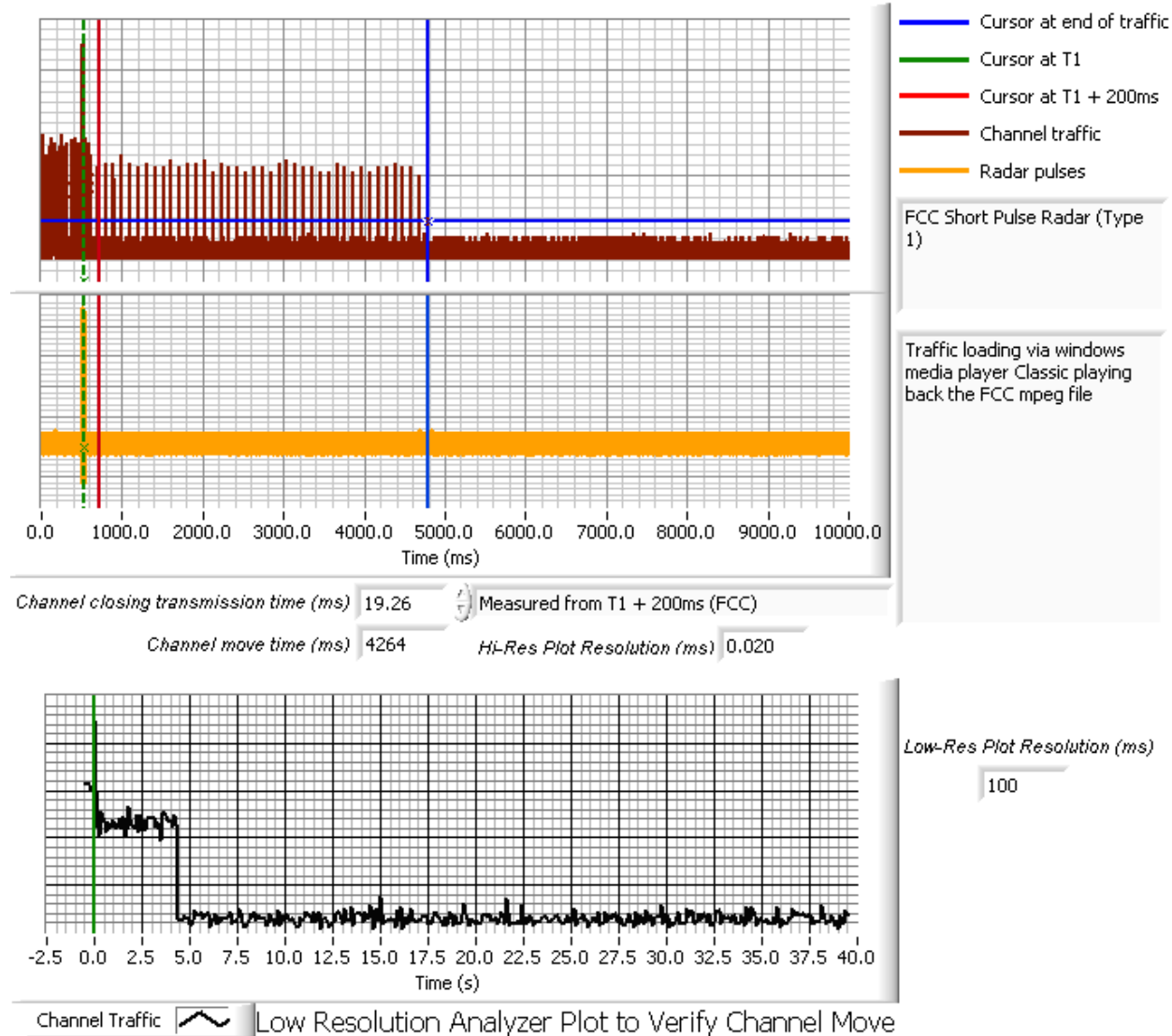
Waveform Type	Channel Closing Transmission Time ¹		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	19.26ms	60 ms	4.26 s	10 s	Pass
Radar Type 5	0 ms	60 ms	0 s	10 s	Pass

Table 76 FCC Part 15 Subpart E Channel Closing Test Results

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

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

Elliott Timing Plots - Channel Closing



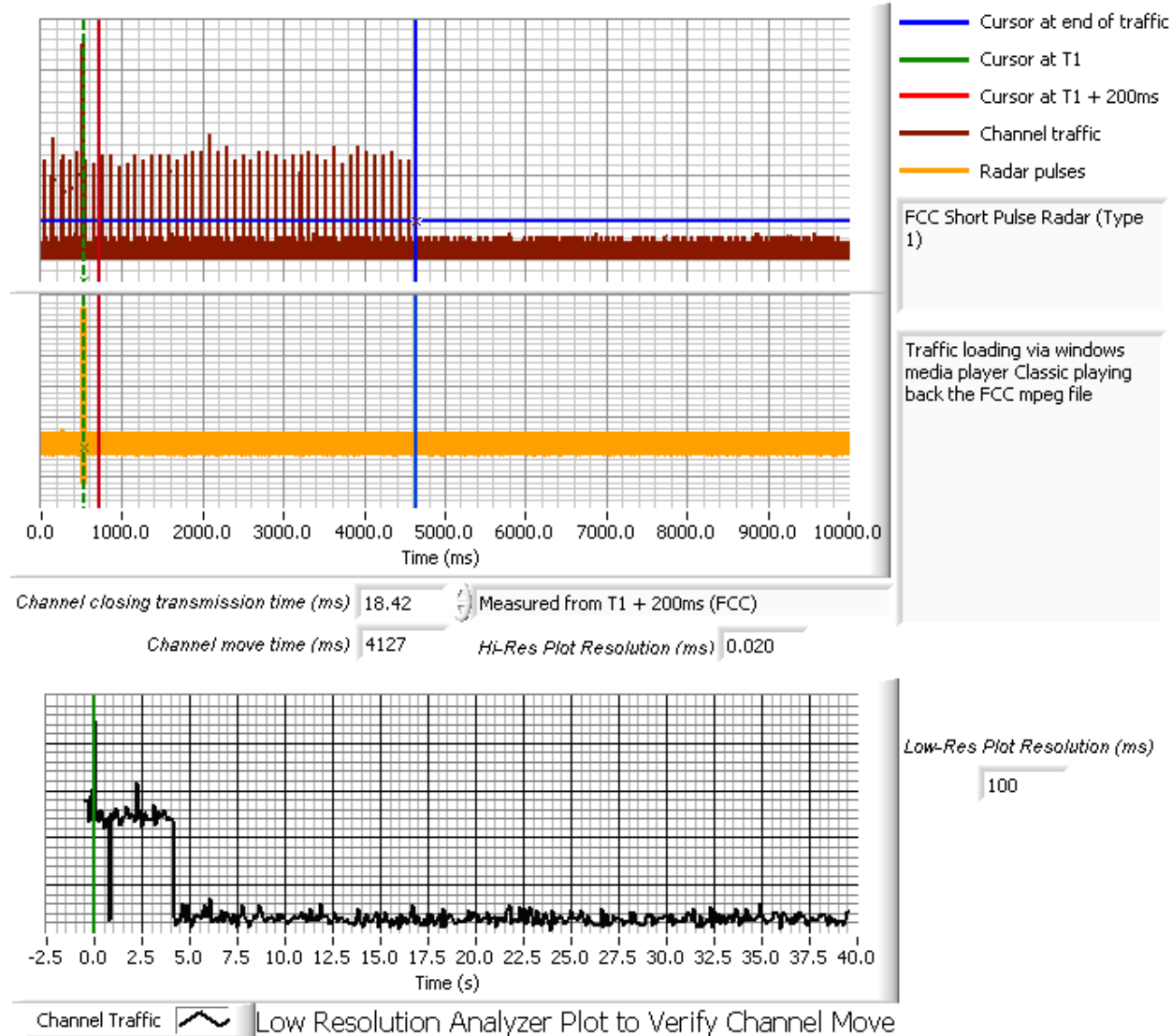
Radar type 1 20MHz (MCS0) with a 10000ms window

Elliott Timing Plots - Channel Closing



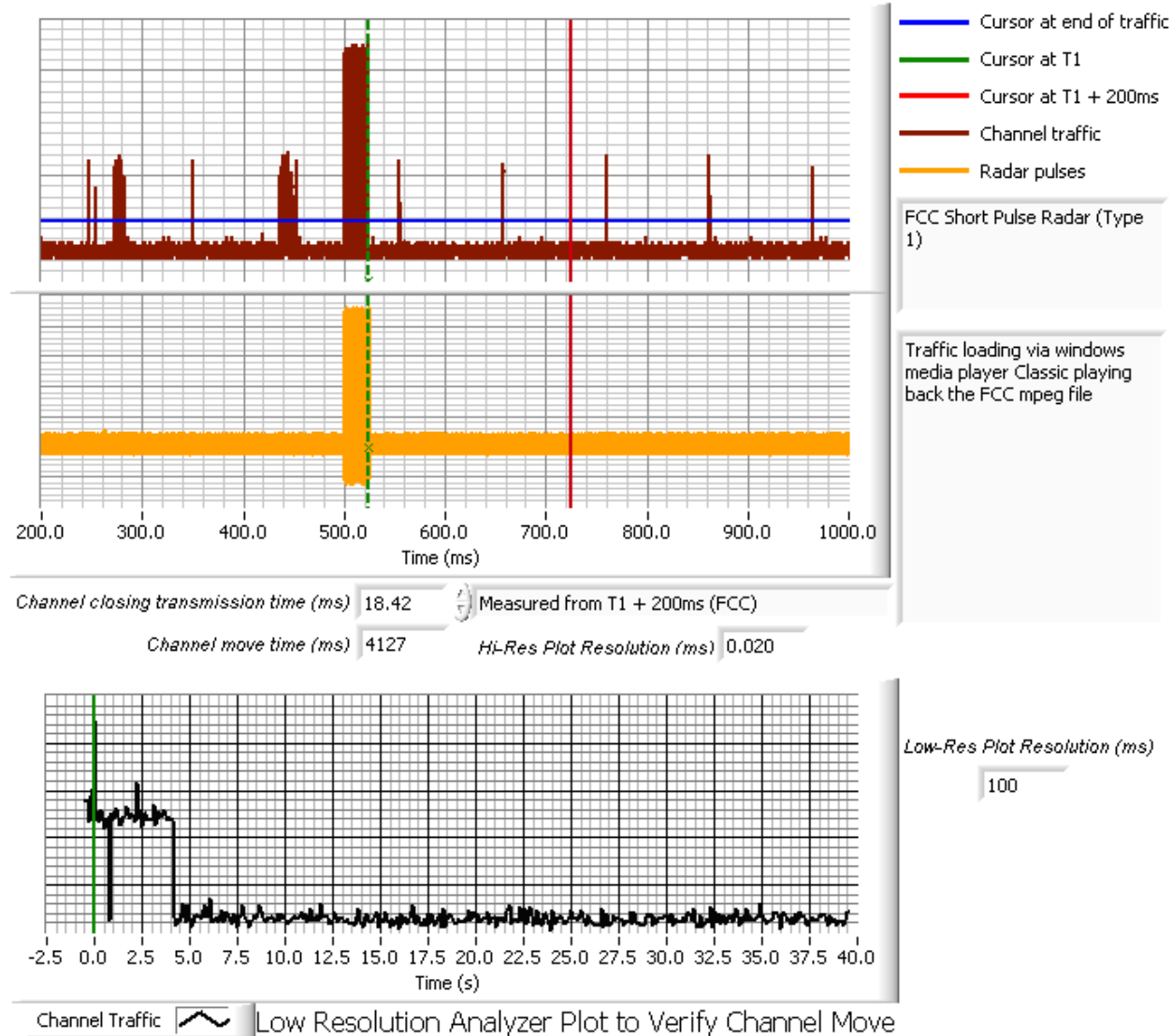
Radar type 1 20MHz (MCS0) with a 1000ms window

Elliott Timing Plots - Channel Closing



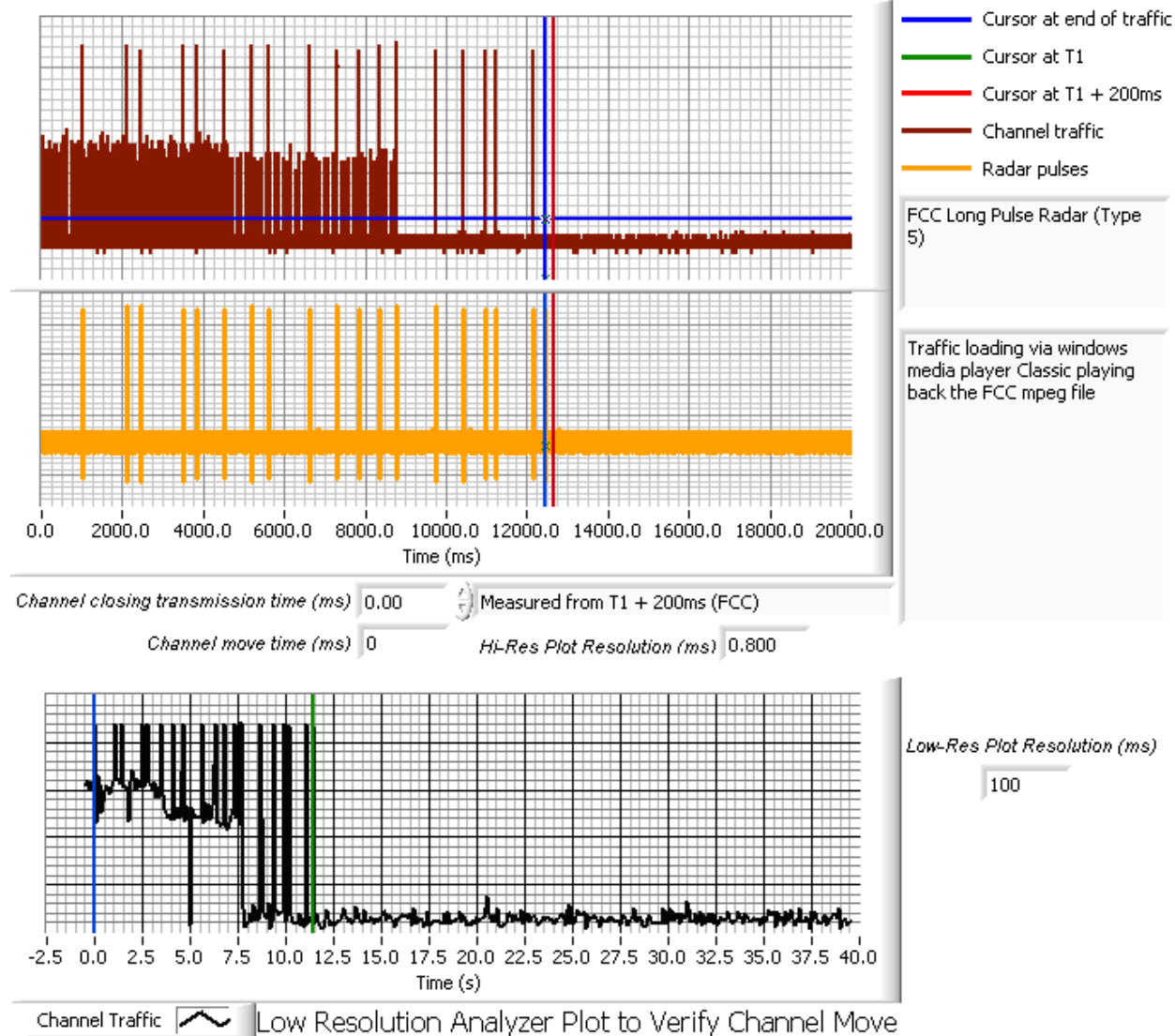
Radar type 1 20MHz (MCS15) with a 10,000ms window

Elliott Timing Plots - Channel Closing



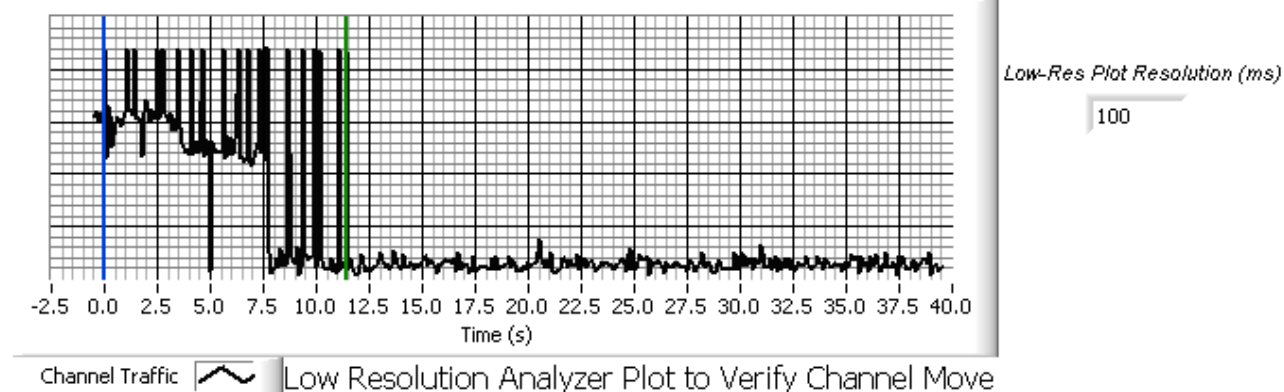
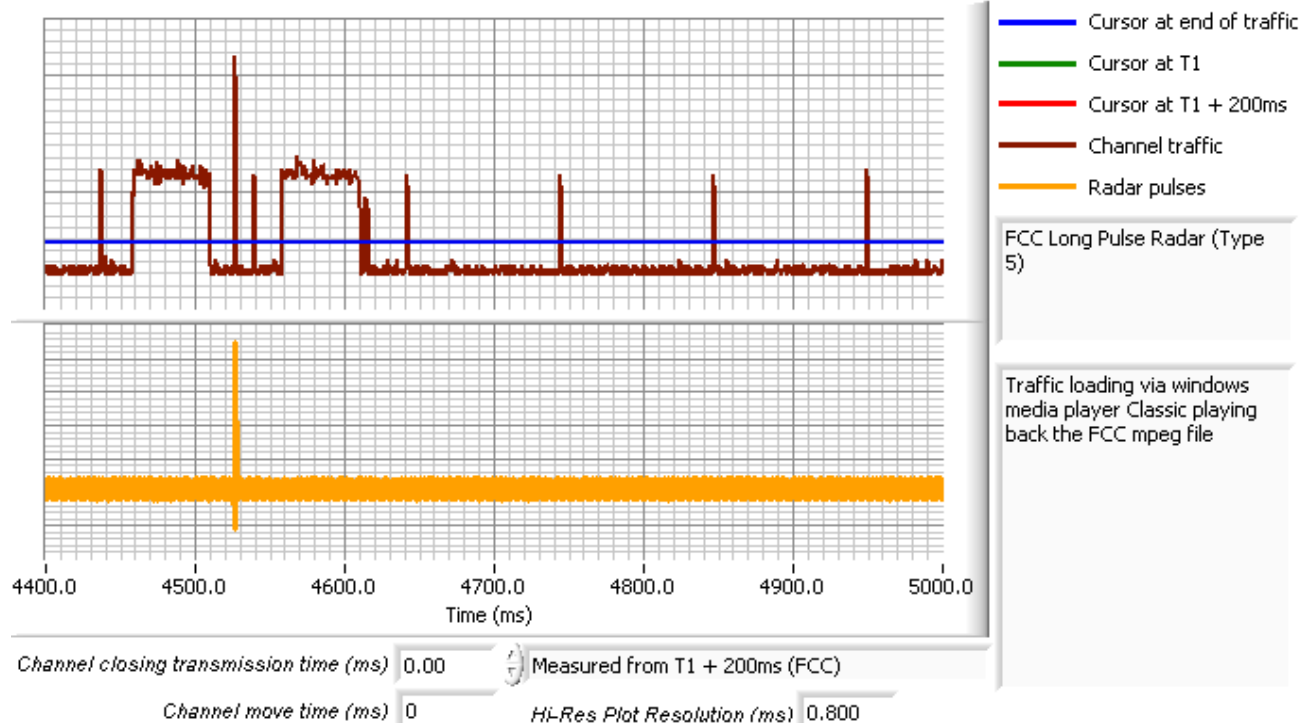
Radar type 1 20MHz (MCS15) with a 1000ms window

Elliott Timing Plots - Channel Closing



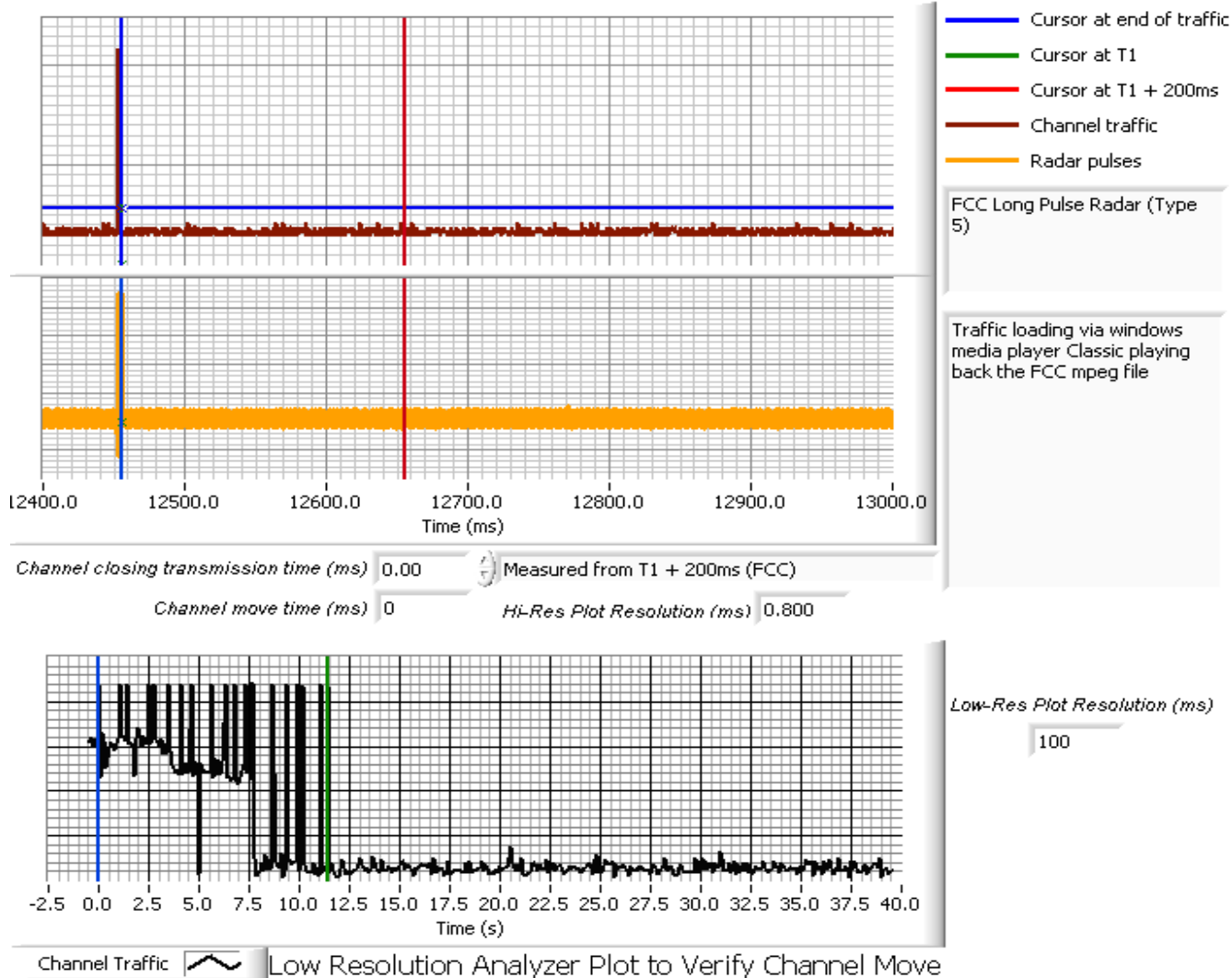
Radar type 5 20MHz (MCS1) with a 20,000ms window

Elliott Timing Plots - Channel Closing



Radar type 5 20MHz (MCS1) with a Zoom1 in windows

Elliott Timing Plots - Channel Closing



Radar type 5 20MHz (MCS1) with a Zoom2 in windows

FCC PART 15 SUBPART E DATA, 40 MHz Bandwidth

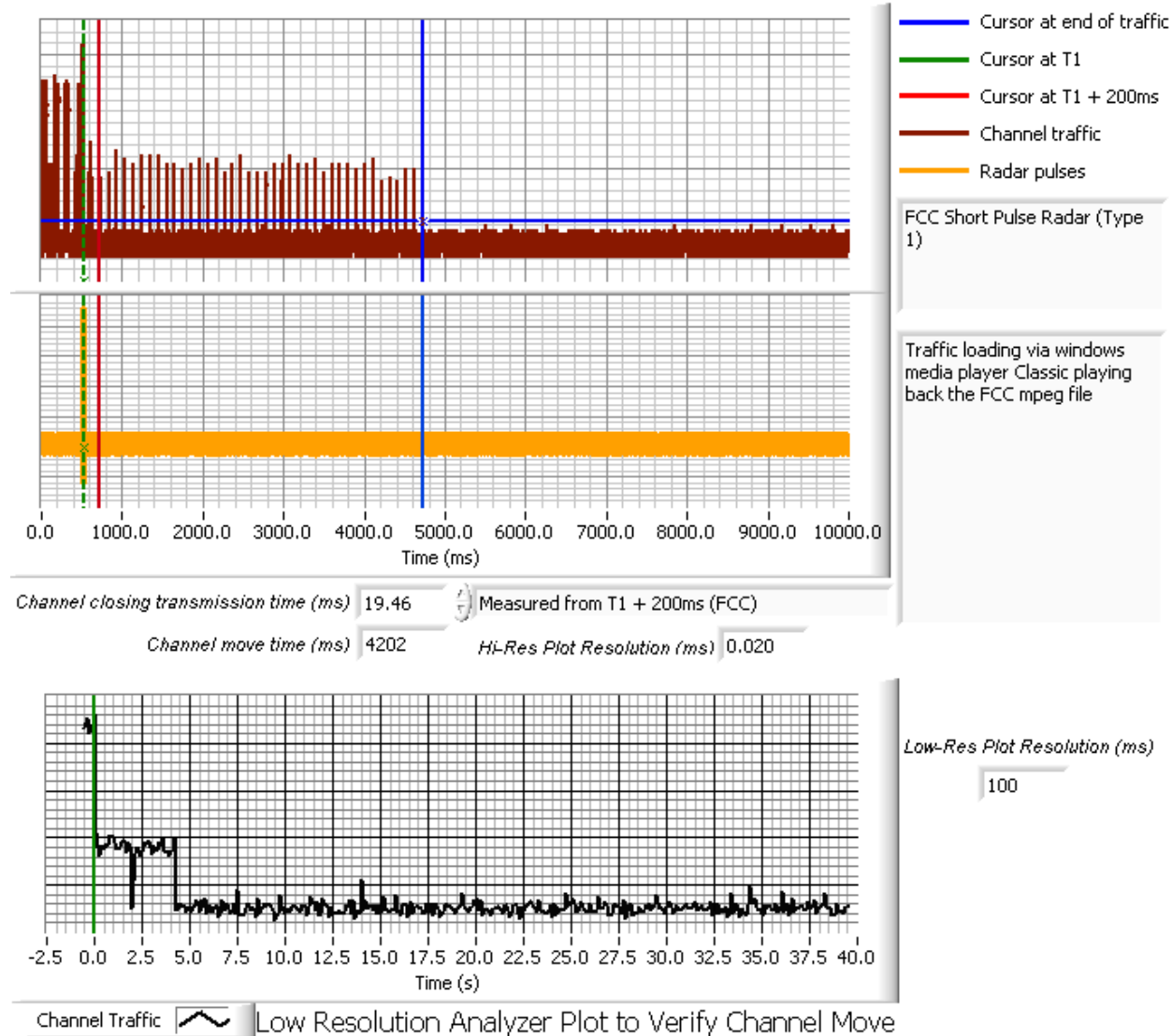
Waveform Type	Channel Closing Transmission Time ¹		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	19.46 ms	60 ms	4.2 s	10 s	Pass
Radar Type 5	0 ms	60 ms	0 s	10 s	Pass

Table 77 FCC Part 15 Subpart E Channel Closing Test Results

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

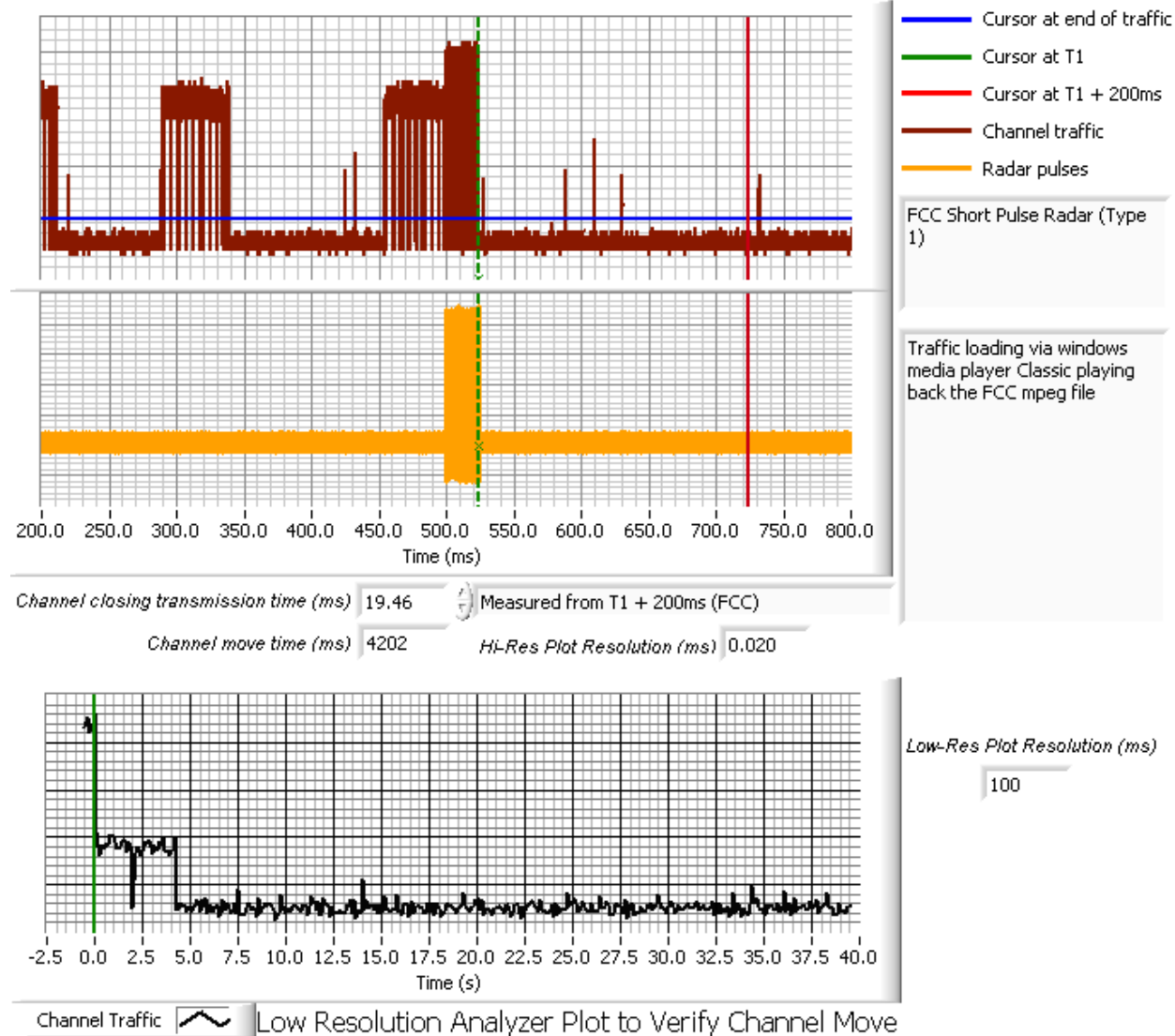
¹ Channel closing time for FCC measurements is the aggregate transmission time starting from 200ms after the end of the radar signal to the completion of the channel move.

Elliott Timing Plots - Channel Closing



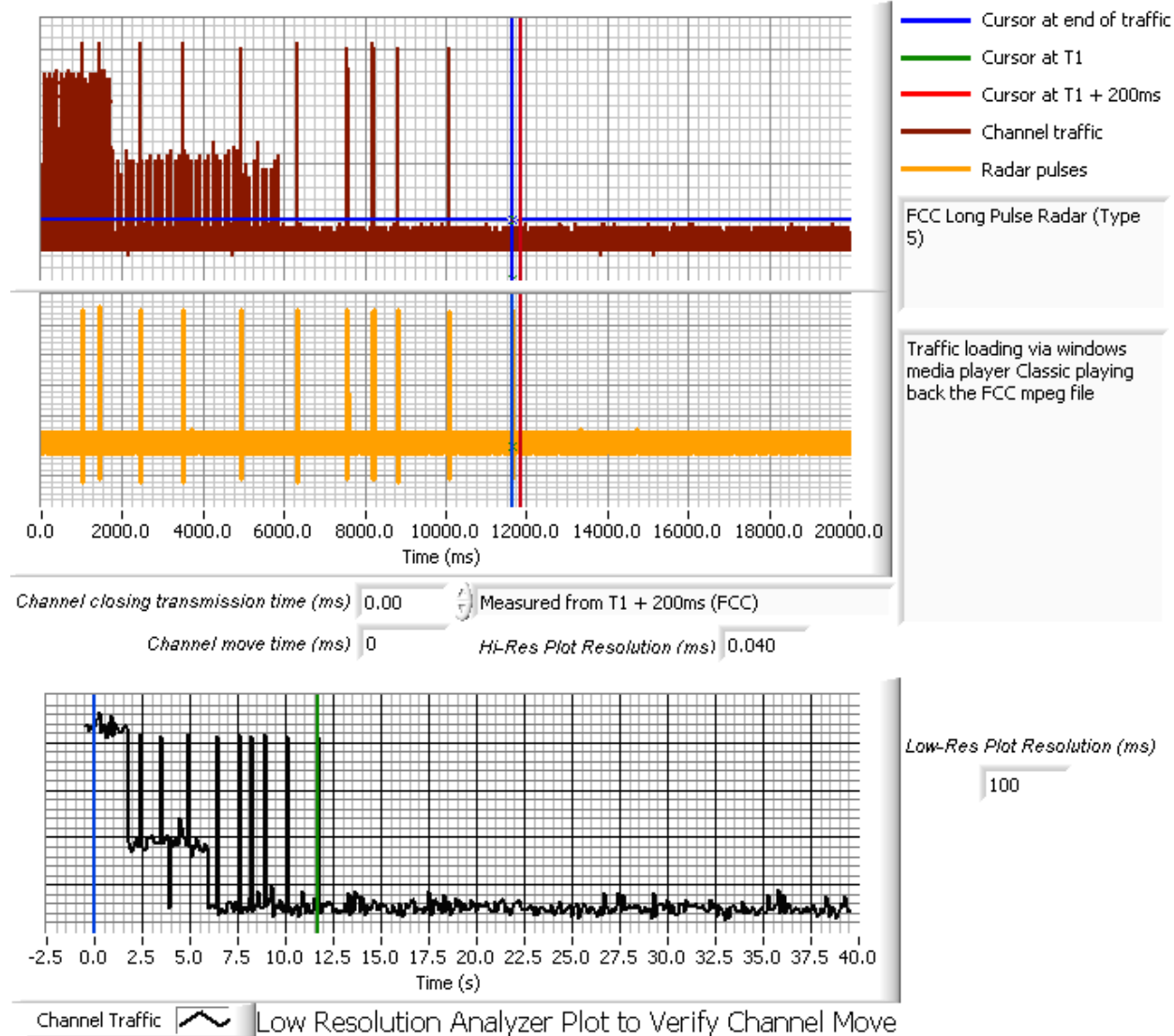
Radar type 1 40MHz (MCS0) with a 10,000 window

Elliott Timing Plots - Channel Closing



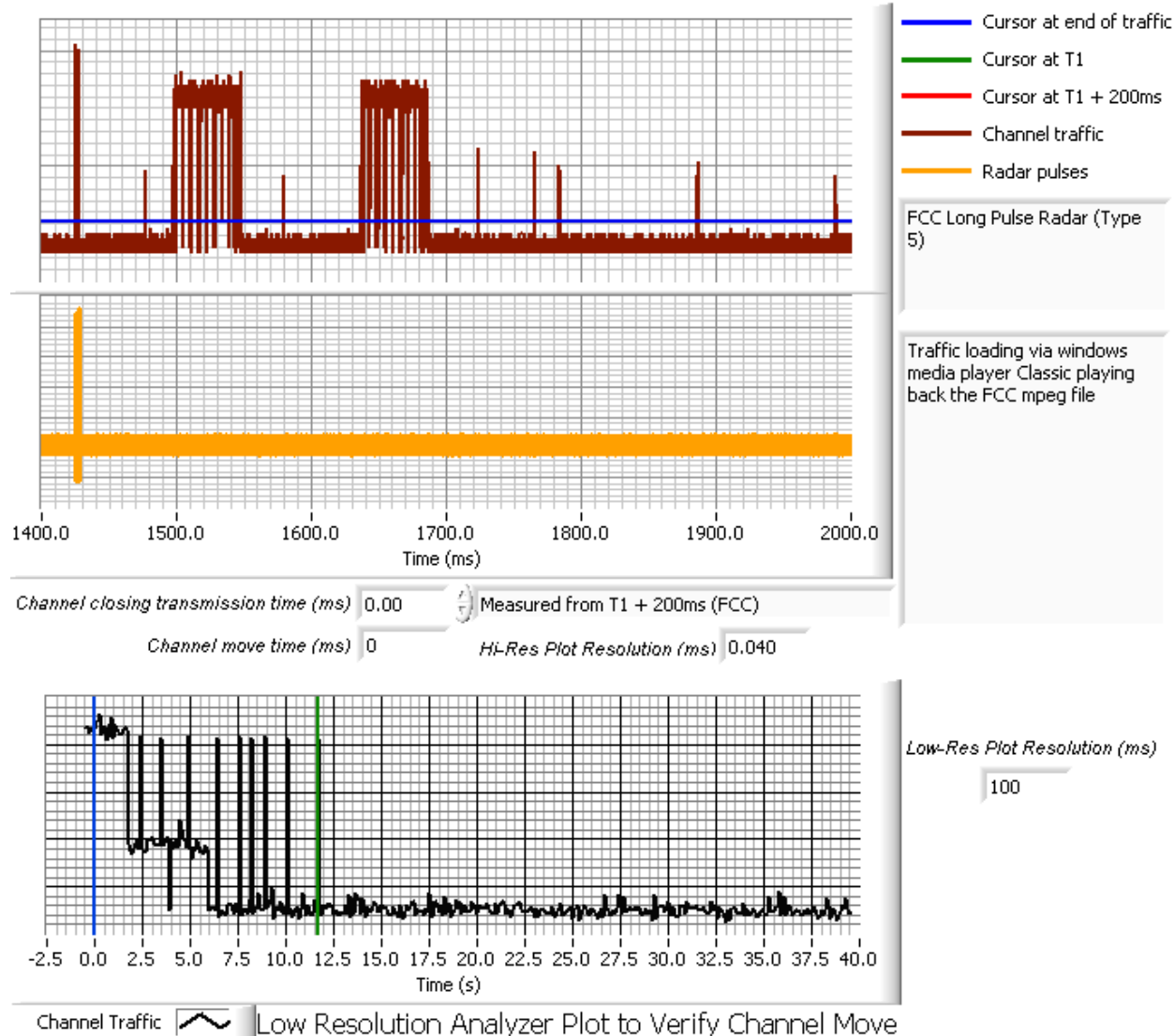
Radar type 1 40MHz (MCS0) with a 1000 window

Elliott Timing Plots - Channel Closing



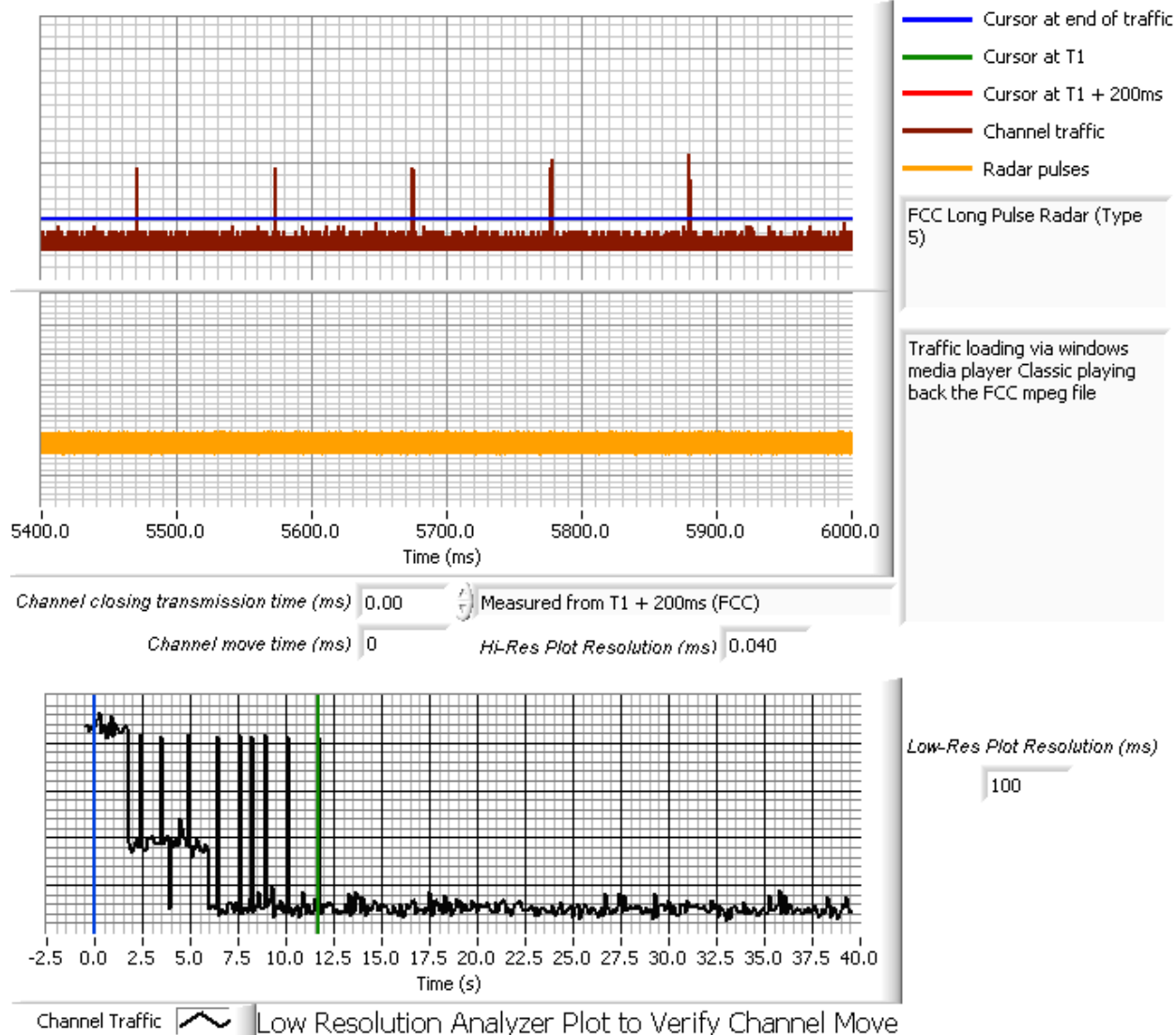
Radar type 5 40MHz (MCS0) with a 10,000 window

Elliott Timing Plots - Channel Closing



Radar type 5 40MHz (MCS0) with a Zoom1 window

Elliott Timing Plots - Channel Closing



Radar type 5 40MHz (MCS0) with a Zoom2 window

Appendix D Test Data – Channel Availability Check

The first plot is to show that the master did not emit beacon, control, or data signals on the test channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test channel. This test does not use any Radar Waveforms and per standard only needs to be performed one time.

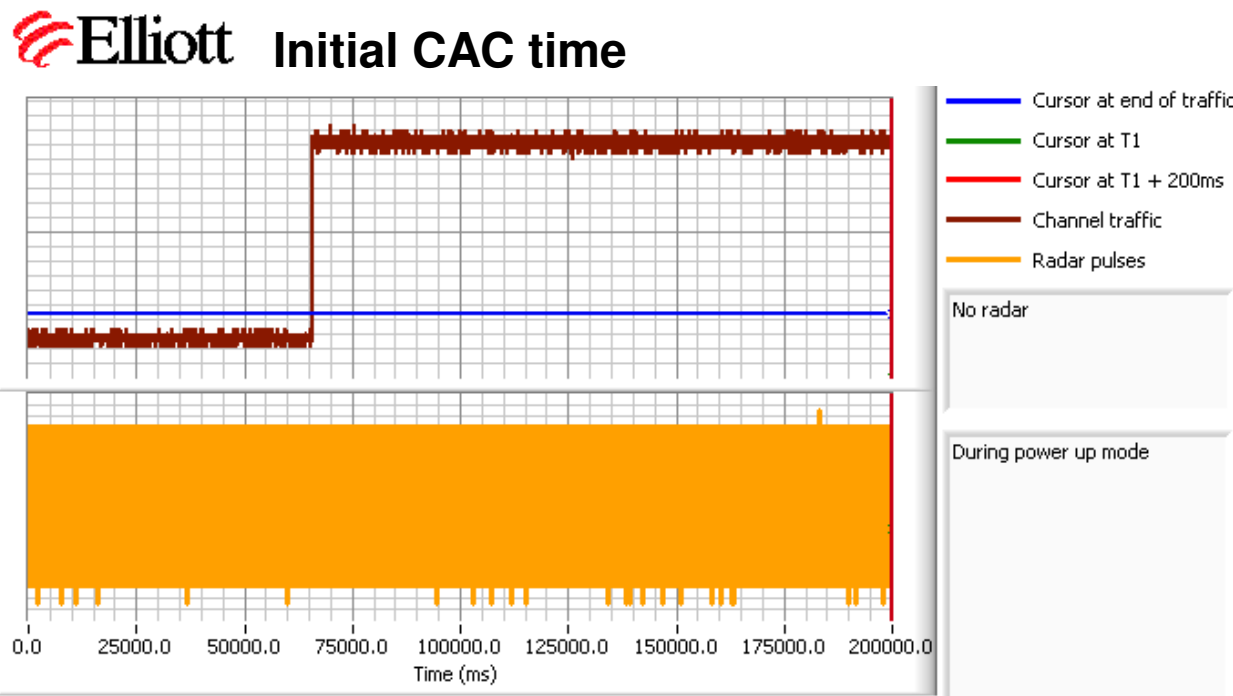
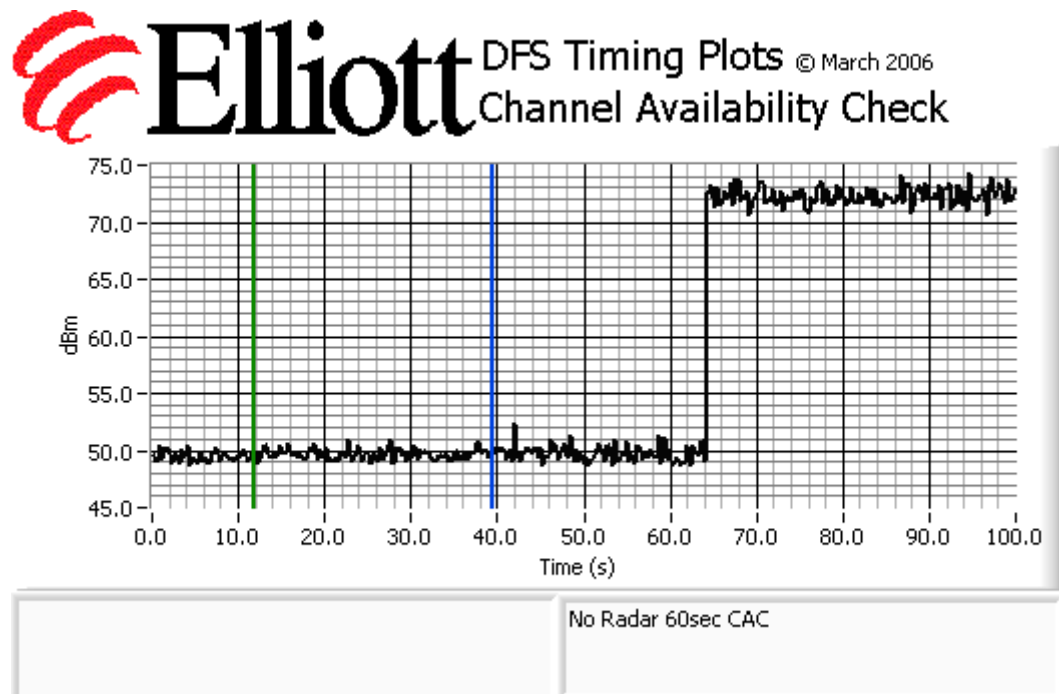


Figure 3 Plot of EUT Start-Up After CAC

The following plot shows the start of transmissions approximately 69s after the start of the CAC (no radar applied during the CAC).



The channel availability check (CAC) was made by applying radar types 1 during either the first 6 seconds or last 54 seconds of the CAC period.

The level of the radar signal applied was -59.4dBm . Measurements were made on channel 60 (5300 MHz) and also on channel 54 (5270 MHz).

The start of each plot is the same for each of the plots and is set to coincide with the start of the Channel Availability Check period.

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.

Elliott Timing Plots - Channel Closing

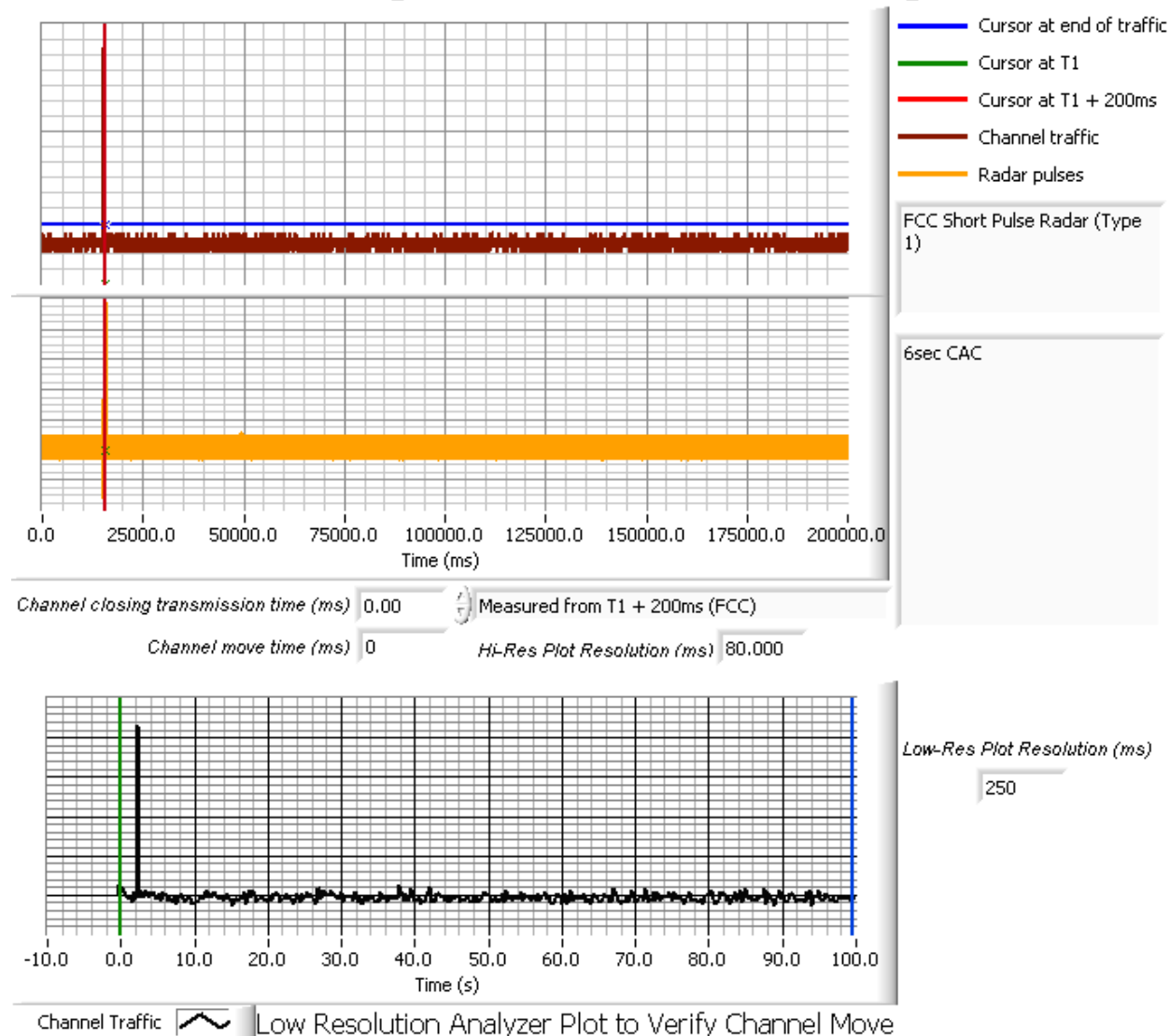


Figure 4 Plot of EUT Beginning of CAC (6 seconds)

Elliott Timing Plots - Channel Closing

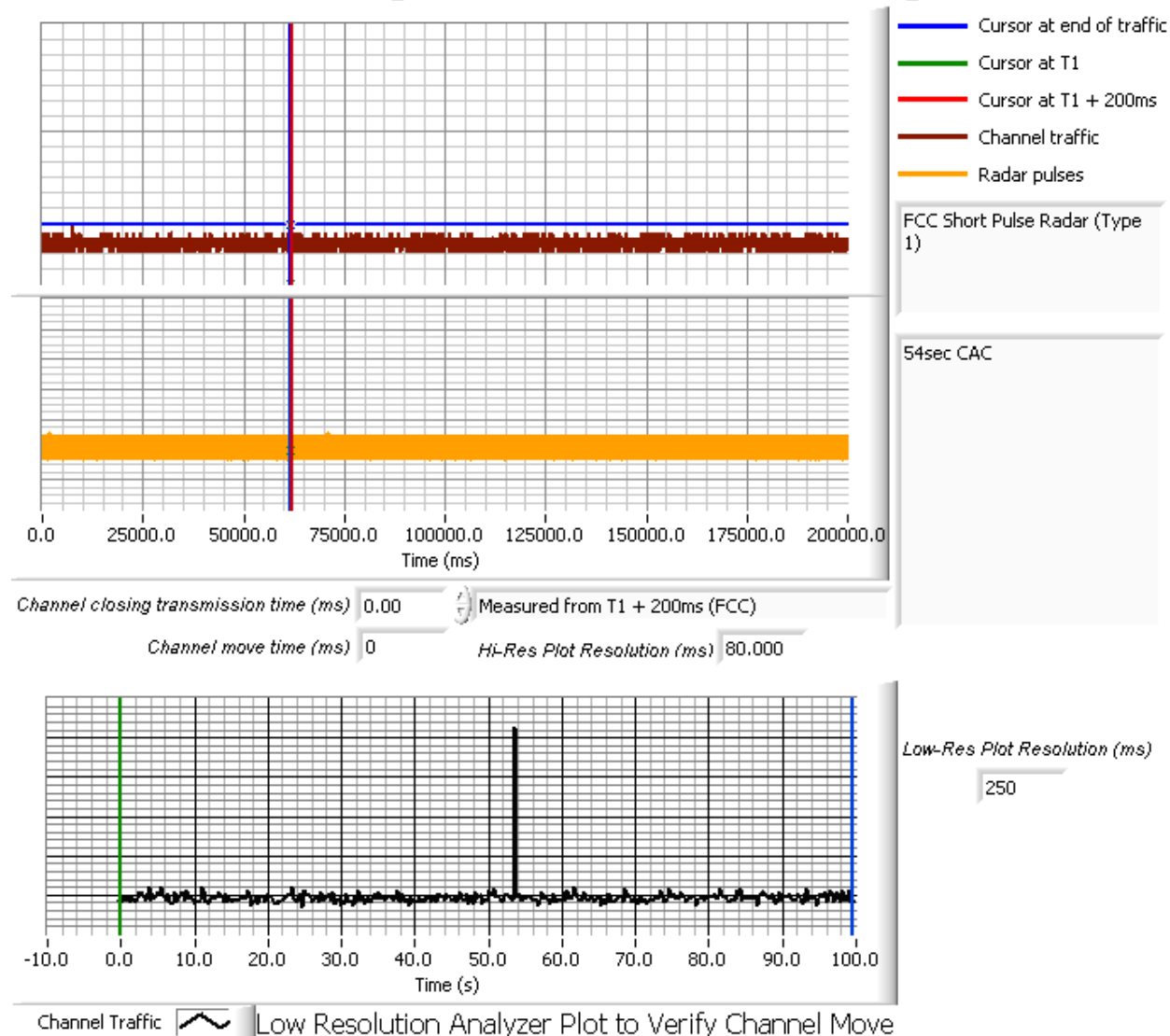


Figure 5 Plot of EUT Ending of CAC (54 seconds)

Appendix E Test Data – Uniform Loading

The radio employs a DFS function to provide on aggregate a Uniform Spreading of the operating channels across the channels contained in the bands 5250-5350MHz and 5470-5725MHz

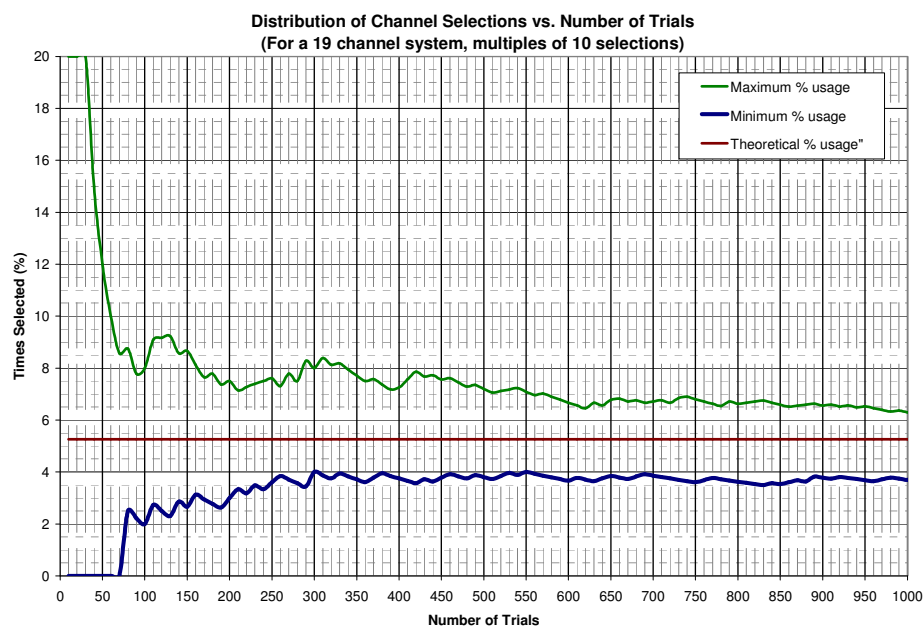


Figure 4 Expected Loading For a 19 Channel System (1,000 Trials)

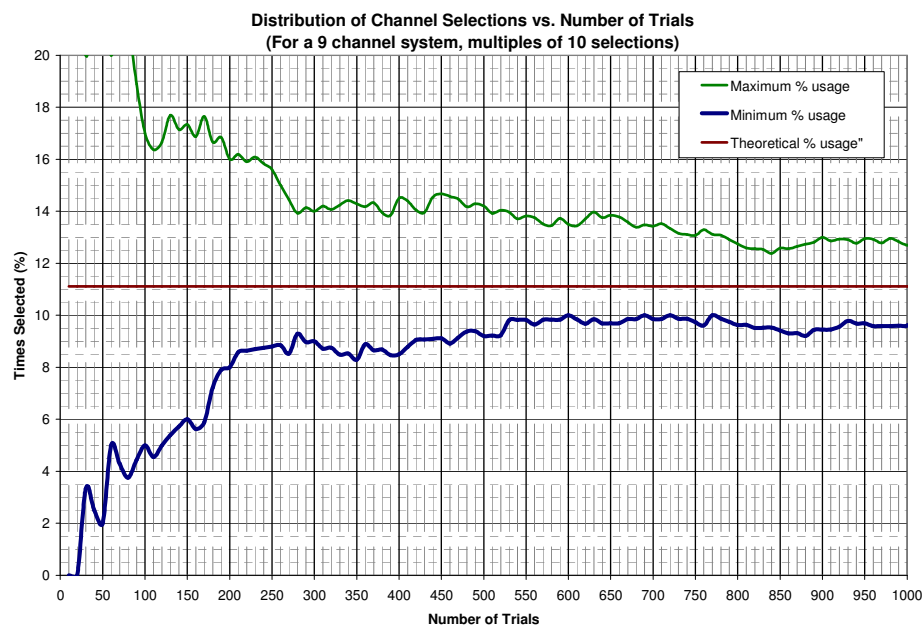


Figure 5 Expected Loading For a 9 Channel System (1,000 Trials)

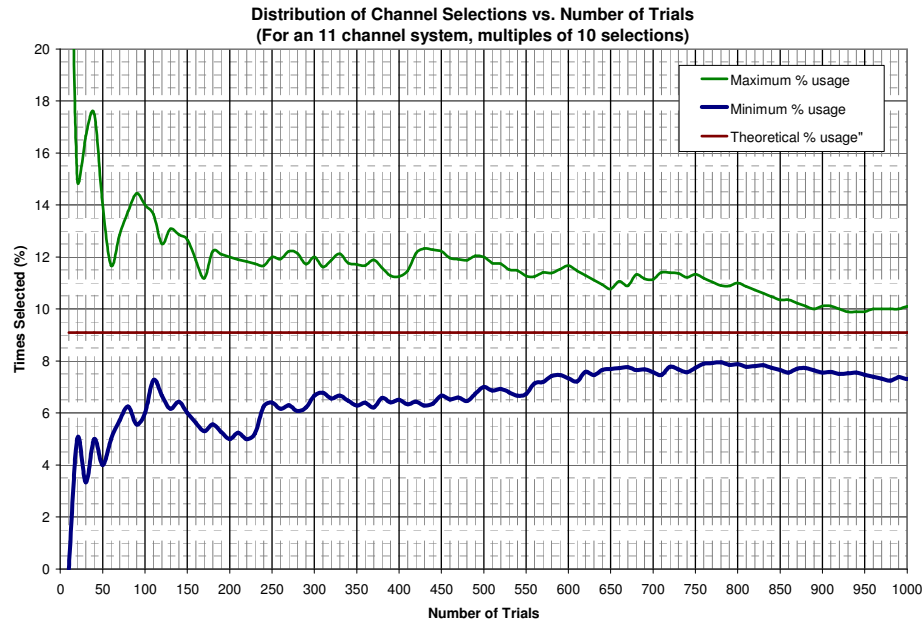


Figure 6 Expected Loading For a 11 Channel System (1,000 Trials)

For a trial size of 50, the expected distribution would be that each channel would be selected between 0% and 12% of the total number of trials. As the actual data of each channel being selected (between 2% and 10% of the time), falls within these bounds it is considered that the device is using a random channel selection algorithm that would produce loading within 10% of the theoretical loading (5.3%).

To obtain a reading within 10% of the theoretical loading on all channels could require somewhere in excess of 6000 trials. Refer to the graph below.

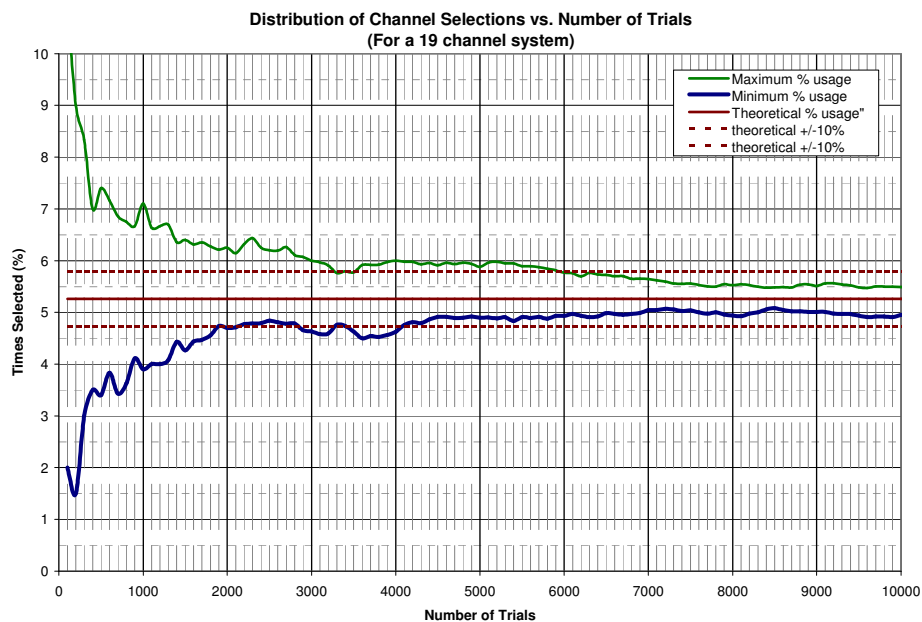


Figure 7 Expected Loading For a 19 Channel System (10,000 Trials)

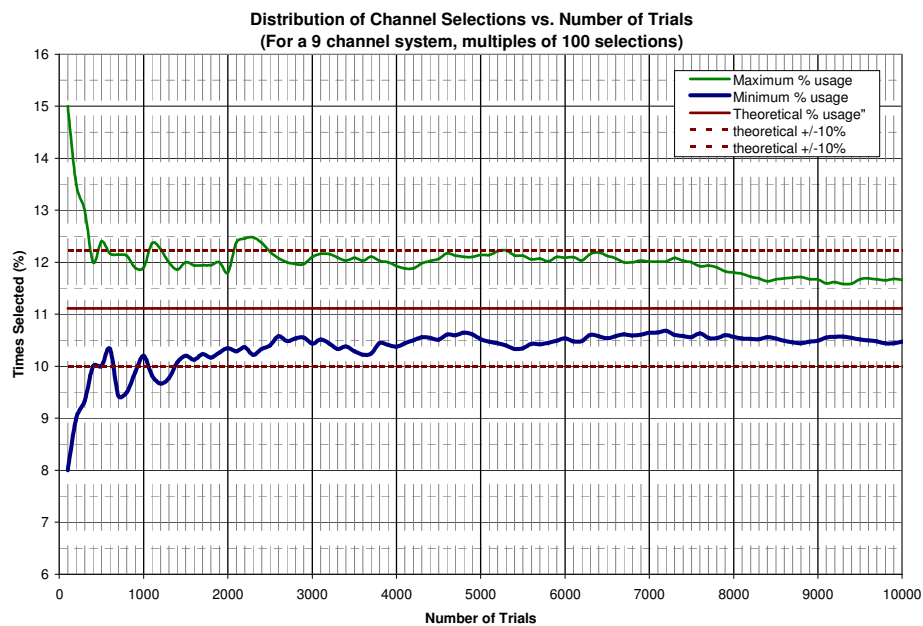


Figure 8 Expected Loading For a 9 Channel System (10,000 Trials)

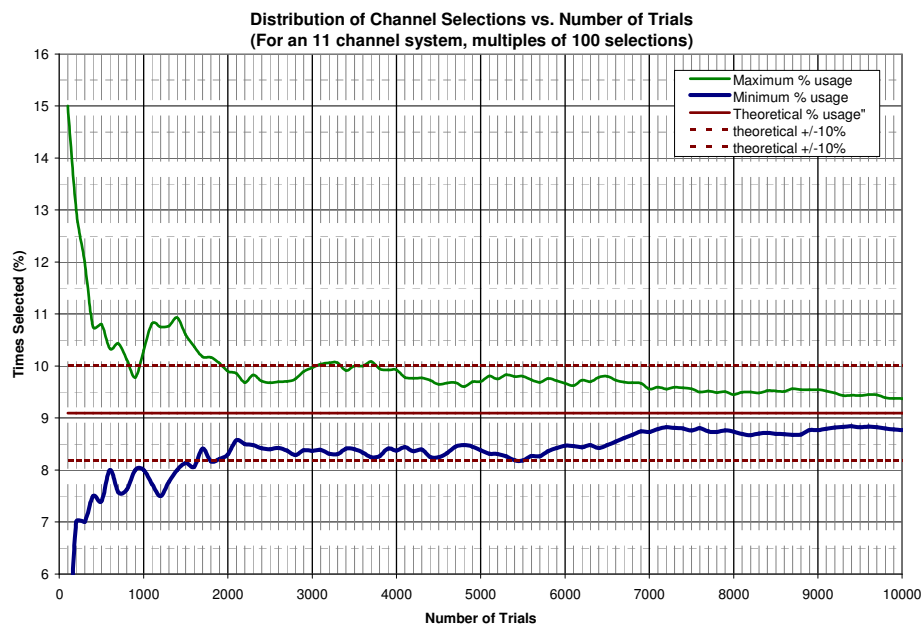


Figure 9 Expected Loading For a 11 Channel System (10,000 Trials)

Appendix F Bandwidth Detection

Frequency MHz Percentage detection

5247		0
5248	FL	100
5249		100
5250		100
5251		100
5252		100
5253		100
5254		100
5255		100
5256		100
5257		90
5258		100
5259		100
5260		100
5261		100
5262		100
5263		100
5264		100
5265		100
5266		100
5267		100
5268		100
5269		100
5270		100
5271		100
5272		100
5273		100
5274		100
5275		100
5276		100
5277		100
5278		100
5279		100
5280		100
5281		100
5282		100
5283		100
5284		100
5285		100
5286		100
5287		100
5288		100
5289		100
5290		100
5291	FH	100
5292		60
5293		0

99% BW: MHz

Fl	Fh	Det. BW	Limit ^{note 1}
(MHz)	(MHz)	(MHz)	(MHz)
5248	5291	43	0.0

Note 1: Minimum 80% of the UNII
99% transmission power
bandwidth.

Center of Channel

Frequency MHz Percentage detection

5287 0

5288 0

5289 0

5290FL 100

5291 100

5292 100

5293 100

5294 100

5295 100

5296 100

5297 100

5298 100

5299 100

5300 100

5301 100

5302 100

5303 100

5304 100

5305 100

5306 100

5307 100

5308 100

5309 100

5310FH 100

5311 0

5312 0

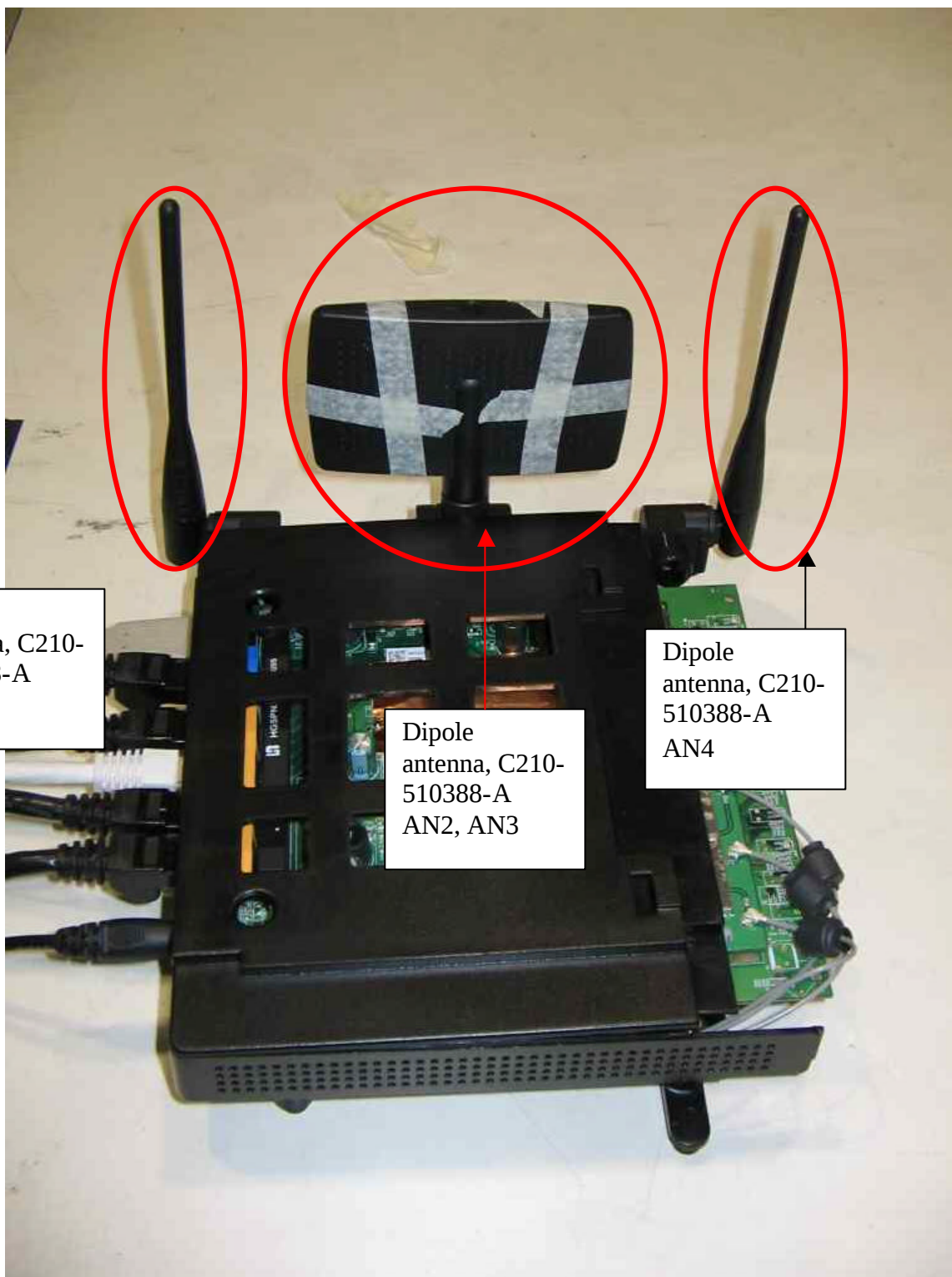
99% BW: MHz

Fl	Fh	Det. BW	Limit ^{note 1}
(MHz)	(MHz)	(MHz)	(MHz)
5290	5310	20	0

Note 1: Minimum 80% of the UNII
99% transmission power
bandwidth.

Center of Channel

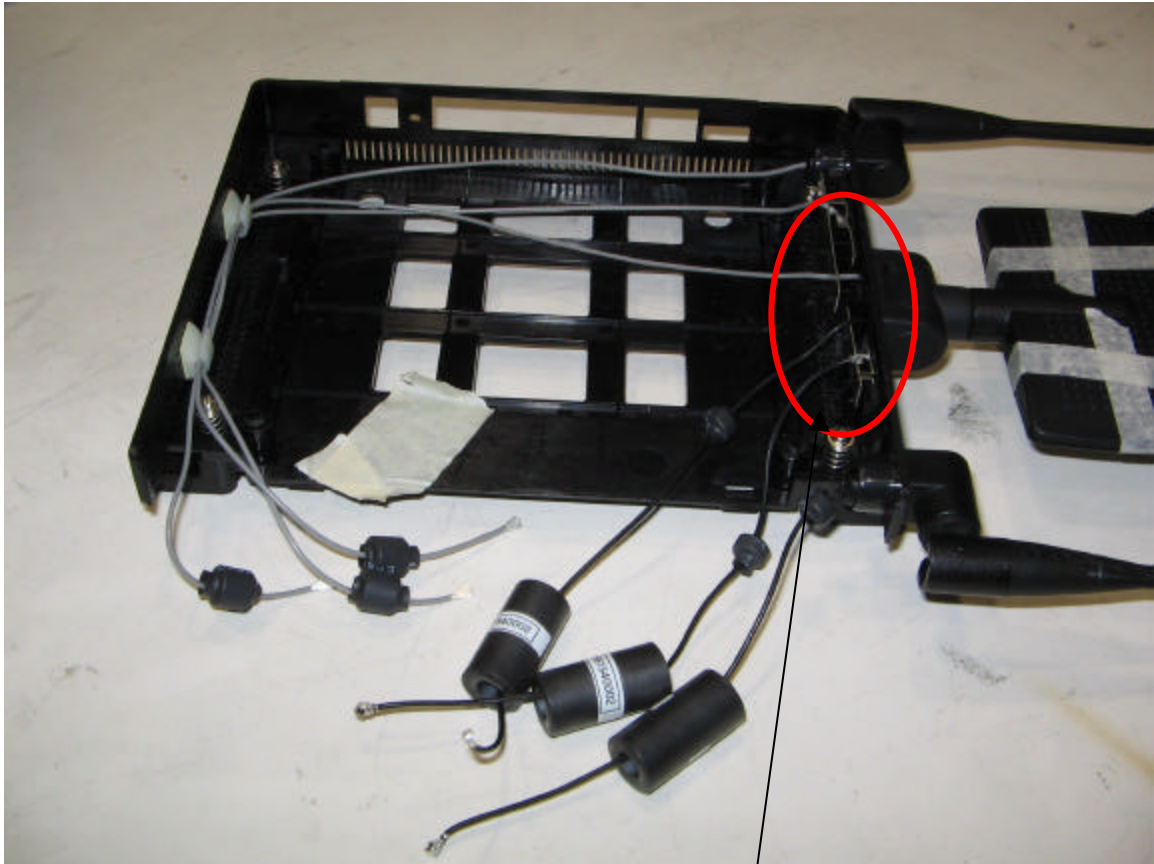
Appendix G Antenna Specification Sheet



Dipole
antenna, C210-
510388-A
AN1

Dipole
antenna, C210-
510388-A
AN2, AN3

Dipole
antenna, C210-
510388-A
AN4



PIFA antenna, C210-510391-A & C210-510389-A.

You can see the antenna drawing the spec files.



WHA YU INDUSTRIAL CO., LTD. (HEAD OFFICE)
DONGGUAN AEON TECH CO.,LTD.(CHINA)
TAI HWA ELECTRONIC CO., LTD.(CHINA)
SHANGHAI HUA YU ELECTRONIC CO., LTD.(CHINA)
SU ZHOU AEON TECH CO., LTD. (CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: 正文科技股份有限公司

PART NAME: RF Antenna Cable Assembly

PART NO.:

REVISION:

W. Y. P/NO.: C210-510391-A

REV.: X2

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :	Winston 	
DATE :	02/08/14 	

WHA YU GROUP

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華弘國際有限公司

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RF Antenna Cable Assembly

Specification

1. Electrical Properties :

- 1.1 Frequency Range..... 4.9GHz ~ 5.825GHz
- 1.2 Impedance 50 Ω Nominal
- 1.3 VSWR 1.92 Max.
- 1.4 Return Loss..... -10 dB Maximum
- 1.5 Radiation Directional
- 1.6 Gain(peak)..... 5GHz 3.9dBi (including Cable loss)

- 1.7 Cable Loss..... 5G : 0.85dB

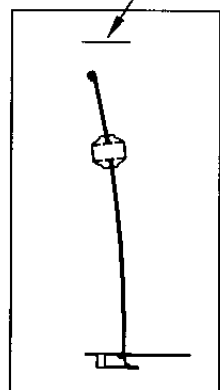
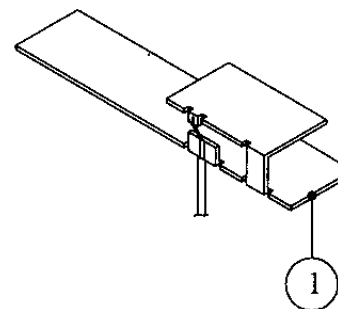
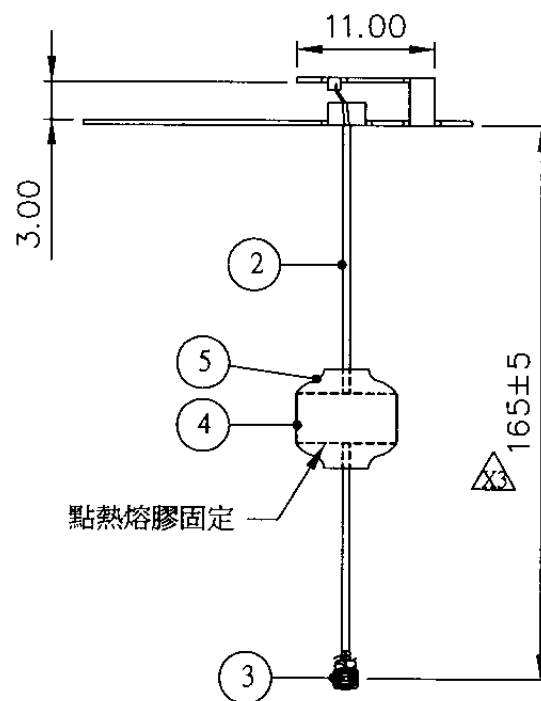
- 1.8 Polarization..... Linear Vertical
- 1.9 Admitted Power..... 1W

2. Physical Properties :

- 2.1 Cable..... ϕ 1.32 Coaxial Cable
- 2.2 Operating Temp. -20 ~ +65
- 2.3 Storage Temp. -30 ~ +75
- 2.4 PIFA..... Copper
- 2.5 Connector..... HRS Connector

CG-

REV	DATE	DESCRIPTION
X1	11/21-2006	New Issue
X2	12/14-2006	Add core, modify length
X3	1/4-2007	modify cable&PIFA
X4	4/4-2007	modify H.S Tube color



釘書針

Packing : 1 pcs/bag
(每10袋用釘書機訂起來)

NO	DESCRIPTION	QTY	REMARK
5	H.S Tube	Heat Shrink Tube ; Blue	1
4	Core	K5B 8*4*4mm	1
3	Connector	HRS Connector	1
2	Cable	ø1.32 Coaxial Cable ; Black	1
1	PIFA	Copper	1

CUSTOMER'S SIGNATURE

XX.	±5	APPROVED
X.	±3.0	CHECKED
.X	±1.0	DRAWING
.XX	±0.5	
.XXX	±0.1	
⊕		

CUSTOMER:		正文	
PART NO :			
PARTNAME:		PIFA Antenna	
W.Y P/NO :		C210-510391-A	
REV	UNIT	FILE :	
X4	m/m	SHEET : 1/1	

M.gear Wha Yu Group

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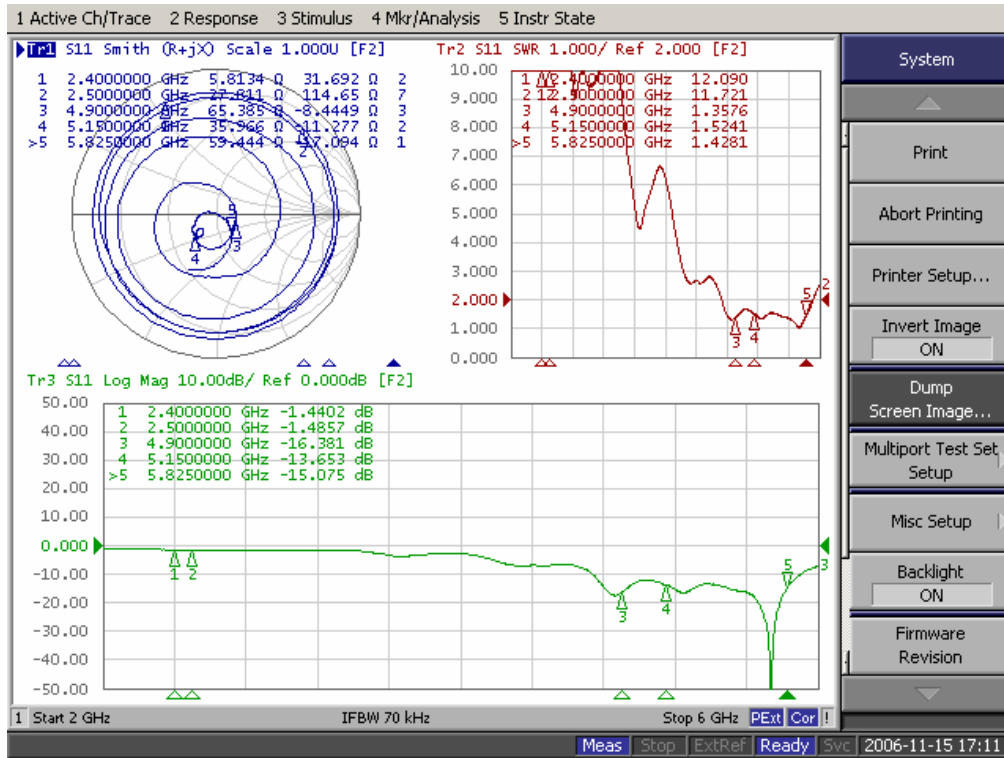


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WHA YU INDUSTRIAL CO., LTD

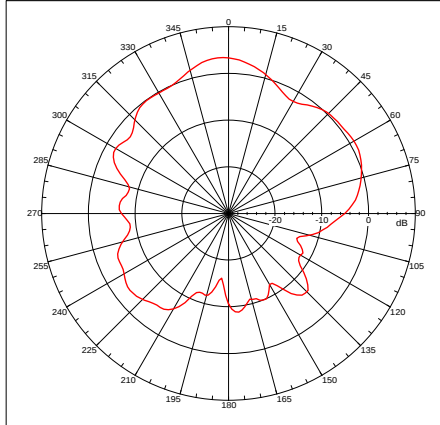
RF Antenna Assembly

P/NO : C210-510391A



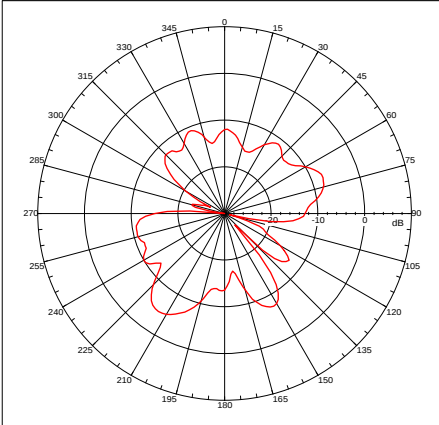
RF Antenna Assembly
P/NO : C210-510391-A SPEC :5GHz

Far-field amplitude of 5G-PIFA-H.nsi



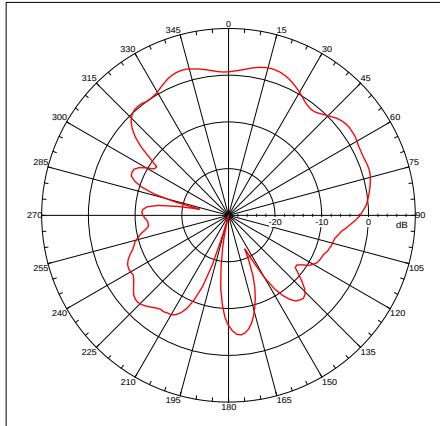
4.9GHz Gain = 3.41142 dBi

Far-field amplitude of 5G-PIFA-V.nsi



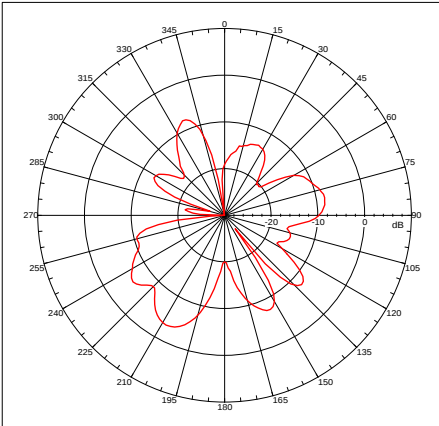
Gain = -4.68568 dBi

Far-field amplitude of 5G-PIFA-H.nsi



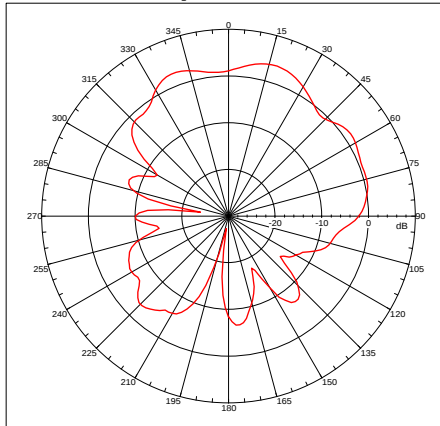
5.15GHz Gain = 2.69709 dBi

Far-field amplitude of 5G-PIFA-V.nsi



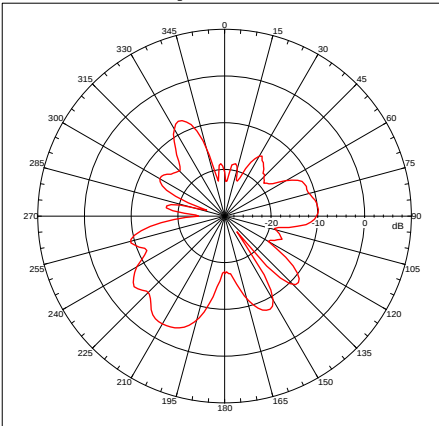
Gain = -3.37781 dBi

Far-field amplitude of 5G-PIFA-H.nsi



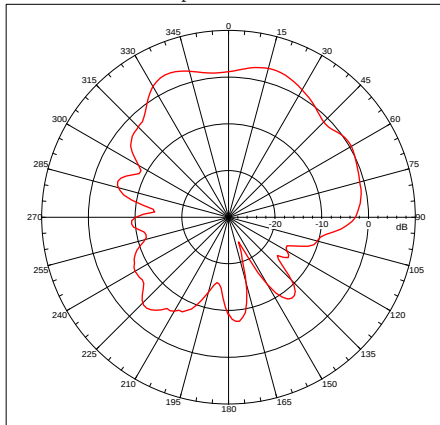
5.25GHz Gain = 3.74096 dBi

Far-field amplitude of 5G-PIFA-V.nsi



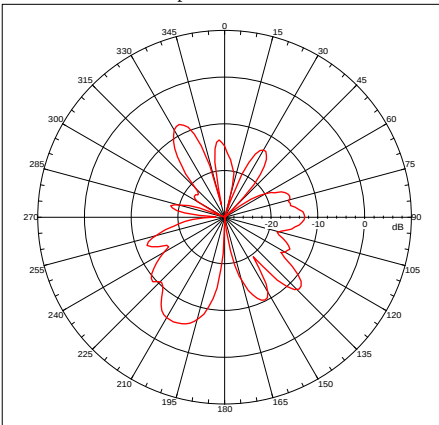
Gain = -3.36081 dBi

Far-field amplitude of 5G-PIFA-H.nsi

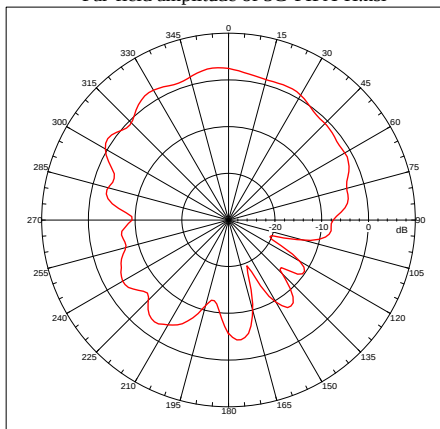


5.35GHz Gain = 3.32047 dBi
Far-field amplitude of 5G-PIFA-H.nsi

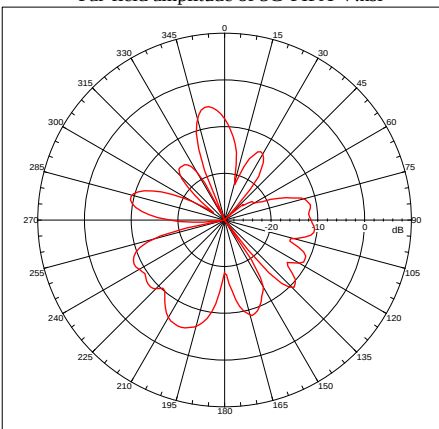
Far-field amplitude of 5G-PIFA-V.nsi



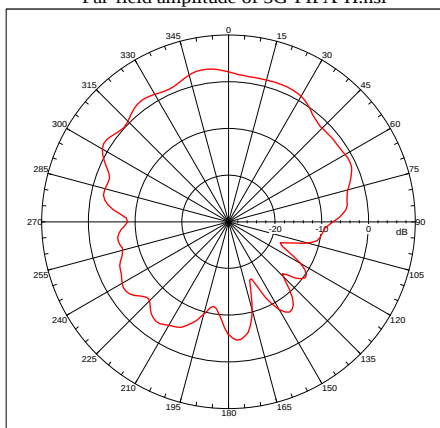
Gain = -5.06414 dBi
Far-field amplitude of 5G-PIFA-V.nsi



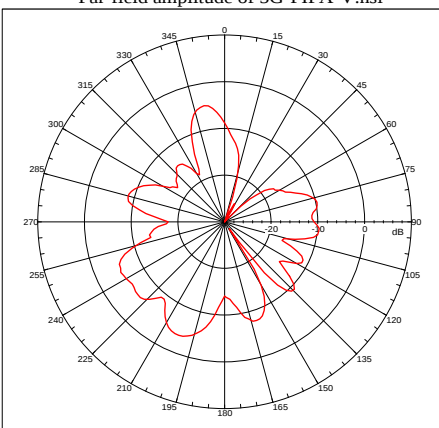
5.725GHz Gain = 2.6845 dBi
Far-field amplitude of 5G-PIFA-H.nsi



Gain = -5.20223 dBi
Far-field amplitude of 5G-PIFA-V.nsi



5.825GHz Gain = 2.9865 dBi



Gain = -3.8171 dBi

Appendix H Test Configuration Photographs

