

TEST REPORT

Covering the DYNAMIC FREQUENCY SELECTION (DFS) REQUIREMENTS OF

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

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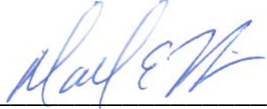
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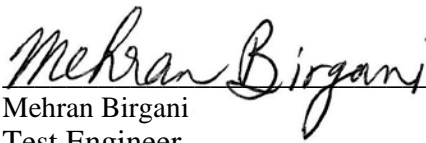
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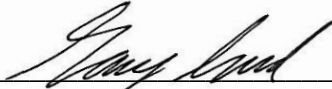
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SCOPE

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

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

Tests were performed in accordance with these standards together with the current published versions of the basic standards referenced therein including FCC KDB 848637 and the appendix to FCC 06-96 MO&O as outlined in NTS Silicon Valley test procedures. The test results recorded herein are based on a single type test of the Xirrus Inc. model XR630 and therefore apply only to the tested sample. The sample was selected and prepared by Lynn Schilder of Xirrus Inc.

OBJECTIVE

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

STATEMENT OF COMPLIANCE

The tested sample of the Xirrus Inc. model XR630 complied with the DFS requirements of FCC Part 15.407(h)(2), RSS-210 Annex 9.3.

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

DEVIATIONS FROM THE STANDARD

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

TEST RESULTS

TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE

Table 1 - FCC Part 15 Subpart E Master Device Test Result Summary XR630 (802.11ac 80MHz)						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5530 MHz	67s	≥ 60s	Appendix D	Pass
CAC Detection Threshold	Type 1	5530 MHz	-64dBm	-64dBm (note 2)	Appendix D	Pass
In-Service Monitoring Detection Threshold	Type 1 through Type 6	5530 MHz	-64dBm (note 2)	-64dBm (note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Varies	± 39MHz	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5530 MHz	0.0ms 0.0ms	≤ 260ms	Appendix C	Pass
Channel move time	Type 1 Type 5	5530 MHz	0.2s 0.0s	≤ 10s	Appendix C	Pass
Non-occupancy period	-	5530 MHz	> 30min	> 30min	Appendix C	Pass
1) Tests were performed using the radiated test method. 2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 5.7dBi. The limit is based on an EIRP of more than 23dBm. 3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.						

Table 2 - FCC Part 15 Subpart E Master Device Test Result Summary XR630 (802.11ac 20MHz)						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
In-Service Monitoring Detection Threshold	Type 1 through Type 6	5500 MHz	-64dBm (note 2)	-64dBm (note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Varies	± 9MHz	80% of the 99% BW	-	Pass
1) Tests were performed using the radiated test method. 2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 5.7dBi. The limit is based on an EIRP of more than 23dBm. 3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.						

Table 3 - FCC Part 15 Subpart E Master Device Test Result Summary XR630 (802.11ac 40MHz)						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
In-Service Monitoring Detection Threshold	Type 1 through Type 6	5510 MHz	-64dBm (note 2)	-64dBm (note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Varies	± 19 MHz	80% of the 99% BW	-	Pass
1) Tests were performed using the radiated test method. 2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 5.7dBi. The limit is based on an EIRP of more than 23dBm. 3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.						

MEASUREMENT UNCERTAINTIES

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

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

EQUIPMENT UNDER TEST (EUT) DETAILS

GENERAL

The Xirrus Inc. model XR630 is an 802.11abgn/ac (3x3) indoor use only access point. The XR630 contains two separate, but identical 3x3 radios. Each radio within the XR630 can operate in any 2.4 or 5GHz band.

Mesh or bridge mode operation is not supported in either device.

Per KDB 531801 (DFS multiple bandwidths), bandwidth detection and statistical tests were performed on all the bandwidth, all other tests (Channel Availability Check, close and move and non-occupancy) were performed on the largest bandwidth.

The samples were received on August 6, 2014 and tested on August 6-26, 2014. The following products were tested:

Manufacturer	Model	Description	Serial Number	FCC ID:
Xirrus	XR630	3x3 Access Point	XR07415029F2	SK6-XR630

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

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

- Master Device 5250-5350 MHz
- Master Device 5470-5725 MHz (Excluding 5600-5650MHz)

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

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	5.7	5.8
Highest Antenna Gain (dBi)	5.7	5.8
EIRP Output Power (dBm)	-	-

- Power can exceed 200mW eirp

Channel Protocol

- IP Based

ENCLOSURE

The EUT enclosure measures approximately 19 centimeters in diameter 5 centimeters height. It is primarily constructed of plastic.

MODIFICATIONS

The EUT did not require modifications during testing in order to comply with the requirements of the standards 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
Hewlet Packard	6910p	Laptop	CND8280MD5	NA
<i>Hewlet Packard</i>	<i>EliteBook</i>	<i>Laptop</i>	<i>2CE408IVGM</i>	<i>PD97260NG</i>

The italicized device was the client device.

EUT INTERFACE PORTS

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

Port	Connected To	Cable(s)		
		Description	Shielded or Unshielded	Length (m)
GIGABIT1/PoE+	Laptop	Cat 5	Unshielded	10

EUT OPERATION

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

Master Device Array OS Version for XR630: 7.1-d31

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 23 seconds after the command to change channel was sent.

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

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

As the radios within an XR630 are identical, testing was only performed on one radio, IAP2.

The XR630 allow for both radios to be operating in the same frequency band, on non-overlapping channels. Therefore, during testing, the second radio was enabled, but not associated with a client device, on the closest, non-overlapping, non-adjacent channel.

Bandwidth of radio under test	Channel of radio under test	Channel of second radio	Bandwidth of second radio
20MHz	100 (5500MHz)	108 (5540MHz)	20MHz
40MHz	102 (5510MHz)	134 (5670MHz)	40MHz
80MHz	106 (5530MHz)	58 (5290MHz)	80MHz

RADAR WAVEFORMS

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

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

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

DFS TEST METHODS

RADIATED TEST METHOD

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

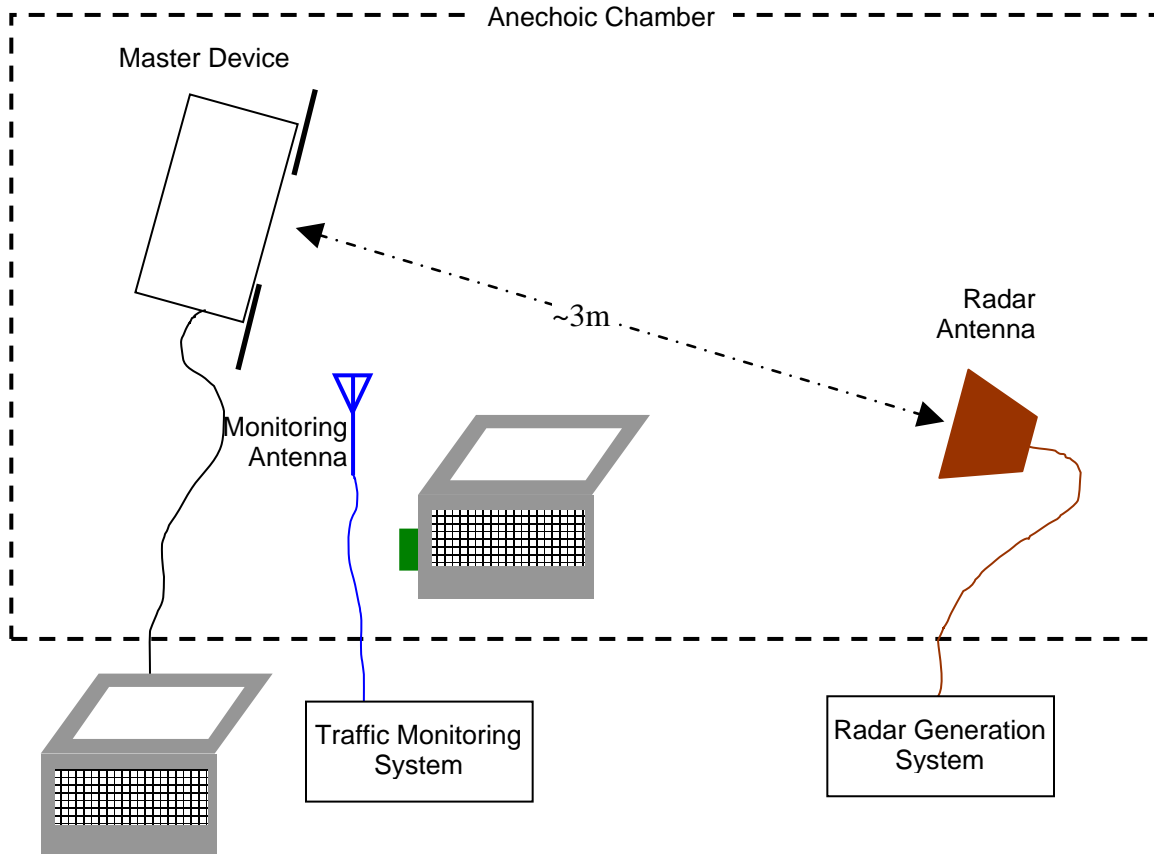


Figure 1 Test Configuration for radiated measurement method

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

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

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

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

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

DFS MEASUREMENT INSTRUMENTATION

RADAR GENERATION SYSTEM

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

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

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

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

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

CHANNEL MONITORING SYSTEM

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

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

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

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

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

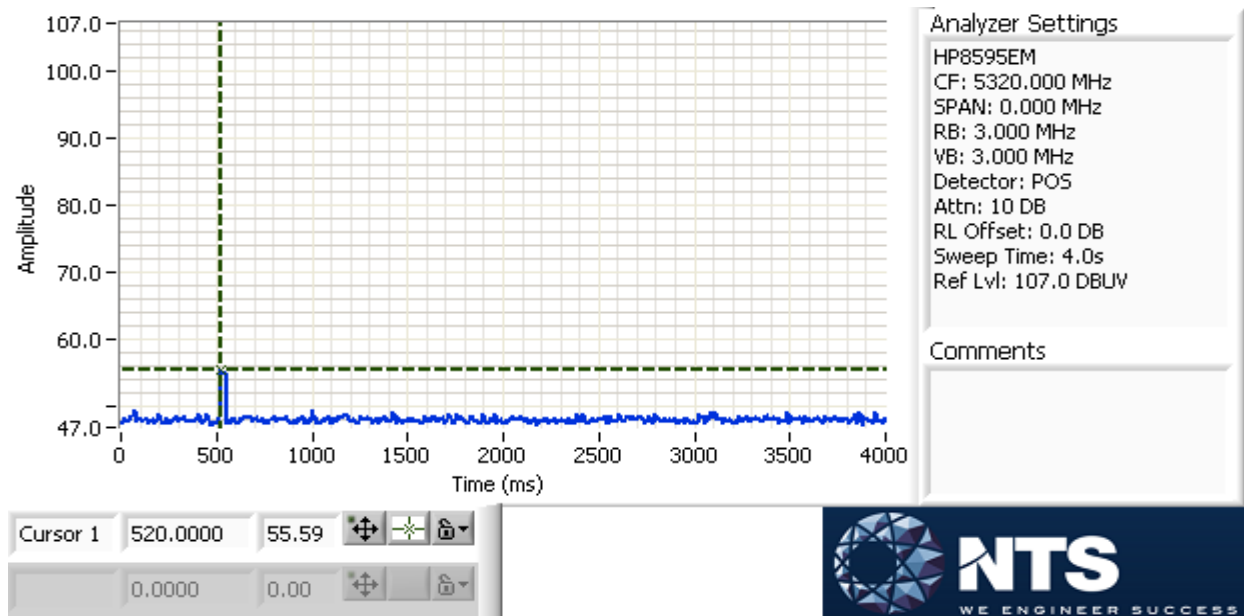


Figure 2 SA Noise Floor During Testing (radar shown at 520 ms)

RADAR GENERATOR PLOTS

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

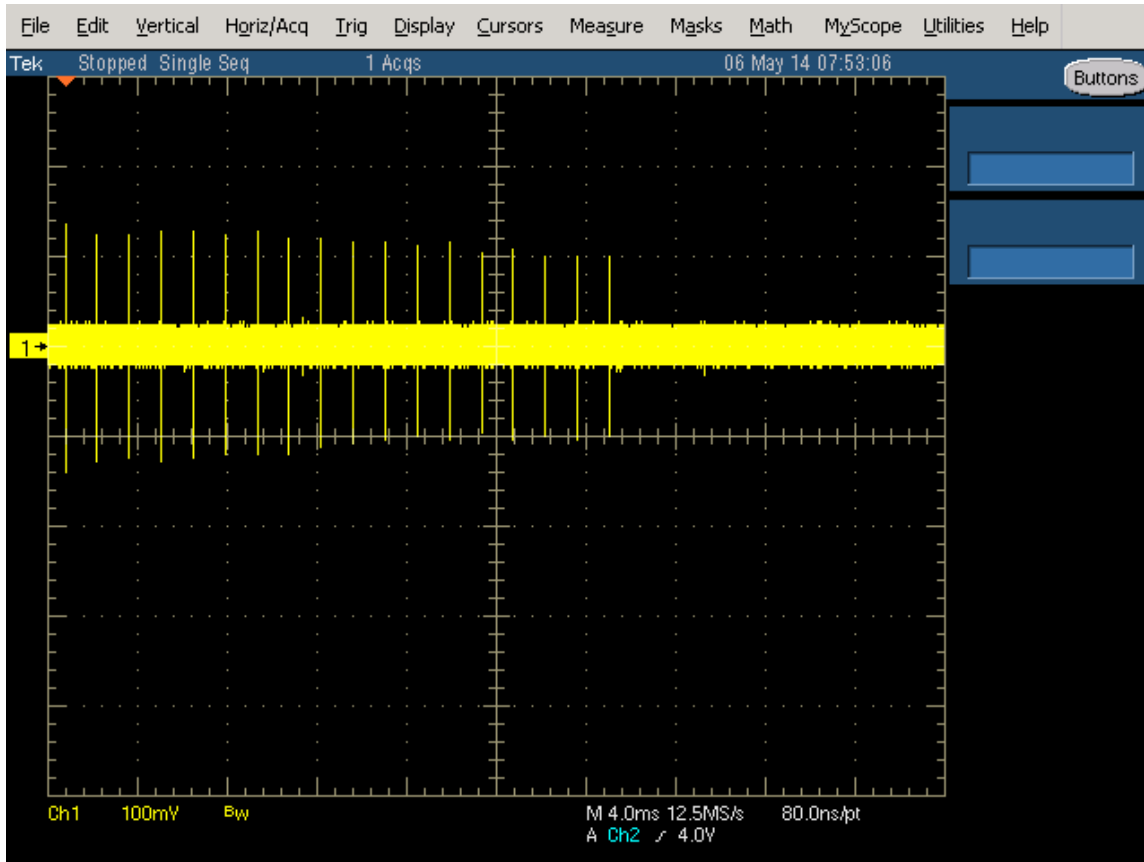


Figure 3 FCC Type 1 Radar (18 pulses)

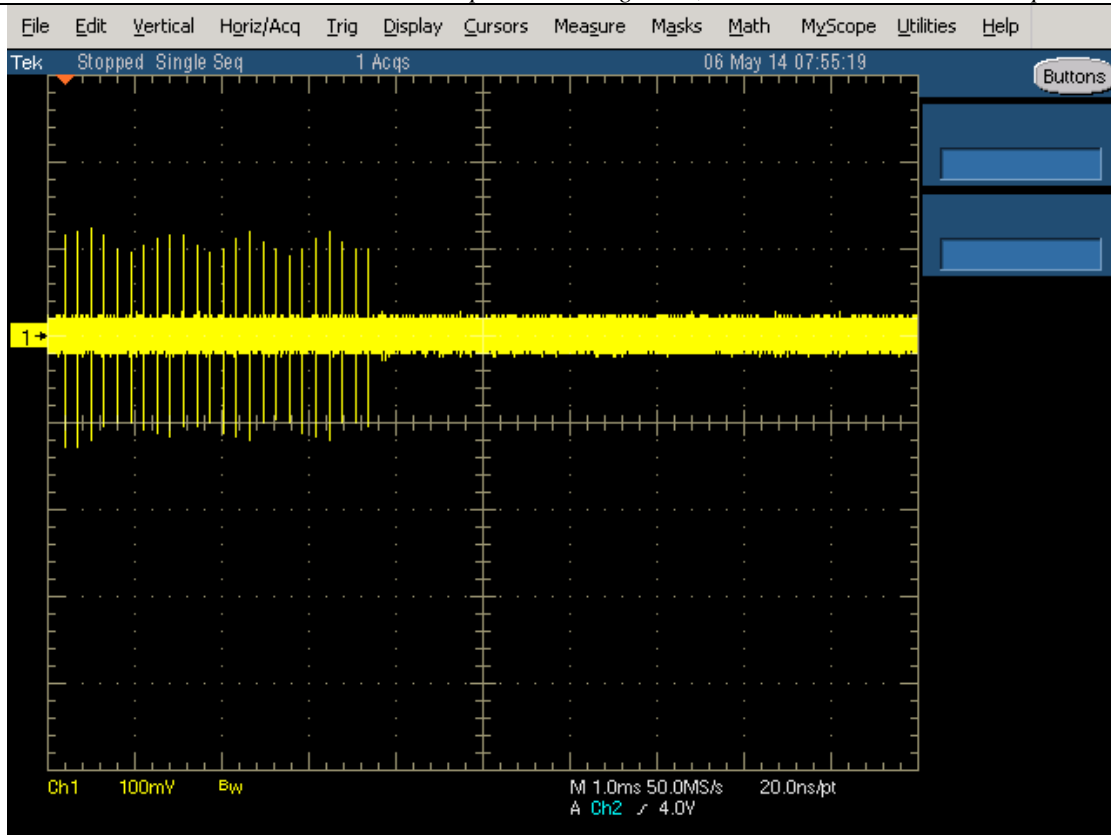


Figure 4 FCC Type 2 Radar (24 pulses)

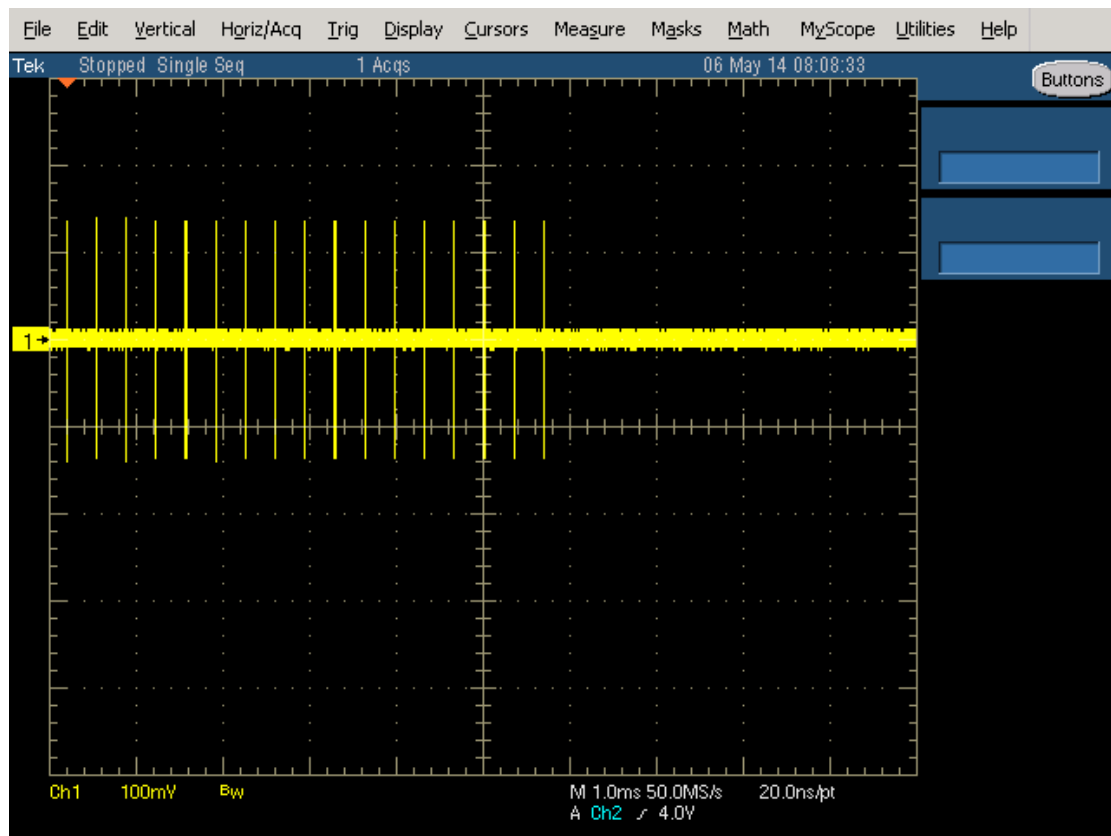


Figure 5 FCC Type 3 Radar (17 pulses)

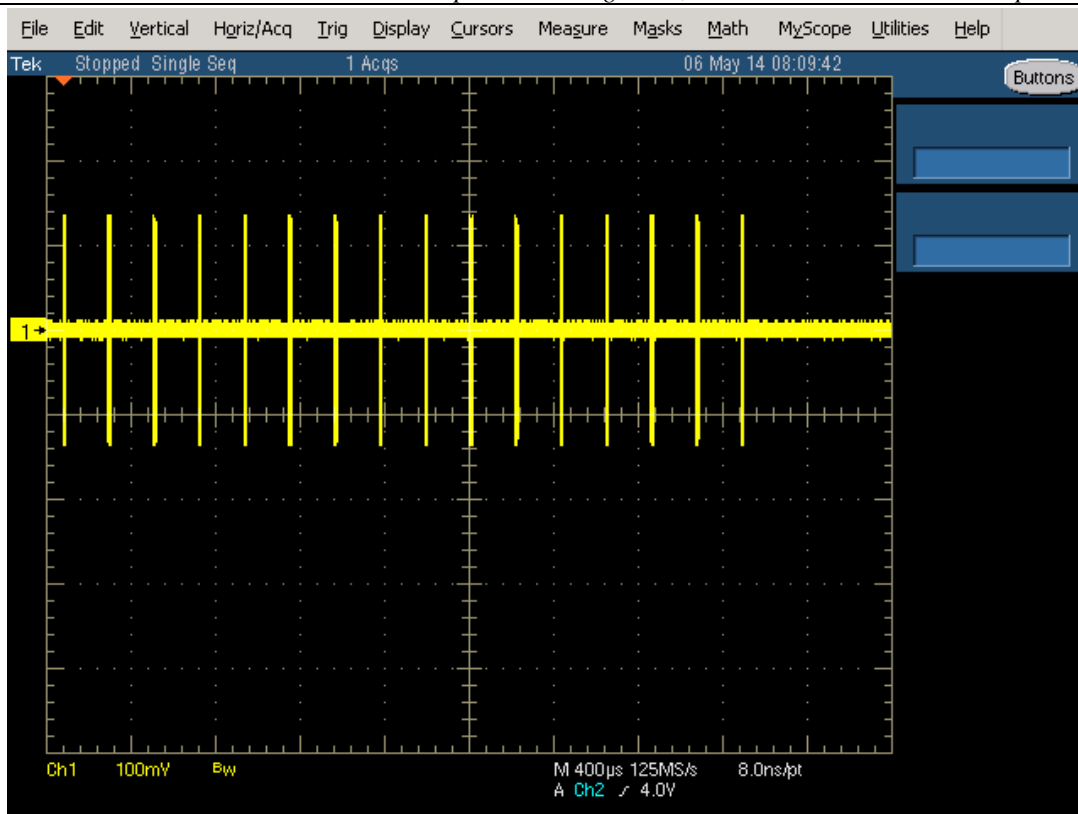


Figure 6 FCC Type 4 Radar (16 pulses)



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

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

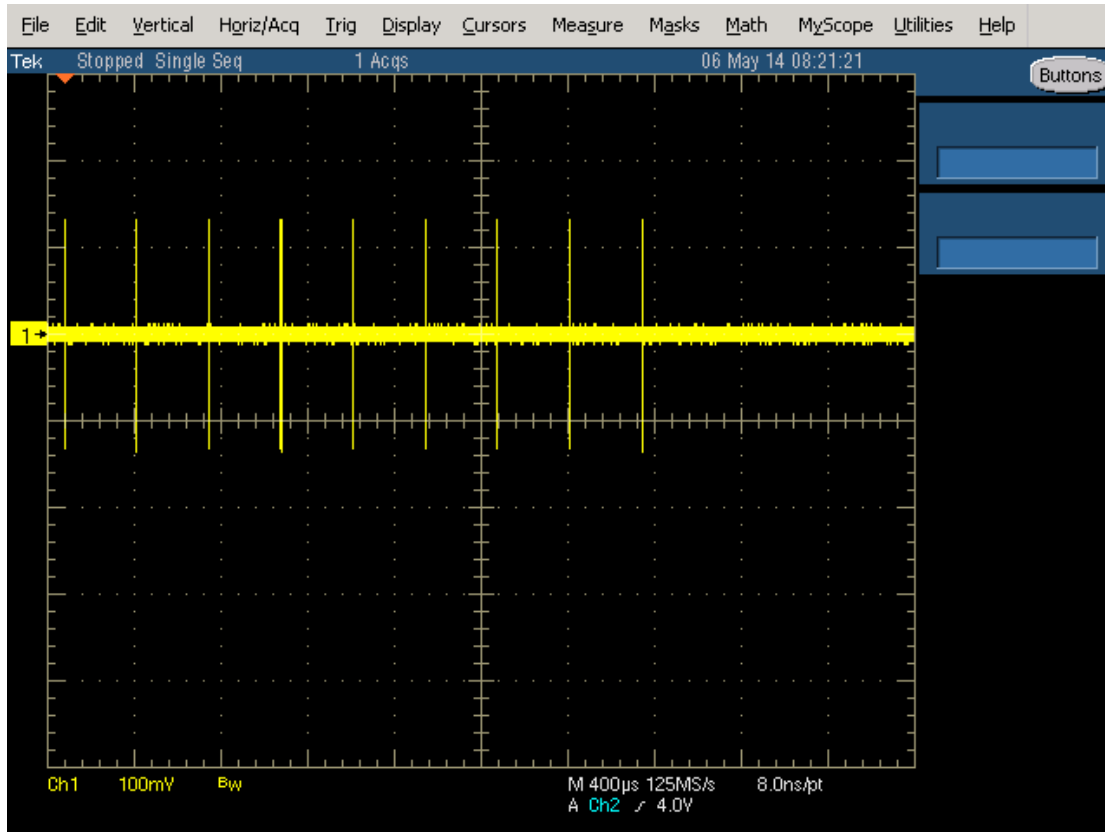


Figure 8 FCC Type 6 Radar (9 pulses in each burst)

DFS MEASUREMENT METHODS

DFS RADAR DETECTION BANDWIDTH

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

DFS – CHANNEL CLOSING TRANSMISSION TIME AND CHANNEL MOVE TIME

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

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

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

DFS – CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING

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

DFS CHANNEL AVAILABILITY CHECK TIME

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

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

UNIFORM LOADING

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

TRANSMIT POWER CONTROL (TPC)

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

SAMPLE CALCULATIONS

DETECTION PROBABILITY / SUCCESS RATE

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

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

THRESHOLD LEVEL

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

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

Appendix A Test Equipment Calibration Data

<u>Manufacturer</u>	<u>Description</u>	<u>Model #</u>	<u>Asset #</u>	<u>Cal Due</u>
Hewlett Packard	EMC Spectrum Analyzer, 9 KHz - 22 GHz	8593EM	1319	12-Dec-14
EMCO	Antenna, Horn, 1-18 GHz (SA40-Blu)	3115	1386	26-Sep-14
Agilent Technologies	PSG Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	19-Jun-15
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052B	2118	23-Oct-14

Appendix B Test Data Tables for Radar Detection Probability

Table 7 - Detection Bandwidth Measurements (Bandwidth: ± 39MHz) 802.11ac 80MHz (XR630)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5490.00 MHz	1	3	25
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5510.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5511.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5512.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5513.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5514.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5515.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5516.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5517.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5518.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5519.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5520.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5521.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5522.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5523.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5524.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5525.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5526.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5527.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5528.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5529.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5530.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5531.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5532.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5533.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5534.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5535.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5536.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5537.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5538.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5539.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5540.00 MHz	10	0	100

Table 7 - Detection Bandwidth Measurements (Bandwidth: ± 39MHz) 802.11ac 80MHz (XR630)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5541.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5542.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5543.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5544.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5545.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5546.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5547.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5548.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5549.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5550.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5551.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5552.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5553.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5554.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5555.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5556.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5557.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5558.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5559.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5560.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5561.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5562.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5563.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5564.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5565.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5566.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5567.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5568.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5569.00 MHz	10	0	100
5530.00 MHz	FCC Short Pulse Radar (Type 1)	5570.00 MHz	1	3	25

Table 8 - Detection Bandwidth Measurements (Bandwidth: ± 9MHz) 802.11ac 20MHz (XR630)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5490.00 MHz	0	3	0
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100

Table 8 - Detection Bandwidth Measurements (Bandwidth: ± 9MHz) 802.11ac 20MHz (XR630)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5510.00 MHz	1	3	25

Table 9 - Detection Bandwidth Measurements (Bandwidth: ± 19MHz) 802.11ac 40MHz (XR630)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5490.00 MHz	0	3	0
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5510.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5511.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5512.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5513.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5514.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5515.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5516.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5517.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5518.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5519.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5520.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5521.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5522.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5523.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5524.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5525.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5526.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5527.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5528.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5529.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5530.00 MHz	1	3	25

Table 10 - Summary of All Results 802.11ac 80MHz (XR630)

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	83.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	86.7 %	60.0 %	30	PASSED
Aggregate of above results	90.8 %	80.0 %	120	PASSED
FCC frequency hopping radar (Type 6)	97.3 %	70.0 %	73	PASSED
Long Sequence	100.0 %	80.0 %	30	PASSED

Table 11 - FCC Short Pulse Radar (Type 1) Results 802.11ac 80MHz (XR630)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5530.0MHz, -63.0dBm	Single burst
2	18	1.0	1428.0	Yes	5525.0MHz, -63.0dBm	Single burst
3	18	1.0	1428.0	Yes	5535.0MHz, -63.0dBm	Single burst
4	18	1.0	1428.0	Yes	5530.0MHz, -63.0dBm	Single burst
5	18	1.0	1428.0	Yes	5525.0MHz, -63.0dBm	Single burst
6	18	1.0	1428.0	Yes	5520.0MHz, -63.0dBm	Single burst
7	18	1.0	1428.0	Yes	5515.0MHz, -63.0dBm	Single burst
8	18	1.0	1428.0	Yes	5510.0MHz, -63.0dBm	Single burst
9	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst
10	18	1.0	1428.0	Yes	5555.0MHz, -63.0dBm	Single burst
11	18	1.0	1428.0	Yes	5550.0MHz, -63.0dBm	Single burst
12	18	1.0	1428.0	Yes	5545.0MHz, -63.0dBm	Single burst
13	18	1.0	1428.0	Yes	5540.0MHz, -63.0dBm	Single burst
14	18	1.0	1428.0	Yes	5535.0MHz, -63.0dBm	Single burst
15	18	1.0	1428.0	Yes	5530.0MHz, -63.0dBm	Single burst
16	18	1.0	1428.0	Yes	5525.0MHz, -63.0dBm	Single burst
17	18	1.0	1428.0	Yes	5520.0MHz, -63.0dBm	Single burst
18	18	1.0	1428.0	Yes	5515.0MHz, -63.0dBm	Single burst
19	18	1.0	1428.0	Yes	5510.0MHz, -63.0dBm	Single burst
20	18	1.0	1428.0	Yes	5505.0MHz, -63.0dBm	Single burst
21	18	1.0	1428.0	Yes	5530.0MHz, -64.0dBm	Single burst
22	18	1.0	1428.0	Yes	5525.0MHz, -64.0dBm	Single burst
23	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst
24	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst
25	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst
26	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
27	18	1.0	1428.0	Yes	5555.0MHz, -64.0dBm	Single burst
28	18	1.0	1428.0	Yes	5550.0MHz, -64.0dBm	Single burst
29	18	1.0	1428.0	Yes	5545.0MHz, -64.0dBm	Single burst
30	18	1.0	1428.0	Yes	5540.0MHz, -64.0dBm	Single burst

Table 12 - FCC Short Pulse Radar (Type 2) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	25	4.8	158.0	Yes	5530.0MHz, -63.0dBm	Single burst
2	26	3.1	174.0	Yes	5525.0MHz, -63.0dBm	Single burst
3	26	4.3	226.0	Yes	5520.0MHz, -63.0dBm	Single burst
4	26	4.4	226.0	Yes	5515.0MHz, -63.0dBm	Single burst
5	26	1.8	158.0	Yes	5510.0MHz, -63.0dBm	Single burst
6	26	1.8	206.0	Yes	5505.0MHz, -63.0dBm	Single burst
7	24	3.1	218.0	Yes	5555.0MHz, -63.0dBm	Single burst
8	26	4.1	196.0	Yes	5550.0MHz, -63.0dBm	Single burst
9	25	1.3	163.0	Yes	5545.0MHz, -63.0dBm	Single burst
10	25	3.0	219.0	Yes	5540.0MHz, -63.0dBm	Single burst
11	27	3.1	211.0	Yes	5535.0MHz, -63.0dBm	Single burst
12	24	4.3	164.0	Yes	5530.0MHz, -63.0dBm	Single burst
13	28	4.1	158.0	Yes	5525.0MHz, -63.0dBm	Single burst
14	25	2.7	165.0	Yes	5520.0MHz, -63.0dBm	Single burst
15	25	3.2	175.0	Yes	5515.0MHz, -63.0dBm	Single burst
16	23	4.5	183.0	Yes	5510.0MHz, -63.0dBm	Single burst
17	29	4.3	186.0	Yes	5505.0MHz, -63.0dBm	Single burst
18	26	2.9	191.0	Yes	5555.0MHz, -63.0dBm	Single burst
19	27	1.5	226.0	Yes	5550.0MHz, -63.0dBm	Single burst
20	25	1.1	192.0	Yes	5545.0MHz, -63.0dBm	Single burst
21	26	1.5	207.0	Yes	5540.0MHz, -63.0dBm	Single burst
22	28	5.0	206.0	Yes	5535.0MHz, -63.0dBm	Single burst
23	24	2.0	203.0	Yes	5530.0MHz, -63.0dBm	Single burst
24	27	2.7	156.0	No	5530.0MHz, -64.0dBm	Single burst
25	28	3.7	224.0	Yes	5525.0MHz, -64.0dBm	Single burst
26	24	2.5	195.0	Yes	5520.0MHz, -64.0dBm	Single burst
27	25	4.1	179.0	No	5515.0MHz, -64.0dBm	Single burst
28	26	4.9	196.0	Yes	5510.0MHz, -64.0dBm	Single burst
29	27	1.0	222.0	Yes	5505.0MHz, -64.0dBm	Single burst
30	26	4.2	179.0	Yes	5555.0MHz, -64.0dBm	Single burst

Table 13 - FCC Short Pulse Radar (Type 3) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	16	9.0	343.0	No	5530.0MHz, -63.0dBm	Single burst
2	18	6.9	447.0	Yes	5525.0MHz, -63.0dBm	Single burst
3	18	7.7	240.0	Yes	5520.0MHz, -63.0dBm	Single burst
4	16	9.8	429.0	Yes	5515.0MHz, -63.0dBm	Single burst
5	17	7.9	400.0	Yes	5510.0MHz, -63.0dBm	Single burst
6	17	9.5	444.0	Yes	5505.0MHz, -63.0dBm	Single burst
7	17	7.7	383.0	Yes	5555.0MHz, -63.0dBm	Single burst
8	16	9.7	497.0	No	5550.0MHz, -63.0dBm	Single burst
9	18	7.2	383.0	Yes	5545.0MHz, -63.0dBm	Single burst
10	17	9.1	401.0	Yes	5540.0MHz, -63.0dBm	Single burst
11	16	6.7	444.0	Yes	5535.0MHz, -63.0dBm	Single burst
12	18	7.8	489.0	Yes	5530.0MHz, -63.0dBm	Single burst
13	17	7.9	408.0	Yes	5525.0MHz, -63.0dBm	Single burst
14	17	9.8	485.0	Yes	5520.0MHz, -63.0dBm	Single burst
15	17	6.3	479.0	No	5515.0MHz, -63.0dBm	Single burst
16	17	8.6	363.0	Yes	5510.0MHz, -63.0dBm	Single burst

Table 13 - FCC Short Pulse Radar (Type 3) Results 802.11ac 80MHz (XR630)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
17	17	7.8	400.0	No	5505.0MHz, -63.0dBm	Single burst
18	18	7.0	454.0	Yes	5555.0MHz, -63.0dBm	Single burst
19	17	7.4	278.0	Yes	5550.0MHz, -63.0dBm	Single burst
20	17	8.6	243.0	Yes	5545.0MHz, -63.0dBm	Single burst
21	18	7.1	356.0	Yes	5530.0MHz, -64.0dBm	Single burst
22	17	9.3	321.0	Yes	5525.0MHz, -64.0dBm	Single burst
23	17	10.0	461.0	Yes	5520.0MHz, -64.0dBm	Single burst
24	17	6.8	363.0	Yes	5515.0MHz, -64.0dBm	Single burst
25	16	6.9	344.0	Yes	5510.0MHz, -64.0dBm	Single burst
26	17	6.4	300.0	No	5505.0MHz, -64.0dBm	Single burst
27	17	6.9	316.0	Yes	5555.0MHz, -64.0dBm	Single burst
28	16	9.1	435.0	Yes	5550.0MHz, -64.0dBm	Single burst
29	17	8.9	319.0	Yes	5545.0MHz, -64.0dBm	Single burst
30	18	6.7	260.0	Yes	5540.0MHz, -64.0dBm	Single burst

Table 14 - FCC Short Pulse Radar (Type 4) Results 802.11ac 80MHz (XR630)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	14	13.8	332.0	Yes	5530.0MHz, -63.0dBm	Single burst
2	13	12.1	344.0	Yes	5525.0MHz, -63.0dBm	Single burst
3	13	17.7	229.0	Yes	5520.0MHz, -63.0dBm	Single burst
4	15	11.3	462.0	Yes	5515.0MHz, -63.0dBm	Single burst
5	16	16.1	336.0	Yes	5510.0MHz, -63.0dBm	Single burst
6	12	19.2	495.0	Yes	5505.0MHz, -63.0dBm	Single burst
7	14	12.3	300.0	No	5555.0MHz, -63.0dBm	Single burst
8	12	14.0	219.0	Yes	5550.0MHz, -63.0dBm	Single burst
9	12	16.1	412.0	Yes	5545.0MHz, -63.0dBm	Single burst
10	13	12.3	481.0	Yes	5540.0MHz, -63.0dBm	Single burst
11	12	16.0	468.0	Yes	5535.0MHz, -63.0dBm	Single burst
12	13	17.4	329.0	Yes	5530.0MHz, -63.0dBm	Single burst
13	14	16.3	267.0	No	5525.0MHz, -63.0dBm	Single burst
14	12	19.9	295.0	No	5520.0MHz, -63.0dBm	Single burst
15	12	18.3	395.0	Yes	5515.0MHz, -63.0dBm	Single burst
16	15	12.2	318.0	Yes	5510.0MHz, -63.0dBm	Single burst
17	13	13.9	326.0	Yes	5505.0MHz, -63.0dBm	Single burst
18	13	16.6	210.0	Yes	5555.0MHz, -63.0dBm	Single burst
19	14	13.0	288.0	Yes	5550.0MHz, -63.0dBm	Single burst
20	14	19.6	339.0	Yes	5545.0MHz, -63.0dBm	Single burst
21	15	11.5	411.0	Yes	5530.0MHz, -64.0dBm	Single burst
22	13	18.8	255.0	Yes	5525.0MHz, -64.0dBm	Single burst
23	15	15.9	282.0	Yes	5520.0MHz, -64.0dBm	Single burst
24	16	13.4	359.0	Yes	5515.0MHz, -64.0dBm	Single burst
25	13	14.4	373.0	Yes	5510.0MHz, -64.0dBm	Single burst
26	12	16.7	340.0	Yes	5505.0MHz, -64.0dBm	Single burst
27	16	13.1	342.0	No	5555.0MHz, -64.0dBm	Single burst
28	14	14.9	279.0	Yes	5550.0MHz, -64.0dBm	Single burst
29	14	14.4	225.0	Yes	5545.0MHz, -64.0dBm	Single burst
30	13	16.1	322.0	Yes	5540.0MHz, -64.0dBm	Single burst

Table 15 - Long Sequence Waveform Summary 802.11ac 80MHz (XR630)		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5530.0MHz, -63.0dBm
Trial #2	Detected	5525.0MHz, -63.0dBm
Trial #3	Detected	5520.0MHz, -63.0dBm
Trial #4	Detected	5515.0MHz, -63.0dBm
Trial #5	Detected	5510.0MHz, -63.0dBm
Trial #6	Detected	5505.0MHz, -63.0dBm
Trial #7	Detected	5555.0MHz, -63.0dBm
Trial #8	Detected	5550.0MHz, -63.0dBm
Trial #9	Detected	5545.0MHz, -63.0dBm
Trial #10	Detected	5540.0MHz, -63.0dBm
Trial #11	Detected	5535.0MHz, -63.0dBm
Trial #12	Detected	5530.0MHz, -63.0dBm
Trial #13	Detected	5525.0MHz, -63.0dBm
Trial #14	Detected	5520.0MHz, -63.0dBm
Trial #15	Detected	5515.0MHz, -63.0dBm
Trial #16	Detected	5510.0MHz, -63.0dBm
Trial #17	Detected	5505.0MHz, -63.0dBm
Trial #18	Detected	5555.0MHz, -63.0dBm
Trial #19	Detected	5550.0MHz, -63.0dBm
Trial #20	Detected	5545.0MHz, -63.0dBm
Trial #21	Detected	5530.0MHz, -64.0dBm
Trial #22	Detected	5525.0MHz, -64.0dBm
Trial #23	Detected	5520.0MHz, -64.0dBm
Trial #24	Detected	5515.0MHz, -64.0dBm
Trial #25	Detected	5510.0MHz, -64.0dBm
Trial #26	Detected	5505.0MHz, -64.0dBm
Trial #27	Detected	5555.0MHz, -64.0dBm
Trial #28	Detected	5550.0MHz, -64.0dBm
Trial #29	Detected	5545.0MHz, -64.0dBm
Trial #30	Detected	5540.0MHz, -64.0dBm

Table 16 - Long Sequence Waveform Trial#1 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	59.2	17	1125.0	-	0.544224
2	3	57.1	14	1389.0	1003.0	1.979293
3	2	62.8	12	1815.0	-	2.038198
4	2	92.1	8	1538.0	-	3.516382
5	2	56.8	17	1447.0	-	4.427737
6	3	78.2	15	1262.0	1595.0	5.181104
7	3	54.6	20	1336.0	1048.0	6.107234
8	1	94.0	17	-	-	7.237067
9	1	75.0	10	-	-	8.296985
10	2	75.0	6	1035.0	-	9.559232
11	3	72.5	16	1667.0	1667.0	10.761854
12	2	94.2	6	1285.0	-	11.192378

Table 17 - Long Sequence Waveform Trial#2 (Detected) 802.11ac 80MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	88.4	19	-	-	0.156534
2	1	94.8	18	-	-	0.769529
3	2	86.0	15	1649.0	-	2.091562
4	2	85.5	9	1418.0	-	2.427557
5	1	97.8	12	-	-	3.488462
6	1	90.5	17	-	-	3.964688
7	1	95.2	15	-	-	4.769320
8	3	86.8	11	1190.0	1280.0	5.568093
9	1	63.1	18	-	-	6.124004
10	3	53.6	20	1174.0	1597.0	7.457664
11	2	90.5	18	1905.0	-	8.238452
12	3	75.5	19	1889.0	1297.0	8.821686
13	1	81.4	7	-	-	9.173720
14	2	79.0	18	1614.0	-	10.360997
15	1	72.3	12	-	-	10.956538
16	1	96.1	6	-	-	11.875275

Table 18 - Long Sequence Waveform Trial#3 (Detected) 802.11ac 80MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	75.2	15	-	-	0.212150
2	3	91.8	14	1556.0	1055.0	1.236038
3	2	85.0	5	1334.0	-	2.987616
4	3	94.6	9	1785.0	1701.0	3.692468
5	2	55.1	14	1624.0	-	4.850751
6	1	58.1	17	-	-	5.475999
7	2	77.1	12	1949.0	-	6.403475
8	2	82.6	16	1769.0	-	7.378453
9	1	65.3	6	-	-	8.078118
10	3	81.7	15	1779.0	1839.0	9.834596
11	1	78.6	7	-	-	10.269800
12	2	100.0	13	1175.0	-	11.058244

Table 19 - Long Sequence Waveform Trial#4 (Detected) 802.11ac 80MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.3	19	1175.0	-	0.316345
2	1	61.1	10	-	-	0.976441
3	3	50.1	19	1717.0	1272.0	1.847424
4	2	56.5	8	1800.0	-	2.310600
5	2	87.8	7	1458.0	-	3.203587
6	1	63.4	17	-	-	3.903558
7	1	83.8	5	-	-	4.609405
8	3	81.5	9	1802.0	1724.0	5.565610
9	2	74.9	8	1853.0	-	6.071653
10	1	77.2	14	-	-	7.205129
11	2	80.4	19	1666.0	-	7.833058
12	2	68.4	20	1978.0	-	8.692596

Table 19 - Long Sequence Waveform Trial#4 (Detected) 802.11ac 80MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
13	2	64.5	9	1902.0	-	9.465331
14	2	99.9	13	1673.0	-	10.164927
15	2	93.0	18	1335.0	-	10.665120
16	3	51.6	7	1412.0	1837.0	11.299831

Table 20 - Long Sequence Waveform Trial#5 (Detected) 802.11ac 80MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	54.2	16	1437.0	-	0.177490
2	2	71.9	7	1791.0	-	1.735983
3	2	51.9	14	1173.0	-	3.037749
4	2	63.8	15	1836.0	-	3.509649
5	1	61.2	6	-	-	4.865557
6	1	90.8	7	-	-	6.311330
7	2	86.8	5	1788.0	-	7.142895
8	3	51.6	8	1492.0	1303.0	8.426699
9	2	90.8	7	1957.0	-	9.777756
10	1	94.5	17	-	-	10.850106
11	2	81.7	16	1858.0	-	11.112757

Table 21 - Long Sequence Waveform Trial#6 (Detected) 802.11ac 80MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	94.7	19	1632.0	1568.0	0.840932
2	2	68.7	15	1240.0	-	1.031147
3	3	89.9	15	1360.0	1659.0	1.949970
4	3	71.7	19	1847.0	1913.0	3.145944
5	2	86.1	12	1660.0	-	4.234436
6	2	71.3	8	1374.0	-	4.947713
7	3	92.4	6	1396.0	1031.0	6.066622
8	2	88.2	13	1151.0	-	7.197394
9	2	85.7	15	1810.0	-	8.143509
10	1	75.2	19	-	-	9.064421
11	2	52.0	15	1743.0	-	10.100003
12	1	97.4	13	-	-	10.672246
13	3	97.2	11	1611.0	1792.0	11.839830

Table 22 - Long Sequence Waveform Trial#7 (Detected) 802.11ac 80MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	79.4	10	1824.0	-	0.113077
2	3	85.7	17	1102.0	1960.0	2.342778
3	3	98.8	9	1074.0	1932.0	3.309432
4	2	75.0	15	1307.0	-	4.401644
5	3	56.0	16	1015.0	1896.0	4.890673
6	1	62.0	13	-	-	6.776216
7	2	93.3	13	1780.0	-	8.154113

Table 22 - Long Sequence Waveform Trial#7 (Detected) 802.11ac 80MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	2	56.9	11	1253.0	-	8.896016
9	1	76.2	19	-	-	10.385697
10	2	82.5	18	1414.0	-	11.230085

Table 23 - Long Sequence Waveform Trial#8 (Detected) 802.11ac 80MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	62.2	6	1112.0	-	0.735013
2	1	92.2	19	-	-	0.819745
3	1	99.2	20	-	-	2.094741
4	3	88.8	17	1740.0	1239.0	2.513813
5	2	72.5	10	1570.0	-	3.822570
6	2	89.1	17	1739.0	-	4.021823
7	2	52.6	7	1378.0	-	5.044560
8	1	95.6	14	-	-	5.992783
9	2	73.5	11	1165.0	-	6.999062
10	3	83.8	8	1783.0	1718.0	7.555624
11	2	82.2	20	1614.0	-	8.549360
12	3	76.3	7	1856.0	1324.0	9.104429
13	1	52.2	20	-	-	9.879991
14	2	93.8	7	1385.0	-	11.024993
15	2	73.9	7	1692.0	-	11.940751

Table 24 - Long Sequence Waveform Trial#9 (Detected) 802.11ac 80MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	65.0	10	1513.0	-	0.356260
2	3	61.1	16	1735.0	1813.0	1.223802
3	3	67.5	19	1969.0	1385.0	1.644725
4	2	59.4	9	1588.0	-	2.128341
5	2	93.9	14	1675.0	-	3.319214
6	2	72.3	6	1831.0	-	4.150537
7	3	79.3	15	1783.0	1284.0	4.911960
8	2	90.8	14	1343.0	-	5.283753
9	3	98.7	11	1805.0	1762.0	5.941313
10	2	52.5	14	1819.0	-	7.022640
11	2	64.2	16	1365.0	-	7.413239
12	1	97.1	19	-	-	7.846001
13	3	85.6	15	1713.0	1532.0	8.882498
14	3	69.0	5	1125.0	1581.0	9.605450
15	2	95.6	16	1049.0	-	10.003909
16	2	82.4	14	1151.0	-	10.694354
17	2	75.9	6	1856.0	-	11.423369

Table 25 - Long Sequence Waveform Trial#10 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	59.3	5	1768.0	-	0.058269
2	2	87.9	9	1464.0	-	1.240882
3	1	87.9	5	-	-	1.783083
4	2	66.4	8	1307.0	-	2.114887
5	2	50.5	9	1903.0	-	2.735934
6	2	80.0	10	1741.0	-	3.516175
7	2	78.8	6	1073.0	-	4.167595
8	3	63.9	15	1241.0	1907.0	5.043769
9	3	68.1	9	1173.0	1167.0	5.792807
10	2	94.8	15	1259.0	-	6.143723
11	1	55.2	8	-	-	7.291600
12	3	65.1	7	1466.0	1328.0	7.846785
13	1	85.9	16	-	-	8.157507
14	2	51.3	10	1820.0	-	9.099812
15	1	77.8	15	-	-	9.954903
16	2	93.5	11	1126.0	-	10.409447
17	2	72.1	8	1754.0	-	10.798547
18	2	73.1	5	1151.0	-	11.939925

Table 26 - Long Sequence Waveform Trial#11 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	56.5	16	1504.0	-	0.708174
2	2	95.7	16	1061.0	-	0.920108
3	2	68.1	11	1824.0	-	1.585485
4	2	51.6	14	1681.0	-	2.494501
5	3	96.9	10	1389.0	1369.0	3.149313
6	3	88.5	12	1046.0	1802.0	3.976341
7	2	50.7	14	1453.0	-	4.944305
8	1	87.2	18	-	-	5.976318
9	1	72.0	8	-	-	6.349786
10	2	65.8	9	1595.0	-	6.970539
11	3	67.5	14	1367.0	1676.0	7.933224
12	1	84.7	11	-	-	8.555082
13	2	89.6	18	1128.0	-	9.682305
14	3	91.6	9	1468.0	1723.0	9.758604
15	2	62.4	9	1675.0	-	10.721236
16	2	51.9	18	1638.0	-	11.782341

Table 27 - Long Sequence Waveform Trial#12 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	87.2	10	1759.0	1418.0	0.295873
2	2	72.1	10	1969.0	-	2.329137
3	3	88.1	12	1190.0	1446.0	2.871672
4	2	85.1	6	1538.0	-	4.175164
5	3	83.9	12	1891.0	1159.0	5.346645
6	1	63.9	16	-	-	6.281271

Table 27 - Long Sequence Waveform Trial#12 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
7	2	97.6	11	1361.0	-	7.499536
8	1	69.8	17	-	-	8.454408
9	3	77.2	17	1850.0	1283.0	9.641024
10	1	54.1	10	-	-	11.618939

Table 28 - Long Sequence Waveform Trial#13 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	80.7	13	1623.0	1114.0	0.271778
2	3	63.9	8	1289.0	1106.0	1.086977
3	1	53.9	7	-	-	1.781397
4	2	83.1	17	1240.0	-	3.111510
5	3	77.0	7	1881.0	1416.0	3.323932
6	1	69.4	16	-	-	4.157171
7	3	82.8	18	1090.0	1579.0	5.082211
8	1	64.8	16	-	-	6.284219
9	2	86.0	11	1675.0	-	6.467003
10	2	66.9	10	1631.0	-	7.964457
11	1	67.3	14	-	-	8.522023
12	2	66.1	9	1275.0	-	8.960895
13	1	85.4	13	-	-	9.908772
14	2	73.6	13	1132.0	-	10.875332
15	2	58.4	10	1794.0	-	11.204267

Table 29 - Long Sequence Waveform Trial#14 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	94.8	8	-	-	0.353724
2	1	87.5	6	-	-	1.012537
3	2	93.4	9	1392.0	-	1.838131
4	2	52.1	16	1982.0	-	2.523010
5	1	63.1	12	-	-	2.649736
6	2	82.6	13	1603.0	-	3.457521
7	3	58.1	17	1659.0	1291.0	3.980393
8	3	96.7	18	1609.0	1138.0	4.654555
9	1	93.6	9	-	-	5.347435
10	3	95.0	11	1075.0	1545.0	5.911178
11	2	63.3	6	1713.0	-	6.606527
12	2	50.3	6	1650.0	-	7.373147
13	2	79.1	17	1952.0	-	7.951470
14	1	77.1	6	-	-	8.568171
15	2	99.7	16	1064.0	-	9.460470
16	2	94.7	15	1196.0	-	10.013312
17	2	64.3	5	1761.0	-	10.631327
18	1	83.3	18	-	-	10.790480
19	2	81.4	17	1690.0	-	11.997763

Table 30 - Long Sequence Waveform Trial#15 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	75.4	15	1744.0	-	1.173965
2	1	61.9	17	-	-	1.559355
3	2	81.8	18	1033.0	-	3.644360
4	2	90.1	19	1236.0	-	4.163537
5	2	70.6	16	1412.0	-	6.610945
6	1	97.3	16	-	-	7.687748
7	2	85.4	11	1825.0	-	8.281798
8	2	57.1	14	1762.0	-	10.007760
9	2	99.7	11	1086.0	-	11.914518

Table 31 - Long Sequence Waveform Trial#16 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	56.7	6	1165.0	-	0.523771
2	2	91.6	6	1831.0	-	1.435212
3	2	68.2	14	1178.0	-	3.376368
4	1	56.8	6	-	-	4.258696
5	1	66.6	13	-	-	5.493577
6	3	86.3	6	1539.0	1933.0	7.713666
7	3	77.4	19	1068.0	1160.0	8.627592
8	2	73.7	17	1506.0	-	10.441276
9	1	52.0	16	-	-	10.803593

Table 32 - Long Sequence Waveform Trial#17 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	72.1	14	1156.0	-	0.525603
2	2	68.5	18	1927.0	-	0.906738
3	1	59.0	8	-	-	1.467994
4	3	61.6	8	1810.0	1204.0	2.462176
5	2	70.4	12	1640.0	-	3.085695
6	2	70.0	20	1503.0	-	3.548997
7	1	59.1	20	-	-	4.718903
8	3	87.3	12	1812.0	1193.0	5.078379
9	3	81.2	16	1301.0	1738.0	6.291004
10	2	82.8	17	1207.0	-	6.817513
11	1	87.7	13	-	-	7.178140
12	2	91.1	14	1918.0	-	8.321730
13	2	52.7	18	1547.0	-	8.663052
14	3	58.8	14	1665.0	1737.0	9.443666
15	2	95.6	7	1742.0	-	10.218338
16	3	76.4	14	1355.0	1005.0	11.084176
17	1	65.8	12	-	-	11.883124

Table 33 - Long Sequence Waveform Trial#18 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	89.8	19	1113.0	-	0.073812
2	1	58.4	9	-	-	1.229187
3	2	58.9	17	1418.0	-	1.625767
4	2	66.3	18	1109.0	-	2.260284
5	2	54.0	18	1679.0	-	2.896678
6	3	86.3	12	1747.0	1470.0	3.889953
7	3	87.2	14	1769.0	1100.0	4.594771
8	1	93.4	5	-	-	5.101733
9	3	50.6	16	1138.0	1990.0	5.885741
10	2	91.6	7	1117.0	-	6.343150
11	1	59.6	17	-	-	6.852001
12	1	70.9	15	-	-	7.432773
13	1	96.0	16	-	-	8.606070
14	3	99.0	9	1946.0	1075.0	8.986342
15	2	54.7	17	1610.0	-	9.797507
16	3	93.1	6	1483.0	1025.0	10.395316
17	2	72.6	7	1251.0	-	10.684533
18	2	66.7	6	1637.0	-	11.921054

Table 34 - Long Sequence Waveform Trial#19 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	54.6	11	1564.0	1444.0	0.493060
2	1	89.1	8	-	-	1.168064
3	2	80.5	9	1110.0	-	1.806788
4	2	56.5	9	1691.0	-	2.007806
5	2	79.6	8	1370.0	-	3.040116
6	2	99.2	9	1612.0	-	3.310265
7	2	92.7	5	1336.0	-	4.237718
8	2	82.2	7	1013.0	-	4.929253
9	3	92.2	8	1630.0	1215.0	5.152032
10	1	80.6	19	-	-	6.261677
11	3	97.3	7	1695.0	1460.0	6.856299
12	2	52.5	12	1204.0	-	7.197428
13	2	81.9	18	1442.0	-	7.904369
14	2	77.6	18	1506.0	-	8.568280
15	2	58.4	11	1304.0	-	9.350612
16	2	65.0	10	1555.0	-	9.888761
17	2	72.5	11	1898.0	-	10.575698
18	3	90.8	19	1409.0	1913.0	10.740005
19	2	68.3	12	1238.0	-	11.526864

Table 35 - Long Sequence Waveform Trial#20 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	56.8	19	1722.0	1645.0	0.334468
2	2	51.6	5	1249.0	-	1.192067
3	3	52.8	14	1846.0	1259.0	1.847277
4	2	57.2	11	1820.0	-	2.142879
5	1	91.3	7	-	-	3.168633
6	1	61.1	9	-	-	3.710747
7	2	68.4	8	1948.0	-	4.372640
8	2	90.3	5	1627.0	-	4.744227
9	3	65.4	12	1183.0	1449.0	5.447627
10	2	88.2	10	1881.0	-	6.394545
11	3	91.4	14	1309.0	1128.0	6.882683
12	2	81.5	7	1731.0	-	7.842607
13	1	93.0	10	-	-	8.477007
14	2	84.8	11	1903.0	-	8.949504
15	2	65.0	17	1585.0	-	9.561158
16	2	89.0	14	1197.0	-	10.557681
17	1	67.8	5	-	-	11.023386
18	3	71.5	10	1225.0	1841.0	11.653688

Table 36 - Long Sequence Waveform Trial#21 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	62.4	5	-	-	0.456126
2	3	73.4	8	1073.0	1626.0	1.154488
3	2	78.8	10	1426.0	-	1.604522
4	3	98.8	10	1992.0	1399.0	2.132584
5	3	58.6	12	1915.0	1231.0	2.891969
6	2	51.8	12	1685.0	-	3.620743
7	2	63.2	19	1186.0	-	4.379589
8	2	54.2	7	1179.0	-	4.693002
9	3	53.8	12	1776.0	1973.0	5.410771
10	2	80.4	15	1028.0	-	6.187794
11	3	91.5	8	1048.0	1725.0	6.875749
12	2	58.4	15	1379.0	-	7.382947
13	3	64.6	10	1620.0	1976.0	7.896794
14	3	95.1	19	1119.0	1289.0	8.232973
15	2	97.8	6	1919.0	-	9.198393
16	1	89.8	6	-	-	9.624919
17	2	72.8	15	1426.0	-	10.596367
18	2	57.0	7	1796.0	-	11.309009
19	1	76.3	17	-	-	11.617551

Table 37 - Long Sequence Waveform Trial#22 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	92.8	19	1274.0	-	0.316620
2	3	86.4	16	1903.0	1586.0	1.349694
3	2	53.9	6	1320.0	-	1.602806
4	3	95.4	20	1595.0	1026.0	2.468757
5	2	74.0	6	1477.0	-	2.882953
6	2	89.8	17	1273.0	-	3.568699
7	3	51.1	6	1752.0	1537.0	4.678554
8	2	69.1	8	1139.0	-	5.142845
9	1	96.1	11	-	-	6.343781
10	1	58.9	14	-	-	6.959797
11	3	68.4	8	1477.0	1329.0	7.184604
12	1	84.8	12	-	-	8.406735
13	2	88.9	9	1045.0	-	8.725563
14	3	66.6	18	1109.0	1928.0	9.194367
15	2	70.6	14	1290.0	-	9.918257
16	3	82.2	10	1200.0	1274.0	10.934199
17	3	78.9	6	1772.0	1458.0	11.769468

Table 38 - Long Sequence Waveform Trial#23 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	86.1	12	1005.0	1515.0	0.512295
2	1	78.0	17	-	-	1.027726
3	3	56.6	13	1291.0	1239.0	1.945055
4	1	51.4	19	-	-	3.217355
5	3	58.2	5	1302.0	1040.0	3.988653
6	2	51.1	15	1487.0	-	4.542420
7	1	56.3	8	-	-	5.431070
8	3	86.2	16	1393.0	1939.0	6.392625
9	3	97.7	19	1761.0	1596.0	7.468581
10	1	52.0	9	-	-	7.853941
11	3	96.6	12	1823.0	1618.0	8.734927
12	1	66.2	8	-	-	9.511984
13	2	89.1	11	1242.0	-	10.884661
14	1	91.5	19	-	-	11.449288

Table 39 - Long Sequence Waveform Trial#24 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	62.2	7	1030.0	-	0.041401
2	2	89.4	7	1164.0	-	1.665159
3	3	59.4	17	1067.0	1698.0	3.309808
4	3	59.3	9	1634.0	1707.0	5.602128
5	3	83.1	10	1807.0	1028.0	7.025042
6	1	60.3	14	-	-	8.501515
7	3	86.8	6	1461.0	1808.0	10.068294
8	2	72.5	19	1726.0	-	11.875431

Table 40 - Long Sequence Waveform Trial#25 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	87.8	13	-	-	0.265024
2	2	51.3	12	1852.0	-	0.682640
3	1	53.9	20	-	-	1.436479
4	1	88.5	13	-	-	2.318692
5	1	68.1	6	-	-	2.804546
6	3	90.8	17	1923.0	1574.0	3.388755
7	2	73.9	9	1598.0	-	4.304372
8	2	55.5	18	1571.0	-	4.781710
9	2	73.5	9	1581.0	-	5.622853
10	2	75.1	8	1919.0	-	6.605202
11	1	53.2	18	-	-	7.026292
12	1	80.0	20	-	-	7.879694
13	3	52.2	9	1827.0	1175.0	8.523100
14	3	89.4	10	1597.0	1677.0	8.850846
15	2	55.0	16	1361.0	-	9.807808
16	3	70.9	17	1592.0	1872.0	10.340266
17	2	91.0	6	1413.0	-	11.184893
18	2	80.2	11	1595.0	-	11.749322

Table 41 - Long Sequence Waveform Trial#26 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	69.0	6	1539.0	1717.0	0.351232
2	1	52.3	14	-	-	1.168425
3	1	53.5	20	-	-	2.921286
4	2	81.6	7	1994.0	-	3.072903
5	3	71.8	7	1039.0	1022.0	4.896414
6	2	70.5	16	1459.0	-	5.067708
7	1	77.2	8	-	-	6.921698
8	3	63.3	12	1420.0	1042.0	7.432014
9	2	99.4	7	1898.0	-	8.089339
10	3	88.1	13	1266.0	1591.0	9.996211
11	3	98.5	9	1160.0	1259.0	10.527376
12	2	81.2	12	1543.0	-	11.731255

Table 42 - Long Sequence Waveform Trial#27 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	58.8	14	1208.0	-	0.100302
2	3	92.3	17	1010.0	1495.0	1.256572
3	2	71.9	9	1824.0	-	1.561184
4	2	74.9	15	1316.0	-	2.277294
5	2	54.4	14	1167.0	-	3.079479
6	1	68.7	6	-	-	3.281625
7	2	93.4	6	1294.0	-	3.843402
8	2	96.8	9	1640.0	-	5.035535
9	1	61.0	19	-	-	5.627636
10	1	94.4	14	-	-	6.053118

Table 42 - Long Sequence Waveform Trial#27 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
11	2	68.4	9	1999.0	-	6.652031
12	2	87.9	16	1943.0	-	7.478689
13	2	78.9	6	1355.0	-	8.008551
14	3	82.7	17	1713.0	1975.0	8.739823
15	2	94.6	18	1051.0	-	9.458372
16	1	56.1	8	-	-	10.010917
17	2	83.0	16	1883.0	-	10.478694
18	3	65.1	12	1542.0	1736.0	11.337660
19	1	86.3	8	-	-	11.858898

Table 43 - Long Sequence Waveform Trial#28 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	86.5	5	-	-	0.567749
2	2	57.3	20	1822.0	-	0.809197
3	2	97.5	10	1004.0	-	1.654463
4	2	79.9	12	1837.0	-	2.968615
5	3	93.6	14	1263.0	1826.0	3.029963
6	2	66.2	16	1936.0	-	4.424374
7	2	74.0	7	1001.0	-	4.807596
8	1	76.0	17	-	-	5.345400
9	2	67.1	16	1319.0	-	6.194998
10	1	97.6	9	-	-	7.091297
11	2	61.4	17	1694.0	-	7.519539
12	1	94.4	11	-	-	8.567332
13	2	82.3	13	1419.0	-	9.486617
14	1	89.6	11	-	-	10.110107
15	2	70.3	11	1784.0	-	10.551849
16	1	97.5	18	-	-	11.745789

Table 44 - Long Sequence Waveform Trial#29 (Detected) 802.11ac 80MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	73.3	7	1757.0	-	0.058120
2	1	68.8	6	-	-	1.663064
3	2	89.8	13	1322.0	-	2.463395
4	1	89.2	11	-	-	3.591486
5	2	53.0	20	1514.0	-	4.092168
6	2	64.3	9	1477.0	-	4.840092
7	3	75.3	13	1039.0	1908.0	6.046498
8	2	84.1	8	1164.0	-	7.377372
9	3	83.5	9	1937.0	1685.0	8.298967
10	1	94.6	7	-	-	9.128312
11	3	67.7	5	1618.0	1611.0	9.761368
12	2	98.6	7	1417.0	-	10.185316
13	2	50.9	12	1146.0	-	11.129789

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	70.9	13	-	-	0.585880
2	2	88.0	9	1022.0	-	2.336152
3	1	54.9	6	-	-	3.048124
4	2	68.7	14	1920.0	-	4.787530
5	1	95.4	10	-	-	5.120061
6	2	84.6	7	1387.0	-	6.958892
7	2	77.0	20	1797.0	-	7.881136
8	2	95.7	13	1135.0	-	9.174605
9	2	54.0	17	1217.0	-	9.846947
10	2	90.6	13	1710.0	-	11.433005

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	No	5565.0MHz, -63.0dBm	Hop sequence: 5496, 5352, 5457, 5505, 5372, 5621, 5682, 5630, 5267, 5461, 5603, 5336, 5649, 5468, 5640, 5680, 5432, 5390, 5545, 5329, 5586, 5574, 5428, 5398, 5620, 5362, 5287, 5601, 5366, 5378, 5677, 5614, 5281, 5711, 5380, 5690, 5355, 5549, 5523, 5332, 5684, 5424, 5508, 5373, 5470, 5605, 5683, 5588, 5560, 5303, 5331, 5718, 5322, 5261, 5686, 5710, 5653, 5379, 5699, 5656, 5651, 5364, 5392, 5306, 5652, 5345, 5654, 5365, 5550, 5698, 5502, 5442, 5293, 5609, 5263, 5280, 5596, 5701, 5526, 5660, 5514, 5394, 5708, 5636, 5639, 5406, 5664, 5462, 5429, 5360, 5634, 5348, 5709, 5647, 5720, 5334, 5433, 5472, 5540, 5567 (12 hits)
2	9	1.0	333.0	Yes	5566.0MHz, -63.0dBm	Hop sequence: 5541, 5411, 5312, 5667, 5366, 5660, 5331, 5361, 5403, 5483, 5446, 5321, 5487, 5377, 5536, 5324, 5662, 5294, 5522, 5573, 5607, 5612, 5523, 5564, 5598, 5318, 5287, 5452, 5286, 5316, 5611, 5700, 5587, 5599, 5423, 5525, 5364, 5511, 5365, 5255, 5290, 5497, 5724, 5491, 5272, 5314, 5677, 5520, 5566, 5409, 5560, 5284, 5459, 5620, 5404, 5558, 5705, 5410, 5430, 5468, 5516, 5561, 5604, 5458, 5437, 5397, 5445, 5359, 5557, 5643, 5358, 5405, 5696, 5692, 5372, 5659, 5521, 5695, 5460, 5427, 5714, 5597, 5512, 5576, 5494, 5474, 5385, 5605, 5381, 5362, 5306, 5317, 5353, 5544, 5342, 5577, 5644, 5673, 5413, 5465 (19 hits)
3	9	1.0	333.0	Yes	5494.0MHz, -63.0dBm	Hop sequence: 5363, 5705, 5443, 5616, 5632, 5615, 5696, 5436, 5660, 5448, 5264, 5582, 5405, 5549, 5677, 5437, 5304, 5712, 5273, 5573, 5695, 5485, 5465, 5544, 5383, 5385, 5282, 5717, 5671, 5686, 5327, 5655, 5361, 5384, 5576, 5506, 5277, 5536, 5467, 5360, 5464, 5411, 5471, 5558, 5444, 5645, 5519, 5286, 5375, 5532, 5345, 5497, 5545, 5337, 5492, 5515, 5725, 5673, 5638, 5667, 5370, 5698, 5257, 5715, 5555, 5287, 5542, 5651, 5268, 5453, 5456, 5435, 5682, 5609, 5681, 5258, 5455, 5322, 5393, 5256, 5401, 5459, 5550, 5267, 5479, 5358, 5702, 5314, 5359, 5429, 5601, 5407, 5489, 5636, 5518, 5289, 5324, 5319, 5425, 5486 (14 hits)
4	9	1.0	333.0	Yes	5495.0MHz, -63.0dBm	Hop sequence: 5723, 5350, 5702, 5491, 5623, 5432, 5404, 5521, 5420, 5692, 5293, 5299, 5332, 5328, 5450, 5660, 5509, 5342, 5636, 5577, 5553, 5489, 5630, 5253, 5371, 5655, 5407, 5527, 5308, 5284, 5525, 5280, 5565, 5390, 5423, 5409, 5285, 5520, 5463, 5449, 5429, 5715, 5686, 5361, 5657, 5333, 5719, 5720, 5508, 5271, 5360, 5543, 5621, 5562, 5663, 5722, 5658, 5255, 5534, 5712, 5607, 5573,

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5619, 5552, 5532, 5254, 5599, 5576, 5530, 5317, 5416, 5575, 5617, 5480, 5666, 5294, 5392, 5338, 5454, 5567, 5252, 5405, 5303, 5586, 5289, 5505, 5414, 5260, 5302, 5395, 5716, 5626, 5571, 5464, 5695, 5570, 5290, 5690, 5609, 5262 (15 hits)
5	9	1.0	333.0	Yes	5496.0MHz, -63.0dBm	Hop sequence: 5667, 5434, 5587, 5420, 5654, 5482, 5530, 5581, 5266, 5354, 5638, 5563, 5411, 5252, 5666, 5480, 5601, 5663, 5456, 5620, 5470, 5566, 5611, 5521, 5453, 5267, 5380, 5264, 5668, 5551, 5484, 5297, 5675, 5357, 5557, 5535, 5341, 5442, 5509, 5391, 5590, 5572, 5305, 5554, 5711, 5352, 5379, 5274, 5369, 5313, 5656, 5560, 5406, 5292, 5359, 5610, 5696, 5481, 5514, 5471, 5584, 5412, 5308, 5492, 5664, 5518, 5310, 5309, 5658, 5505, 5367, 5454, 5437, 5645, 5605, 5477, 5539, 5548, 5497, 5562, 5451, 5706, 5284, 5316, 5653, 5386, 5350, 5384, 5626, 5318, 5549, 5625, 5487, 5351, 5498, 5344, 5713, 5635, 5323, 5631 (19 hits)
6	9	1.0	333.0	Yes	5497.0MHz, -63.0dBm	Hop sequence: 5497, 5484, 5436, 5285, 5447, 5491, 5564, 5503, 5619, 5614, 5501, 5365, 5581, 5527, 5522, 5597, 5621, 5369, 5608, 5717, 5572, 5720, 5713, 5514, 5674, 5550, 5554, 5291, 5376, 5439, 5576, 5367, 5716, 5582, 5690, 5327, 5269, 5414, 5459, 5270, 5442, 5638, 5666, 5383, 5330, 5618, 5672, 5494, 5559, 5320, 5610, 5306, 5642, 5279, 5647, 5592, 5259, 5304, 5493, 5405, 5438, 5339, 5311, 5382, 5464, 5588, 5307, 5502, 5693, 5276, 5399, 5704, 5539, 5364, 5533, 5353, 5531, 5483, 5580, 5596, 5500, 5615, 5476, 5333, 5599, 5488, 5314, 5317, 5644, 5437, 5562, 5709, 5308, 5321, 5419, 5350, 5530, 5267, 5448, 5656 (18 hits)
7	9	1.0	333.0	Yes	5498.0MHz, -63.0dBm	Hop sequence: 5259, 5378, 5285, 5692, 5492, 5350, 5253, 5722, 5494, 5607, 5251, 5646, 5472, 5538, 5399, 5319, 5380, 5610, 5272, 5297, 5491, 5303, 5476, 5596, 5359, 5417, 5525, 5501, 5545, 5630, 5678, 5681, 5580, 5493, 5631, 5529, 5440, 5482, 5557, 5413, 5368, 5706, 5686, 5273, 5572, 5419, 5503, 5708, 5370, 5394, 5582, 5483, 5388, 5638, 5531, 5357, 5392, 5467, 5664, 5356, 5486, 5652, 5717, 5363, 5609, 5705, 5283, 5565, 5480, 5437, 5288, 5415, 5264, 5561, 5559, 5332, 5540, 5255, 5387, 5591, 5657, 5605, 5375, 5673, 5600, 5274, 5566, 5510, 5593, 5660, 5320, 5618, 5495, 5403, 5410, 5633, 5679, 5474, 5295, 5421 (16 hits)
8	9	1.0	333.0	Yes	5499.0MHz, -63.0dBm	Hop sequence: 5363, 5336, 5391, 5368, 5589, 5305, 5392, 5717, 5332, 5476, 5586, 5442, 5674, 5667, 5298, 5333, 5364, 5644, 5396, 5663, 5433, 5274, 5601, 5360, 5324, 5481, 5532, 5443, 5616, 5418, 5290, 5350, 5653, 5273, 5499, 5372, 5381, 5496, 5656, 5511, 5263, 5464, 5606, 5267, 5651, 5715, 5650, 5515, 5361, 5696, 5710, 5397, 5649, 5440, 5362, 5299, 5424, 5544, 5291, 5458, 5666, 5714, 5470, 5365, 5388, 5473, 5316, 5721, 5317, 5622, 5497, 5643, 5354, 5485, 5484, 5722, 5410, 5330, 5657, 5557, 5262, 5441, 5453, 5633, 5691, 5482, 5502, 5620, 5543, 5591, 5384, 5460, 5705, 5450, 5528, 5279, 5393, 5551, 5351, 5523 (13 hits)
9	9	1.0	333.0	Yes	5500.0MHz, -63.0dBm	Hop sequence: 5473, 5451, 5522, 5487, 5635, 5278, 5429, 5391, 5419, 5401, 5476, 5315, 5705, 5597, 5404, 5297, 5477, 5267, 5438, 5519, 5567, 5312, 5437, 5465, 5572, 5433, 5553, 5387, 5526, 5485, 5430, 5444, 5373, 5394, 5375, 5523, 5598, 5555, 5503, 5382, 5595, 5468, 5347, 5416, 5580, 5478, 5299, 5651, 5685, 5446, 5269, 5435, 5481, 5631, 5491, 5604, 5461, 5592, 5385, 5334, 5666, 5499, 5253, 5641, 5594, 5406, 5342, 5350, 5546, 5544, 5330, 5426, 5496, 5527, 5619, 5390, 5596, 5668, 5574, 5284, 5272, 5258, 5515, 5452, 5508, 5286, 5561, 5723, 5264, 5448, 5307, 5618, 5672, 5466, 5721, 5369, 5332, 5374, 5589, 5257 (15 hits)

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
10	9	1.0	333.0	Yes	5501.0MHz, -63.0dBm	Hop sequence: 5661, 5458, 5292, 5443, 5299, 5311, 5319, 5582, 5471, 5383, 5403, 5659, 5491, 5667, 5435, 5704, 5647, 5459, 5277, 5565, 5641, 5495, 5363, 5544, 5604, 5460, 5314, 5662, 5357, 5320, 5340, 5346, 5623, 5660, 5643, 5699, 5593, 5574, 5640, 5524, 5707, 5519, 5557, 5717, 5541, 5276, 5712, 5532, 5556, 5569, 5376, 5686, 5489, 5546, 5586, 5449, 5289, 5360, 5323, 5635, 5723, 5684, 5253, 5428, 5628, 5486, 5687, 5485, 5454, 5464, 5260, 5361, 5374, 5274, 5330, 5649, 5387, 5417, 5573, 5348, 5279, 5664, 5652, 5293, 5708, 5685, 5626, 5525, 5701, 5537, 5437, 5408, 5347, 5653, 5634, 5358, 5310, 5407, 5474, 5438 (12 hits)
11	9	1.0	333.0	Yes	5502.0MHz, -63.0dBm	Hop sequence: 5561, 5541, 5348, 5294, 5479, 5709, 5487, 5393, 5288, 5679, 5584, 5654, 5699, 5626, 5558, 5656, 5573, 5719, 5436, 5460, 5372, 5299, 5621, 5550, 5640, 5515, 5484, 5661, 5435, 5447, 5409, 5639, 5365, 5567, 5653, 5387, 5637, 5598, 5650, 5322, 5250, 5655, 5696, 5512, 5275, 5716, 5477, 5367, 5505, 5506, 5450, 5347, 5711, 5649, 5414, 5463, 5400, 5670, 5382, 5535, 5714, 5481, 5717, 5411, 5580, 5628, 5258, 5604, 5334, 5425, 5283, 5614, 5328, 5687, 5630, 5681, 5305, 5392, 5333, 5352, 5480, 5437, 5271, 5594, 5647, 5350, 5312, 5688, 5698, 5390, 5516, 5693, 5509, 5423, 5470, 5514, 5440, 5529, 5511, 5544 (15 hits)
12	9	1.0	333.0	Yes	5503.0MHz, -63.0dBm	Hop sequence: 5279, 5666, 5663, 5580, 5662, 5251, 5675, 5268, 5576, 5703, 5509, 5611, 5362, 5573, 5382, 5318, 5333, 5326, 5433, 5723, 5307, 5301, 5312, 5253, 5376, 5698, 5701, 5491, 5627, 5346, 5422, 5629, 5556, 5418, 5276, 5650, 5496, 5401, 5490, 5438, 5359, 5552, 5560, 5488, 5606, 5559, 5470, 5634, 5281, 5501, 5394, 5395, 5577, 5533, 5391, 5378, 5714, 5640, 5377, 5449, 5526, 5631, 5553, 5686, 5256, 5582, 5636, 5510, 5561, 5511, 5520, 5710, 5682, 5386, 5565, 5463, 5715, 5558, 5688, 5350, 5432, 5583, 5331, 5695, 5507, 5434, 5459, 5690, 5360, 5578, 5412, 5551, 5487, 5519, 5454, 5306, 5590, 5659, 5674, 5579 (19 hits)
13	9	1.0	333.0	Yes	5504.0MHz, -63.0dBm	Hop sequence: 5610, 5512, 5514, 5664, 5663, 5388, 5310, 5646, 5662, 5389, 5529, 5725, 5363, 5450, 5627, 5262, 5373, 5268, 5273, 5711, 5364, 5604, 5359, 5279, 5558, 5454, 5465, 5639, 5493, 5543, 5461, 5428, 5597, 5346, 5469, 5329, 5500, 5270, 5498, 5292, 5556, 5607, 5626, 5594, 5322, 5544, 5682, 5380, 5614, 5357, 5554, 5384, 5301, 5397, 5653, 5457, 5656, 5716, 5578, 5321, 5427, 5355, 5637, 5439, 5446, 5417, 5340, 5695, 5603, 5456, 5423, 5523, 5714, 5528, 5694, 5448, 5284, 5511, 5362, 5256, 5587, 5264, 5342, 5508, 5546, 5490, 5438, 5565, 5411, 5376, 5668, 5482, 5412, 5258, 5580, 5494, 5559, 5696, 5596, 5425 (18 hits)
14	9	1.0	333.0	Yes	5505.0MHz, -63.0dBm	Hop sequence: 5692, 5572, 5271, 5408, 5711, 5302, 5449, 5472, 5501, 5386, 5627, 5254, 5358, 5714, 5546, 5536, 5495, 5611, 5484, 5395, 5646, 5346, 5344, 5522, 5423, 5497, 5357, 5270, 5289, 5322, 5313, 5492, 5369, 5440, 5436, 5300, 5660, 5399, 5480, 5364, 5326, 5417, 5284, 5682, 5608, 5264, 5520, 5443, 5639, 5294, 5617, 5280, 5378, 5517, 5330, 5400, 5586, 5342, 5713, 5683, 5347, 5707, 5382, 5720, 5309, 5353, 5363, 5252, 5573, 5624, 5721, 5549, 5657, 5623, 5697, 5541, 5703, 5390, 5603, 5268, 5524, 5442, 5640, 5306, 5451, 5304, 5425, 5397, 5319, 5559, 5389, 5349, 5716, 5321, 5483, 5662, 5320, 5259, 5613, 5370 (12 hits)
15	9	1.0	333.0	Yes	5506.0MHz, -63.0dBm	Hop sequence: 5329, 5267, 5710, 5492, 5695, 5609, 5634, 5687, 5449, 5278, 5283, 5647, 5711, 5643, 5287, 5423, 5486, 5624, 5671, 5384, 5410, 5617, 5613, 5415, 5499, 5659, 5361, 5632, 5309, 5706, 5391, 5357, 5689, 5321, 5335, 5470, 5572, 5535,

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5487, 5460, 5491, 5366, 5302, 5525, 5616, 5501, 5462, 5389, 5381, 5418, 5431, 5289, 5428, 5611, 5276, 5589, 5566, 5388, 5530, 5437, 5367, 5649, 5434, 5723, 5596, 5316, 5652, 5528, 5497, 5293, 5574, 5707, 5393, 5285, 5550, 5627, 5260, 5625, 5691, 5598, 5494, 5383, 5264, 5517, 5261, 5526, 5721, 5422, 5311, 5524, 5618, 5483, 5488, 5621, 5345, 5475, 5599, 5299, 5619, 5476 (13 hits)
16	9	1.0	333.0	Yes	5507.0MHz, -63.0dBm	Hop sequence: 5705, 5678, 5681, 5621, 5257, 5277, 5312, 5453, 5501, 5515, 5614, 5273, 5296, 5531, 5335, 5644, 5509, 5605, 5625, 5612, 5704, 5617, 5336, 5510, 5497, 5347, 5677, 5529, 5620, 5713, 5541, 5546, 5411, 5602, 5345, 5337, 5410, 5493, 5472, 5708, 5269, 5261, 5668, 5358, 5721, 5559, 5462, 5702, 5649, 5417, 5334, 5712, 5443, 5505, 5513, 5388, 5317, 5476, 5673, 5477, 5403, 5278, 5300, 5498, 5340, 5709, 5615, 5362, 5380, 5291, 5650, 5488, 5339, 5421, 5481, 5318, 5710, 5326, 5310, 5506, 5686, 5432, 5527, 5343, 5392, 5450, 5632, 5524, 5293, 5697, 5693, 5566, 5487, 5405, 5422, 5466, 5375, 5408, 5344, 5618 (17 hits)
17	9	1.0	333.0	Yes	5508.0MHz, -63.0dBm	Hop sequence: 5604, 5348, 5481, 5554, 5662, 5473, 5518, 5471, 5632, 5292, 5576, 5692, 5511, 5614, 5287, 5459, 5514, 5327, 5507, 5651, 5351, 5483, 5601, 5617, 5620, 5277, 5523, 5466, 5305, 5495, 5270, 5442, 5711, 5333, 5596, 5606, 5684, 5650, 5331, 5549, 5460, 5501, 5628, 5602, 5694, 5339, 5320, 5492, 5386, 5415, 5417, 5516, 5545, 5324, 5283, 5408, 5272, 5563, 5346, 5323, 5354, 5352, 5589, 5409, 5487, 5703, 5359, 5723, 5392, 5341, 5599, 5268, 5519, 5398, 5631, 5615, 5301, 5387, 5725, 5490, 5590, 5594, 5572, 5533, 5403, 5577, 5653, 5609, 5539, 5463, 5285, 5493, 5435, 5607, 5717, 5648, 5461, 5407, 5453, 5477 (15 hits)
18	9	1.0	333.0	Yes	5509.0MHz, -63.0dBm	Hop sequence: 5598, 5633, 5367, 5595, 5443, 5690, 5604, 5698, 5610, 5334, 5607, 5689, 5319, 5361, 5593, 5341, 5666, 5351, 5531, 5411, 5436, 5513, 5721, 5389, 5576, 5514, 5269, 5356, 5713, 5289, 5489, 5377, 5639, 5294, 5688, 5370, 5335, 5539, 5571, 5503, 5451, 5348, 5339, 5638, 5556, 5563, 5353, 5280, 5627, 5530, 5291, 5671, 5405, 5691, 5498, 5286, 5702, 5419, 5454, 5586, 5643, 5423, 5583, 5298, 5403, 5461, 5602, 5629, 5396, 5470, 5431, 5299, 5519, 5674, 5450, 5309, 5471, 5323, 5618, 5543, 5662, 5414, 5270, 5475, 5632, 5381, 5285, 5683, 5375, 5534, 5686, 5453, 5251, 5535, 5616, 5418, 5304, 5442, 5371, 5458 (13 hits)
19	9	1.0	333.0	Yes	5510.0MHz, -63.0dBm	Hop sequence: 5402, 5651, 5724, 5657, 5289, 5334, 5692, 5673, 5329, 5528, 5568, 5630, 5695, 5578, 5691, 5518, 5581, 5290, 5464, 5336, 5697, 5549, 5277, 5341, 5565, 5326, 5259, 5350, 5497, 5361, 5355, 5607, 5669, 5312, 5328, 5256, 5270, 5723, 5390, 5636, 5682, 5686, 5347, 5363, 5339, 5427, 5632, 5317, 5364, 5681, 5674, 5635, 5693, 5357, 5663, 5500, 5413, 5529, 5648, 5470, 5459, 5365, 5469, 5626, 5426, 5611, 5640, 5658, 5546, 5416, 5418, 5447, 5284, 5489, 5709, 5659, 5354, 5639, 5456, 5719, 5671, 5556, 5291, 5451, 5458, 5318, 5589, 5348, 5584, 5664, 5680, 5539, 5385, 5420, 5576, 5435, 5282, 5274, 5494, 5338 (11 hits)
20	9	1.0	333.0	Yes	5511.0MHz, -63.0dBm	Hop sequence: 5369, 5657, 5617, 5436, 5709, 5298, 5416, 5386, 5344, 5284, 5576, 5619, 5555, 5648, 5677, 5440, 5443, 5254, 5494, 5687, 5674, 5542, 5461, 5516, 5480, 5334, 5425, 5720, 5656, 5460, 5299, 5688, 5268, 5474, 5486, 5571, 5324, 5396, 5256, 5449, 5399, 5364, 5553, 5331, 5277, 5457, 5714, 5303, 5615, 5537, 5535, 5439, 5568, 5315, 5699, 5373, 5528, 5692, 5322, 5394, 5308, 5402, 5675, 5518, 5710, 5420, 5632, 5359, 5538, 5267, 5447, 5693, 5650, 5548, 5681, 5446, 5313, 5604,

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5668, 5388, 5257, 5578, 5264, 5620, 5406, 5712, 5597, 5411, 5328, 5389, 5616, 5698, 5327, 5475, 5403, 5696, 5496, 5639, 5261, 5705 (12 hits)
21	9	1.0	333.0	No	5565.0MHz, -64.0dBm	Hop sequence: 5308, 5321, 5388, 5459, 5632, 5456, 5322, 5468, 5446, 5363, 5628, 5450, 5611, 5619, 5582, 5681, 5659, 5348, 5398, 5340, 5616, 5440, 5494, 5656, 5603, 5429, 5699, 5571, 5478, 5402, 5261, 5302, 5544, 5655, 5572, 5633, 5567, 5614, 5589, 5558, 5601, 5460, 5303, 5342, 5377, 5622, 5486, 5531, 5316, 5671, 5625, 5717, 5643, 5383, 5689, 5557, 5534, 5550, 5704, 5366, 5535, 5276, 5338, 5562, 5262, 5257, 5434, 5425, 5312, 5626, 5518, 5278, 5546, 5357, 5554, 5415, 5707, 5371, 5332, 5713, 5538, 5545, 5299, 5510, 5568, 5489, 5650, 5509, 5269, 5281, 5455, 5448, 5588, 5502, 5422, 5556, 5424, 5404, 5409, 5447 (18 hits)
22	9	1.0	333.0	Yes	5566.0MHz, -64.0dBm	Hop sequence: 5316, 5723, 5704, 5380, 5523, 5479, 5710, 5326, 5292, 5620, 5577, 5304, 5601, 5676, 5314, 5696, 5549, 5685, 5482, 5459, 5430, 5450, 5687, 5611, 5708, 5427, 5526, 5365, 5489, 5361, 5678, 5721, 5440, 5635, 5250, 5716, 5694, 5322, 5573, 5264, 5504, 5383, 5647, 5371, 5461, 5439, 5582, 5330, 5652, 5302, 5502, 5655, 5469, 5405, 5711, 5268, 5659, 5516, 5376, 5374, 5272, 5396, 5584, 5368, 5603, 5515, 5421, 5672, 5663, 5608, 5529, 5610, 5303, 5702, 5621, 5677, 5341, 5606, 5452, 5266, 5313, 5410, 5543, 5349, 5598, 5375, 5642, 5683, 5364, 5409, 5581, 5641, 5725, 5301, 5534, 5288, 5544, 5446, 5718, 5505 (12 hits)
23	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5269, 5654, 5364, 5436, 5360, 5716, 5601, 5492, 5683, 5452, 5554, 5395, 5408, 5660, 5309, 5458, 5561, 5427, 5353, 5545, 5307, 5373, 5483, 5379, 5418, 5553, 5594, 5614, 5606, 5605, 5581, 5627, 5438, 5331, 5478, 5316, 5640, 5298, 5447, 5490, 5455, 5474, 5479, 5414, 5259, 5617, 5611, 5301, 5346, 5670, 5567, 5613, 5510, 5274, 5655, 5505, 5653, 5371, 5388, 5375, 5456, 5647, 5520, 5437, 5399, 5359, 5626, 5513, 5430, 5296, 5538, 5376, 5597, 5377, 5600, 5453, 5325, 5555, 5441, 5292, 5501, 5700, 5391, 5659, 5475, 5329, 5460, 5265, 5402, 5429, 5264, 5498, 5618, 5311, 5466, 5574, 5468, 5273, 5579, 5338 (12 hits)
24	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5504, 5547, 5595, 5589, 5549, 5310, 5456, 5374, 5288, 5327, 5567, 5559, 5511, 5609, 5282, 5410, 5350, 5301, 5565, 5411, 5501, 5380, 5475, 5264, 5377, 5664, 5667, 5671, 5683, 5397, 5601, 5465, 5413, 5269, 5604, 5386, 5706, 5655, 5691, 5543, 5490, 5253, 5445, 5657, 5470, 5401, 5256, 5255, 5696, 5530, 5471, 5394, 5341, 5699, 5718, 5252, 5523, 5267, 5719, 5554, 5693, 5552, 5393, 5429, 5529, 5627, 5586, 5616, 5506, 5260, 5513, 5656, 5571, 5669, 5481, 5573, 5700, 5639, 5295, 5489, 5342, 5339, 5355, 5273, 5654, 5370, 5526, 5553, 5417, 5285, 5409, 5453, 5463, 5620, 5697, 5519, 5254, 5628, 5715, 5262 (18 hits)
25	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5430, 5334, 5464, 5446, 5282, 5363, 5641, 5717, 5413, 5492, 5371, 5280, 5591, 5627, 5322, 5437, 5696, 5406, 5315, 5297, 5601, 5532, 5556, 5599, 5387, 5526, 5572, 5698, 5539, 5546, 5693, 5295, 5314, 5359, 5455, 5293, 5598, 5257, 5344, 5592, 5675, 5517, 5535, 5551, 5372, 5649, 5654, 5697, 5362, 5566, 5354, 5269, 5365, 5388, 5420, 5327, 5720, 5714, 5509, 5711, 5578, 5648, 5369, 5524, 5694, 5632, 5358, 5617, 5498, 5671, 5631, 5651, 5465, 5688, 5680, 5723, 5253, 5347, 5491, 5288, 5705, 5450, 5715, 5605, 5616, 5514, 5676, 5695, 5262, 5576, 5515, 5397, 5267, 5482, 5389, 5357, 5596, 5544, 5414, 5250 (15 hits)

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
26	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5307, 5647, 5604, 5367, 5482, 5398, 5672, 5601, 5495, 5310, 5548, 5381, 5499, 5645, 5324, 5379, 5328, 5448, 5493, 5583, 5373, 5370, 5561, 5391, 5505, 5268, 5481, 5422, 5252, 5333, 5474, 5259, 5542, 5575, 5617, 5695, 5396, 5314, 5503, 5426, 5688, 5707, 5586, 5539, 5423, 5613, 5342, 5281, 5282, 5644, 5662, 5434, 5414, 5369, 5553, 5477, 5573, 5671, 5555, 5457, 5618, 5532, 5526, 5678, 5660, 5285, 5407, 5572, 5521, 5594, 5284, 5536, 5348, 5267, 5584, 5491, 5607, 5541, 5294, 5603, 5332, 5402, 5330, 5417, 5387, 5253, 5625, 5628, 5531, 5576, 5311, 5390, 5279, 5629, 5442, 5587, 5283, 5437, 5432, 5588 (16 hits)
27	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5411, 5390, 5355, 5571, 5463, 5439, 5495, 5600, 5616, 5510, 5351, 5285, 5322, 5294, 5484, 5629, 5430, 5279, 5418, 5523, 5456, 5529, 5667, 5378, 5369, 5346, 5517, 5661, 5548, 5626, 5286, 5699, 5522, 5483, 5726, 5300, 5577, 5406, 5327, 5689, 5597, 5370, 5589, 5678, 5404, 5405, 5402, 5332, 5711, 5255, 5692, 5354, 5393, 5297, 5480, 5580, 5525, 5673, 5591, 5497, 5601, 5281, 5530, 5341, 5520, 5309, 5526, 5431, 5666, 5707, 5490, 5323, 5642, 5518, 5450, 5436, 5590, 5697, 5296, 5265, 5647, 5440, 5453, 5604, 5318, 5592, 5291, 5491, 5372, 5496, 5261, 5651, 5282, 5513, 5345, 5458, 5609, 5373, 5650, 5599 (15 hits)
28	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5511, 5349, 5279, 5719, 5633, 5383, 5617, 5713, 5414, 5377, 5695, 5629, 5441, 5368, 5253, 5389, 5611, 5650, 5564, 5634, 5347, 5262, 5649, 5519, 5355, 5342, 5433, 5486, 5655, 5608, 5331, 5592, 5418, 5432, 5590, 5716, 5593, 5704, 5582, 5304, 5707, 5281, 5290, 5274, 5502, 5415, 5674, 5585, 5548, 5583, 5291, 5411, 5635, 5551, 5337, 5562, 5405, 5679, 5399, 5422, 5553, 5595, 5654, 5359, 5329, 5387, 5384, 5559, 5457, 5533, 5402, 5496, 5326, 5466, 5426, 5352, 5682, 5379, 5478, 5720, 5333, 5438, 5277, 5374, 5341, 5446, 5558, 5267, 5510, 5470, 5668, 5366, 5382, 5480, 5523, 5421, 5482, 5605, 5335, 5678 (14 hits)
29	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5696, 5624, 5588, 5272, 5314, 5408, 5396, 5494, 5254, 5574, 5290, 5443, 5346, 5444, 5522, 5250, 5356, 5362, 5260, 5534, 5569, 5491, 5329, 5338, 5607, 5692, 5593, 5637, 5488, 5608, 5419, 5669, 5319, 5361, 5481, 5273, 5621, 5683, 5339, 5490, 5340, 5633, 5453, 5549, 5435, 5367, 5251, 5645, 5441, 5612, 5360, 5532, 5654, 5564, 5698, 5572, 5458, 5502, 5641, 5477, 5699, 5407, 5355, 5302, 5636, 5509, 5505, 5616, 5253, 5487, 5562, 5252, 5590, 5726, 5709, 5531, 5711, 5283, 5687, 5391, 5437, 5322, 5677, 5474, 5610, 5431, 5555, 5543, 5292, 5640, 5450, 5497, 5682, 5412, 5685, 5445, 5455, 5691, 5401, 5299 (14 hits)
30	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5700, 5709, 5320, 5492, 5268, 5507, 5458, 5345, 5405, 5535, 5632, 5681, 5404, 5455, 5518, 5506, 5297, 5494, 5578, 5585, 5353, 5368, 5426, 5595, 5555, 5423, 5254, 5305, 5339, 5504, 5725, 5332, 5520, 5369, 5525, 5428, 5432, 5384, 5576, 5591, 5355, 5617, 5501, 5683, 5357, 5382, 5343, 5559, 5646, 5551, 5442, 5548, 5306, 5592, 5666, 5256, 5693, 5395, 5566, 5409, 5579, 5534, 5260, 5303, 5407, 5321, 5698, 5628, 5634, 5610, 5710, 5302, 5537, 5697, 5313, 5263, 5291, 5613, 5399, 5277, 5682, 5658, 5511, 5502, 5690, 5281, 5660, 5496, 5722, 5527, 5286, 5587, 5273, 5298, 5571, 5463, 5474, 5489, 5605, 5470 (20 hits)
31	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5487, 5708, 5565, 5671, 5467, 5300, 5428, 5571, 5651, 5363, 5527, 5292, 5408, 5344, 5342, 5715, 5680, 5354, 5545, 5399, 5465, 5324, 5511, 5652, 5369, 5250, 5295, 5289, 5724, 5599, 5723, 5285, 5478, 5589, 5639, 5379, 5388, 5412,

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5693, 5577, 5617, 5681, 5392, 5526, 5422, 5722, 5504, 5293, 5274, 5433, 5553, 5270, 5579, 5632, 5400, 5372, 5687, 5273, 5435, 5633, 5358, 5321, 5437, 5683, 5513, 5410, 5296, 5660, 5280, 5670, 5508, 5499, 5287, 5645, 5330, 5460, 5365, 5557, 5298, 5276, 5491, 5507, 5535, 5360, 5575, 5701, 5458, 5574, 5603, 5351, 5260, 5648, 5446, 5311, 5588, 5425, 5666, 5538, 5367, 5583 (14 hits)
32	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5693, 5578, 5657, 5658, 5495, 5671, 5256, 5416, 5587, 5662, 5663, 5505, 5270, 5524, 5383, 5603, 5446, 5327, 5668, 5296, 5504, 5317, 5569, 5675, 5566, 5602, 5413, 5462, 5685, 5298, 5483, 5616, 5622, 5467, 5489, 5552, 5458, 5680, 5593, 5400, 5424, 5688, 5466, 5497, 5445, 5508, 5706, 5521, 5691, 5586, 5713, 5636, 5338, 5366, 5620, 5571, 5453, 5577, 5469, 5379, 5539, 5406, 5698, 5649, 5269, 5359, 5261, 5565, 5371, 5476, 5308, 5494, 5583, 5460, 5633, 5509, 5724, 5303, 5345, 5293, 5484, 5442, 5376, 5550, 5579, 5390, 5341, 5501, 5378, 5372, 5507, 5683, 5502, 5523, 5353, 5385, 5536, 5573, 5506, 5701 (20 hits)
33	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5563, 5608, 5452, 5652, 5346, 5721, 5371, 5345, 5349, 5262, 5595, 5330, 5454, 5627, 5350, 5302, 5407, 5356, 5273, 5337, 5685, 5485, 5714, 5392, 5424, 5659, 5590, 5666, 5322, 5396, 5416, 5363, 5567, 5469, 5315, 5326, 5369, 5541, 5542, 5639, 5698, 5417, 5570, 5403, 5583, 5433, 5309, 5584, 5445, 5437, 5538, 5332, 5588, 5395, 5440, 5710, 5607, 5501, 5404, 5306, 5506, 5436, 5352, 5365, 5301, 5612, 5705, 5498, 5513, 5638, 5576, 5328, 5665, 5374, 5320, 5413, 5305, 5572, 5458, 5719, 5461, 5255, 5251, 5543, 5318, 5264, 5682, 5483, 5508, 5715, 5613, 5385, 5313, 5372, 5500, 5623, 5564, 5453, 5303, 5629 (12 hits)
34	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5524, 5393, 5659, 5446, 5405, 5629, 5545, 5577, 5647, 5402, 5686, 5437, 5374, 5709, 5280, 5601, 5566, 5353, 5586, 5714, 5316, 5559, 5567, 5278, 5673, 5631, 5645, 5482, 5490, 5367, 5551, 5620, 5338, 5597, 5653, 5679, 5492, 5315, 5684, 5508, 5722, 5535, 5304, 5303, 5681, 5423, 5554, 5450, 5514, 5695, 5403, 5332, 5571, 5509, 5460, 5568, 5417, 5438, 5256, 5469, 5614, 5505, 5575, 5378, 5462, 5312, 5309, 5590, 5660, 5704, 5651, 5531, 5562, 5451, 5252, 5376, 5667, 5305, 5300, 5573, 5543, 5591, 5528, 5563, 5394, 5526, 5550, 5491, 5351, 5685, 5348, 5723, 5638, 5368, 5706, 5547, 5359, 5529, 5669, 5395 (20 hits)
35	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5616, 5375, 5681, 5567, 5264, 5535, 5355, 5290, 5653, 5354, 5279, 5416, 5650, 5479, 5273, 5624, 5393, 5352, 5345, 5414, 5604, 5400, 5312, 5545, 5677, 5582, 5543, 5501, 5422, 5647, 5403, 5319, 5468, 5381, 5581, 5548, 5304, 5595, 5408, 5465, 5538, 5514, 5298, 5263, 5329, 5433, 5691, 5546, 5340, 5665, 5380, 5707, 5666, 5618, 5532, 5467, 5379, 5418, 5527, 5702, 5309, 5257, 5451, 5251, 5505, 5529, 5504, 5498, 5700, 5628, 5621, 5629, 5347, 5518, 5448, 5447, 5348, 5450, 5525, 5268, 5709, 5724, 5371, 5366, 5274, 5459, 5301, 5576, 5658, 5500, 5398, 5670, 5673, 5714, 5684, 5327, 5252, 5589, 5427, 5574 (17 hits)
36	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5676, 5685, 5466, 5628, 5342, 5551, 5632, 5405, 5520, 5563, 5712, 5641, 5258, 5541, 5645, 5617, 5636, 5672, 5379, 5368, 5590, 5468, 5720, 5336, 5695, 5260, 5360, 5633, 5502, 5359, 5463, 5598, 5611, 5581, 5275, 5404, 5282, 5612, 5516, 5675, 5498, 5657, 5402, 5408, 5684, 5577, 5523, 5304, 5652, 5369, 5501, 5534, 5488, 5310, 5680, 5347, 5525, 5308, 5538, 5706, 5689, 5358, 5487, 5285, 5664, 5640, 5272, 5362, 5259, 5322, 5363, 5270, 5386, 5489, 5621, 5263, 5662, 5527,

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5679, 5413, 5313, 5400, 5289, 5627, 5283, 5532, 5416, 5716, 5669, 5483, 5553, 5458, 5267, 5606, 5419, 5460, 5327, 5570, 5455, 5442 (15 hits)
37	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5563, 5464, 5329, 5602, 5334, 5443, 5531, 5441, 5622, 5486, 5430, 5273, 5289, 5725, 5595, 5265, 5690, 5628, 5259, 5568, 5306, 5521, 5468, 5476, 5679, 5539, 5258, 5717, 5542, 5574, 5534, 5526, 5472, 5479, 5649, 5437, 5276, 5428, 5570, 5282, 5612, 5340, 5664, 5255, 5639, 5482, 5438, 5325, 5659, 5361, 5669, 5470, 5333, 5283, 5307, 5404, 5284, 5400, 5270, 5689, 5565, 5617, 5543, 5629, 5511, 5572, 5558, 5431, 5509, 5553, 5485, 5618, 5310, 5275, 5643, 5281, 5368, 5446, 5496, 5374, 5667, 5569, 5465, 5578, 5484, 5633, 5661, 5529, 5546, 5640, 5681, 5682, 5597, 5714, 5480, 5392, 5530, 5303, 5488, 5384 (17 hits)
38	9	1.0	333.0	Yes	5509.0MHz, -64.0dBm	Hop sequence: 5719, 5339, 5509, 5397, 5304, 5384, 5589, 5296, 5342, 5686, 5291, 5424, 5274, 5725, 5252, 5597, 5575, 5358, 5652, 5553, 5407, 5648, 5263, 5617, 5510, 5538, 5337, 5351, 5484, 5487, 5251, 5285, 5403, 5519, 5561, 5258, 5658, 5503, 5703, 5618, 5440, 5421, 5505, 5381, 5271, 5673, 5372, 5645, 5612, 5643, 5430, 5677, 5432, 5722, 5654, 5640, 5593, 5681, 5684, 5391, 5380, 5445, 5614, 5294, 5671, 5638, 5653, 5390, 5382, 5607, 5321, 5402, 5542, 5566, 5531, 5552, 5413, 5635, 5530, 5345, 5452, 5426, 5393, 5499, 5583, 5558, 5637, 5543, 5472, 5714, 5303, 5395, 5662, 5461, 5633, 5713, 5492, 5567, 5438, 5368 (16 hits)
39	9	1.0	333.0	Yes	5510.0MHz, -64.0dBm	Hop sequence: 5376, 5269, 5272, 5643, 5384, 5374, 5652, 5523, 5293, 5261, 5650, 5585, 5349, 5340, 5481, 5394, 5628, 5358, 5512, 5663, 5363, 5516, 5712, 5705, 5645, 5309, 5609, 5551, 5622, 5280, 5285, 5353, 5692, 5682, 5413, 5459, 5680, 5691, 5321, 5375, 5255, 5598, 5556, 5490, 5683, 5328, 5411, 5634, 5425, 5433, 5521, 5577, 5626, 5533, 5295, 5418, 5286, 5572, 5706, 5596, 5276, 5620, 5472, 5291, 5275, 5501, 5463, 5443, 5624, 5421, 5688, 5662, 5559, 5638, 5579, 5270, 5586, 5262, 5719, 5723, 5716, 5725, 5548, 5468, 5359, 5676, 5314, 5308, 5436, 5710, 5332, 5348, 5715, 5446, 5397, 5351, 5610, 5581, 5310, 5690 (10 hits)
40	9	1.0	333.0	Yes	5511.0MHz, -64.0dBm	Hop sequence: 5681, 5307, 5597, 5569, 5648, 5401, 5540, 5482, 5292, 5400, 5283, 5479, 5496, 5369, 5487, 5391, 5517, 5367, 5550, 5299, 5652, 5484, 5405, 5361, 5717, 5316, 5551, 5406, 5707, 5583, 5562, 5521, 5422, 5291, 5500, 5555, 5508, 5653, 5317, 5676, 5559, 5280, 5576, 5667, 5438, 5326, 5464, 5310, 5693, 5678, 5373, 5568, 5255, 5504, 5499, 5492, 5250, 5706, 5329, 5502, 5363, 5428, 5581, 5591, 5522, 5501, 5624, 5674, 5642, 5477, 5611, 5345, 5554, 5442, 5288, 5394, 5546, 5409, 5608, 5427, 5680, 5289, 5725, 5458, 5602, 5574, 5704, 5703, 5441, 5375, 5494, 5320, 5710, 5449, 5662, 5563, 5397, 5267, 5584, 5331 (20 hits)
41	9	1.0	333.0	Yes	5512.0MHz, -64.0dBm	Hop sequence: 5575, 5504, 5385, 5319, 5377, 5680, 5421, 5519, 5388, 5671, 5641, 5537, 5257, 5548, 5345, 5455, 5402, 5295, 5463, 5358, 5410, 5506, 5583, 5678, 5638, 5724, 5406, 5253, 5657, 5280, 5561, 5652, 5611, 5670, 5356, 5639, 5300, 5686, 5267, 5434, 5460, 5587, 5416, 5520, 5656, 5404, 5472, 5391, 5625, 5645, 5578, 5420, 5323, 5264, 5654, 5301, 5692, 5623, 5514, 5648, 5557, 5556, 5251, 5394, 5324, 5710, 5446, 5289, 5438, 5673, 5608, 5554, 5513, 5508, 5684, 5347, 5619, 5534, 5655, 5647, 5502, 5328, 5370, 5332, 5281, 5675, 5335, 5373, 5630, 5478, 5381, 5362, 5498, 5315, 5320, 5593, 5468, 5632, 5471, 5664 (16 hits)

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
42	9	1.0	333.0	Yes	5513.0MHz, -64.0dBm	Hop sequence: 5511, 5719, 5313, 5469, 5270, 5459, 5467, 5461, 5439, 5448, 5325, 5717, 5708, 5262, 5562, 5701, 5680, 5343, 5299, 5428, 5475, 5669, 5604, 5315, 5419, 5540, 5506, 5474, 5288, 5653, 5713, 5373, 5710, 5650, 5515, 5389, 5507, 5424, 5602, 5277, 5260, 5620, 5283, 5326, 5718, 5438, 5489, 5496, 5432, 5692, 5415, 5623, 5724, 5581, 5655, 5726, 5486, 5289, 5549, 5493, 5423, 5357, 5359, 5412, 5570, 5635, 5399, 5284, 5375, 5372, 5344, 5488, 5471, 5425, 5484, 5413, 5594, 5282, 5286, 5660, 5545, 5619, 5667, 5624, 5269, 5574, 5440, 5318, 5622, 5338, 5335, 5302, 5693, 5406, 5436, 5494, 5342, 5639, 5590, 5433 (10 hits)
43	9	1.0	333.0	Yes	5514.0MHz, -64.0dBm	Hop sequence: 5499, 5269, 5601, 5418, 5677, 5629, 5424, 5292, 5704, 5323, 5660, 5552, 5508, 5627, 5634, 5513, 5597, 5462, 5521, 5649, 5413, 5599, 5617, 5484, 5669, 5370, 5566, 5571, 5707, 5386, 5700, 5297, 5644, 5460, 5286, 5638, 5706, 5550, 5549, 5264, 5708, 5673, 5636, 5542, 5516, 5467, 5406, 5252, 5399, 5600, 5401, 5650, 5426, 5335, 5667, 5716, 5580, 5415, 5265, 5510, 5714, 5655, 5486, 5319, 5325, 5493, 5449, 5559, 5671, 5312, 5545, 5605, 5518, 5251, 5528, 5333, 5307, 5703, 5332, 5540, 5504, 5350, 5400, 5271, 5664, 5347, 5520, 5632, 5711, 5263, 5322, 5561, 5337, 5573, 5675, 5315, 5710, 5309, 5253, 5569 (19 hits)
44	9	1.0	333.0	Yes	5515.0MHz, -64.0dBm	Hop sequence: 5652, 5361, 5295, 5280, 5422, 5512, 5430, 5625, 5429, 5269, 5623, 5716, 5285, 5516, 5519, 5627, 5532, 5567, 5530, 5304, 5355, 5421, 5389, 5508, 5557, 5613, 5426, 5612, 5411, 5465, 5271, 5529, 5267, 5363, 5356, 5357, 5537, 5321, 5428, 5322, 5539, 5462, 5486, 5446, 5585, 5574, 5640, 5628, 5364, 5624, 5378, 5591, 5396, 5441, 5367, 5286, 5307, 5527, 5571, 5543, 5599, 5535, 5594, 5528, 5270, 5724, 5556, 5262, 5586, 5505, 5718, 5545, 5609, 5481, 5400, 5581, 5386, 5619, 5414, 5412, 5410, 5312, 5563, 5517, 5493, 5284, 5637, 5518, 5467, 5638, 5471, 5569, 5525, 5401, 5499, 5353, 5669, 5575, 5660, 5472 (22 hits)
45	9	1.0	333.0	Yes	5516.0MHz, -64.0dBm	Hop sequence: 5303, 5620, 5657, 5340, 5721, 5653, 5539, 5512, 5290, 5457, 5372, 5692, 5722, 5467, 5371, 5460, 5424, 5307, 5382, 5423, 5513, 5648, 5627, 5636, 5347, 5529, 5454, 5384, 5685, 5517, 5296, 5621, 5548, 5355, 5505, 5392, 5560, 5264, 5640, 5409, 5299, 5377, 5469, 5616, 5709, 5431, 5345, 5486, 5435, 5350, 5660, 5501, 5441, 5465, 5305, 5658, 5463, 5412, 5590, 5644, 5594, 5613, 5496, 5534, 5652, 5385, 5706, 5450, 5269, 5413, 5366, 5480, 5500, 5250, 5526, 5687, 5654, 5477, 5583, 5341, 5254, 5462, 5694, 5629, 5637, 5251, 5425, 5604, 5545, 5309, 5426, 5701, 5549, 5461, 5544, 5406, 5723, 5563, 5464, 5587 (17 hits)
46	9	1.0	333.0	Yes	5517.0MHz, -64.0dBm	Hop sequence: 5346, 5651, 5536, 5338, 5344, 5310, 5418, 5705, 5329, 5502, 5439, 5574, 5454, 5503, 5291, 5619, 5725, 5681, 5420, 5558, 5694, 5526, 5467, 5663, 5293, 5551, 5416, 5537, 5334, 5687, 5380, 5390, 5643, 5313, 5464, 5543, 5534, 5634, 5324, 5636, 5496, 5397, 5319, 5597, 5605, 5482, 5326, 5492, 5608, 5549, 5483, 5404, 5547, 5275, 5527, 5645, 5531, 5486, 5674, 5356, 5559, 5598, 5276, 5391, 5528, 5511, 5252, 5520, 5285, 5474, 5481, 5340, 5377, 5282, 5724, 5266, 5622, 5360, 5660, 5704, 5611, 5417, 5302, 5703, 5599, 5565, 5661, 5629, 5682, 5395, 5295, 5612, 5382, 5424, 5421, 5259, 5590, 5288, 5494, 5633 (20 hits)
47	9	1.0	333.0	Yes	5518.0MHz, -64.0dBm	Hop sequence: 5428, 5327, 5701, 5533, 5591, 5303, 5338, 5586, 5605, 5309, 5670, 5564, 5427, 5397, 5463, 5342, 5439, 5355, 5252, 5570, 5480, 5442, 5256, 5315, 5449, 5297, 5690, 5368, 5255, 5334, 5410, 5633, 5697, 5420, 5485, 5613, 5627, 5391,

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5453, 5703, 5723, 5712, 5479, 5685, 5529, 5642, 5446, 5635, 5261, 5373, 5644, 5299, 5590, 5483, 5699, 5554, 5534, 5400, 5424, 5383, 5472, 5302, 5429, 5474, 5268, 5369, 5259, 5672, 5306, 5722, 5573, 5666, 5599, 5569, 5353, 5379, 5492, 5434, 5288, 5676, 5284, 5523, 5477, 5509, 5540, 5496, 5367, 5535, 5714, 5593, 5437, 5266, 5618, 5406, 5417, 5258, 5718, 5322, 5435, 5683 (10 hits)
48	9	1.0	333.0	Yes	5519.0MHz, -64.0dBm	Hop sequence: 5643, 5353, 5644, 5484, 5480, 5424, 5487, 5403, 5324, 5310, 5334, 5701, 5381, 5647, 5602, 5398, 5454, 5387, 5422, 5684, 5578, 5650, 5668, 5427, 5681, 5338, 5670, 5580, 5457, 5515, 5525, 5584, 5690, 5618, 5579, 5640, 5432, 5328, 5383, 5392, 5408, 5581, 5272, 5428, 5413, 5330, 5393, 5635, 5292, 5699, 5707, 5274, 5596, 5594, 5254, 5500, 5449, 5502, 5366, 5564, 5498, 5535, 5450, 5363, 5452, 5711, 5590, 5317, 5289, 5318, 5323, 5669, 5627, 5423, 5720, 5294, 5595, 5257, 5326, 5309, 5541, 5360, 5522, 5685, 5468, 5439, 5723, 5373, 5410, 5554, 5388, 5401, 5316, 5526, 5362, 5386, 5459, 5359, 5629, 5299 (11 hits)
49	9	1.0	333.0	Yes	5520.0MHz, -64.0dBm	Hop sequence: 5455, 5344, 5676, 5723, 5572, 5625, 5516, 5615, 5502, 5643, 5671, 5447, 5497, 5700, 5634, 5309, 5688, 5471, 5279, 5302, 5304, 5462, 5299, 5549, 5449, 5568, 5603, 5395, 5250, 5287, 5623, 5685, 5264, 5433, 5662, 5707, 5460, 5612, 5422, 5532, 5531, 5362, 5259, 5595, 5514, 5659, 5369, 5664, 5714, 5290, 5510, 5441, 5280, 5401, 5617, 5608, 5274, 5417, 5398, 5262, 5588, 5333, 5337, 5718, 5546, 5358, 5523, 5377, 5504, 5536, 5429, 5380, 5394, 5273, 5272, 5666, 5601, 5557, 5466, 5474, 5535, 5402, 5312, 5307, 5611, 5288, 5331, 5505, 5346, 5663, 5296, 5261, 5675, 5478, 5657, 5479, 5586, 5263, 5543, 5301 (16 hits)
50	9	1.0	333.0	Yes	5521.0MHz, -64.0dBm	Hop sequence: 5549, 5531, 5653, 5275, 5459, 5605, 5678, 5507, 5286, 5705, 5659, 5318, 5545, 5642, 5555, 5344, 5660, 5457, 5293, 5446, 5606, 5612, 5374, 5712, 5442, 5277, 5443, 5400, 5257, 5547, 5300, 5454, 5693, 5640, 5624, 5490, 5529, 5373, 5533, 5558, 5720, 5281, 5486, 5389, 5271, 5353, 5714, 5501, 5572, 5584, 5673, 5709, 5588, 5358, 5604, 5402, 5591, 5379, 5585, 5692, 5427, 5528, 5380, 5502, 5267, 5470, 5652, 5550, 5350, 5356, 5259, 5469, 5498, 5392, 5595, 5512, 5251, 5621, 5537, 5348, 5719, 5423, 5274, 5581, 5335, 5638, 5656, 5480, 5479, 5362, 5384, 5718, 5484, 5684, 5424, 5363, 5452, 5325, 5575, 5497 (17 hits)
51	9	1.0	333.0	Yes	5522.0MHz, -64.0dBm	Hop sequence: 5489, 5416, 5300, 5449, 5338, 5374, 5591, 5710, 5670, 5413, 5317, 5475, 5575, 5331, 5254, 5646, 5675, 5714, 5690, 5685, 5477, 5282, 5629, 5422, 5278, 5340, 5309, 5326, 5319, 5508, 5323, 5377, 5681, 5378, 5671, 5344, 5574, 5500, 5498, 5361, 5445, 5630, 5292, 5264, 5313, 5266, 5612, 5360, 5653, 5578, 5334, 5436, 5620, 5286, 5549, 5631, 5423, 5350, 5688, 5721, 5466, 5425, 5472, 5527, 5462, 5339, 5419, 5682, 5674, 5699, 5487, 5551, 5307, 5553, 5586, 5421, 5308, 5645, 5660, 5314, 5473, 5457, 5333, 5252, 5276, 5304, 5329, 5371, 5651, 5506, 5668, 5559, 5358, 5404, 5560, 5390, 5455, 5649, 5403, 5592 (10 hits)
52	9	1.0	333.0	Yes	5523.0MHz, -64.0dBm	Hop sequence: 5517, 5376, 5547, 5667, 5532, 5646, 5557, 5633, 5392, 5424, 5684, 5591, 5574, 5463, 5262, 5338, 5706, 5498, 5335, 5718, 5609, 5555, 5490, 5558, 5643, 5618, 5519, 5647, 5635, 5439, 5502, 5283, 5617, 5457, 5420, 5257, 5583, 5345, 5372, 5531, 5324, 5419, 5596, 5650, 5518, 5366, 5309, 5614, 5581, 5384, 5285, 5630, 5466, 5515, 5374, 5396, 5265, 5675, 5432, 5297, 5703, 5387, 5639, 5524, 5528, 5713, 5254, 5440, 5476, 5621, 5369, 5659, 5707, 5276, 5590, 5355, 5495, 5645,

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5570, 5589, 5671, 5553, 5330, 5546, 5512, 5425, 5710, 5402, 5672, 5595, 5252, 5461, 5278, 5331, 5480, 5397, 5344, 5337, 5511, 5615 (19 hits)
53	9	1.0	333.0	Yes	5524.0MHz, -64.0dBm	Hop sequence: 5595, 5459, 5592, 5422, 5344, 5313, 5288, 5305, 5394, 5353, 5388, 5579, 5283, 5715, 5552, 5572, 5278, 5409, 5580, 5562, 5379, 5406, 5282, 5454, 5440, 5640, 5413, 5702, 5266, 5263, 5680, 5599, 5434, 5493, 5621, 5653, 5591, 5261, 5297, 5415, 5712, 5254, 5716, 5330, 5704, 5290, 5615, 5514, 5631, 5400, 5593, 5466, 5376, 5658, 5608, 5337, 5613, 5614, 5722, 5451, 5530, 5527, 5359, 5467, 5607, 5347, 5465, 5528, 5713, 5366, 5605, 5687, 5428, 5563, 5507, 5310, 5358, 5588, 5487, 5505, 5450, 5606, 5486, 5346, 5492, 5438, 5446, 5336, 5448, 5468, 5496, 5602, 5636, 5511, 5397, 5431, 5301, 5480, 5576, 5551 (12 hits)
54	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5609, 5473, 5350, 5369, 5275, 5569, 5452, 5468, 5571, 5684, 5477, 5726, 5429, 5589, 5262, 5444, 5651, 5319, 5459, 5591, 5396, 5344, 5438, 5638, 5633, 5556, 5720, 5469, 5371, 5401, 5619, 5713, 5493, 5521, 5323, 5280, 5462, 5560, 5437, 5316, 5721, 5654, 5480, 5663, 5379, 5626, 5578, 5261, 5380, 5524, 5295, 5597, 5603, 5470, 5595, 5615, 5254, 5657, 5259, 5557, 5416, 5346, 5389, 5561, 5703, 5251, 5716, 5432, 5568, 5310, 5283, 5292, 5453, 5298, 5573, 5489, 5500, 5648, 5276, 5677, 5698, 5644, 5585, 5487, 5472, 5315, 5417, 5290, 5313, 5407, 5366, 5588, 5558, 5709, 5719, 5384, 5693, 5260, 5355, 5536 (9 hits)
55	9	1.0	333.0	Yes	5526.0MHz, -64.0dBm	Hop sequence: 5575, 5507, 5631, 5603, 5672, 5367, 5392, 5651, 5391, 5420, 5604, 5606, 5556, 5359, 5711, 5583, 5383, 5300, 5700, 5652, 5545, 5579, 5572, 5347, 5287, 5253, 5597, 5312, 5402, 5704, 5618, 5513, 5364, 5501, 5311, 5397, 5626, 5593, 5321, 5683, 5721, 5316, 5422, 5384, 5427, 5640, 5483, 5376, 5619, 5576, 5670, 5484, 5565, 5717, 5687, 5625, 5503, 5337, 5348, 5342, 5574, 5621, 5469, 5553, 5508, 5551, 5710, 5493, 5699, 5389, 5591, 5345, 5559, 5419, 5375, 5712, 5262, 5623, 5601, 5628, 5531, 5445, 5649, 5331, 5464, 5602, 5260, 5381, 5449, 5293, 5588, 5554, 5291, 5273, 5385, 5677, 5653, 5280, 5318, 5615 (13 hits)
56	9	1.0	333.0	Yes	5527.0MHz, -64.0dBm	Hop sequence: 5475, 5429, 5268, 5324, 5666, 5369, 5359, 5637, 5703, 5571, 5308, 5434, 5395, 5723, 5519, 5433, 5300, 5404, 5472, 5477, 5391, 5280, 5309, 5592, 5524, 5535, 5390, 5576, 5665, 5478, 5575, 5553, 5700, 5344, 5470, 5720, 5587, 5260, 5533, 5671, 5507, 5627, 5409, 5306, 5458, 5372, 5337, 5349, 5262, 5547, 5636, 5527, 5423, 5710, 5291, 5354, 5663, 5465, 5339, 5685, 5276, 5618, 5593, 5596, 5463, 5380, 5426, 5616, 5348, 5385, 5708, 5399, 5323, 5368, 5295, 5388, 5338, 5580, 5622, 5606, 5546, 5316, 5570, 5353, 5343, 5442, 5554, 5498, 5485, 5503, 5595, 5661, 5569, 5480, 5444, 5487, 5334, 5658, 5714, 5611 (12 hits)
57	9	1.0	333.0	Yes	5528.0MHz, -64.0dBm	Hop sequence: 5652, 5655, 5698, 5304, 5578, 5708, 5273, 5528, 5448, 5342, 5666, 5425, 5575, 5486, 5340, 5372, 5311, 5721, 5503, 5493, 5725, 5502, 5647, 5534, 5363, 5376, 5257, 5472, 5334, 5307, 5261, 5707, 5338, 5496, 5712, 5433, 5500, 5325, 5414, 5343, 5467, 5395, 5319, 5510, 5462, 5432, 5301, 5490, 5591, 5309, 5488, 5346, 5478, 5353, 5694, 5380, 5531, 5275, 5323, 5459, 5449, 5678, 5418, 5662, 5648, 5637, 5498, 5697, 5259, 5457, 5411, 5518, 5315, 5632, 5487, 5677, 5690, 5615, 5627, 5281, 5592, 5663, 5538, 5282, 5253, 5297, 5424, 5465, 5695, 5416, 5639, 5529, 5324, 5610, 5396, 5716, 5333, 5378, 5483, 5566 (13 hits)

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
58	9	1.0	333.0	Yes	5529.0MHz, -64.0dBm	Hop sequence: 5604, 5655, 5617, 5694, 5358, 5642, 5675, 5697, 5545, 5509, 5707, 5380, 5505, 5553, 5532, 5253, 5469, 5334, 5542, 5589, 5693, 5490, 5371, 5544, 5410, 5272, 5274, 5602, 5282, 5626, 5670, 5484, 5290, 5330, 5548, 5497, 5473, 5452, 5611, 5681, 5378, 5529, 5297, 5609, 5527, 5673, 5388, 5549, 5537, 5668, 5649, 5463, 5616, 5498, 5451, 5534, 5291, 5289, 5507, 5340, 5638, 5401, 5418, 5686, 5431, 5584, 5672, 5550, 5590, 5374, 5351, 5539, 5535, 5423, 5515, 5674, 5467, 5519, 5265, 5429, 5283, 5352, 5450, 5546, 5680, 5373, 5647, 5719, 5287, 5354, 5292, 5679, 5453, 5523, 5656, 5426, 5400, 5536, 5657, 5575 (24 hits)
59	9	1.0	333.0	Yes	5530.0MHz, -64.0dBm	Hop sequence: 5431, 5572, 5370, 5720, 5674, 5619, 5299, 5310, 5699, 5345, 5267, 5642, 5686, 5725, 5325, 5593, 5342, 5408, 5265, 5561, 5658, 5465, 5333, 5480, 5672, 5554, 5390, 5616, 5635, 5576, 5356, 5369, 5351, 5488, 5661, 5689, 5655, 5571, 5632, 5706, 5438, 5322, 5328, 5283, 5539, 5252, 5277, 5515, 5371, 5602, 5534, 5368, 5556, 5477, 5273, 5679, 5516, 5574, 5653, 5511, 5324, 5382, 5587, 5525, 5281, 5489, 5446, 5495, 5284, 5460, 5297, 5618, 5331, 5415, 5688, 5660, 5628, 5473, 5329, 5724, 5466, 5263, 5544, 5503, 5433, 5448, 5505, 5347, 5705, 5611, 5462, 5308, 5313, 5486, 5687, 5709, 5521, 5588, 5558, 5721 (15 hits)
60	9	1.0	333.0	Yes	5531.0MHz, -64.0dBm	Hop sequence: 5503, 5554, 5330, 5505, 5464, 5318, 5619, 5265, 5652, 5353, 5256, 5506, 5703, 5709, 5343, 5487, 5482, 5578, 5443, 5285, 5691, 5564, 5272, 5538, 5363, 5718, 5366, 5521, 5448, 5270, 5427, 5647, 5681, 5276, 5259, 5570, 5499, 5582, 5660, 5540, 5528, 5608, 5600, 5377, 5422, 5277, 5342, 5633, 5704, 5262, 5526, 5260, 5376, 5334, 5605, 5555, 5420, 5456, 5463, 5530, 5257, 5595, 5501, 5299, 5449, 5645, 5668, 5403, 5424, 5622, 5367, 5411, 5372, 5452, 5559, 5319, 5252, 5479, 5710, 5406, 5693, 5340, 5497, 5311, 5525, 5418, 5385, 5489, 5535, 5402, 5636, 5358, 5295, 5389, 5405, 5323, 5398, 5603, 5574, 5523 (19 hits)
61	9	1.0	333.0	Yes	5532.0MHz, -64.0dBm	Hop sequence: 5707, 5420, 5402, 5578, 5285, 5350, 5570, 5692, 5716, 5341, 5264, 5598, 5406, 5317, 5286, 5509, 5337, 5424, 5356, 5579, 5302, 5575, 5655, 5373, 5293, 5374, 5316, 5283, 5677, 5670, 5700, 5662, 5475, 5338, 5314, 5546, 5294, 5558, 5539, 5721, 5352, 5618, 5454, 5357, 5429, 5303, 5541, 5349, 5378, 5364, 5484, 5547, 5322, 5499, 5690, 5366, 5669, 5592, 5577, 5393, 5494, 5485, 5502, 5638, 5667, 5355, 5434, 5585, 5529, 5668, 5694, 5369, 5449, 5336, 5523, 5590, 5569, 5354, 5448, 5307, 5258, 5646, 5411, 5633, 5596, 5689, 5493, 5353, 5527, 5552, 5715, 5688, 5610, 5476, 5698, 5427, 5295, 5347, 5368, 5265 (13 hits)
62	9	1.0	333.0	Yes	5533.0MHz, -64.0dBm	Hop sequence: 5390, 5557, 5541, 5618, 5376, 5592, 5450, 5626, 5668, 5423, 5356, 5478, 5410, 5397, 5336, 5634, 5519, 5301, 5253, 5489, 5295, 5643, 5577, 5327, 5468, 5516, 5277, 5550, 5576, 5303, 5545, 5677, 5430, 5553, 5511, 5343, 5687, 5472, 5367, 5422, 5475, 5703, 5438, 5573, 5260, 5360, 5604, 5497, 5676, 5393, 5320, 5265, 5508, 5391, 5358, 5520, 5463, 5372, 5419, 5349, 5672, 5467, 5446, 5286, 5558, 5396, 5615, 5447, 5404, 5464, 5585, 5414, 5329, 5484, 5297, 5669, 5556, 5635, 5270, 5294, 5432, 5571, 5631, 5392, 5713, 5580, 5377, 5331, 5641, 5346, 5616, 5394, 5440, 5500, 5471, 5570, 5666, 5637, 5400, 5678 (14 hits)
63	9	1.0	333.0	Yes	5534.0MHz, -64.0dBm	Hop sequence: 5341, 5346, 5512, 5384, 5602, 5368, 5318, 5377, 5361, 5702, 5574, 5619, 5570, 5347, 5573, 5474, 5721, 5558, 5359, 5545, 5666, 5344, 5330, 5466, 5622, 5477, 5621, 5549, 5662, 5502, 5336, 5709, 5690, 5716, 5538, 5724, 5498, 5657,

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5553, 5407, 5629, 5509, 5389, 5292, 5571, 5561, 5566, 5447, 5339, 5329, 5635, 5694, 5506, 5521, 5403, 5441, 5351, 5686, 5676, 5542, 5583, 5586, 5539, 5560, 5494, 5423, 5278, 5440, 5436, 5424, 5478, 5546, 5658, 5251, 5703, 5459, 5410, 5448, 5650, 5360, 5559, 5395, 5682, 5399, 5610, 5693, 5428, 5569, 5437, 5595, 5572, 5326, 5378, 5517, 5565, 5698, 5271, 5508, 5589, 5687 (22 hits)
64	9	1.0	333.0	Yes	5535.0MHz, -64.0dBm	Hop sequence: 5712, 5650, 5559, 5610, 5549, 5710, 5685, 5548, 5454, 5437, 5717, 5376, 5491, 5613, 5436, 5494, 5505, 5251, 5287, 5462, 5288, 5647, 5484, 5485, 5456, 5303, 5675, 5563, 5373, 5536, 5448, 5410, 5393, 5673, 5486, 5332, 5543, 5400, 5258, 5654, 5264, 5321, 5596, 5585, 5404, 5526, 5658, 5541, 5309, 5527, 5627, 5655, 5520, 5295, 5290, 5556, 5337, 5322, 5496, 5600, 5387, 5271, 5633, 5420, 5259, 5561, 5304, 5533, 5643, 5443, 5618, 5345, 5682, 5323, 5515, 5652, 5722, 5692, 5370, 5396, 5620, 5320, 5638, 5700, 5406, 5504, 5530, 5705, 5430, 5708, 5493, 5590, 5538, 5680, 5506, 5716, 5355, 5534, 5312, 5354 (22 hits)
65	9	1.0	333.0	Yes	5536.0MHz, -64.0dBm	Hop sequence: 5257, 5523, 5439, 5525, 5377, 5487, 5461, 5413, 5698, 5677, 5371, 5705, 5478, 5514, 5668, 5606, 5511, 5354, 5465, 5260, 5666, 5681, 5264, 5389, 5485, 5440, 5521, 5496, 5381, 5630, 5286, 5355, 5575, 5661, 5401, 5711, 5663, 5289, 5620, 5686, 5491, 5574, 5493, 5563, 5408, 5394, 5688, 5349, 5449, 5372, 5347, 5419, 5475, 5431, 5520, 5609, 5258, 5516, 5274, 5464, 5645, 5534, 5576, 5656, 5619, 5391, 5319, 5387, 5366, 5632, 5598, 5448, 5331, 5640, 5311, 5519, 5676, 5513, 5659, 5316, 5568, 5423, 5634, 5543, 5312, 5343, 5501, 5638, 5357, 5708, 5550, 5573, 5278, 5583, 5410, 5538, 5626, 5655, 5506, 5613 (17 hits)
66	9	1.0	333.0	Yes	5537.0MHz, -64.0dBm	Hop sequence: 5622, 5401, 5488, 5312, 5299, 5658, 5480, 5716, 5637, 5661, 5310, 5487, 5363, 5616, 5581, 5505, 5718, 5292, 5462, 5379, 5524, 5483, 5724, 5568, 5621, 5351, 5613, 5344, 5700, 5274, 5689, 5256, 5448, 5501, 5651, 5468, 5455, 5531, 5634, 5627, 5664, 5717, 5360, 5259, 5326, 5350, 5383, 5423, 5598, 5528, 5442, 5640, 5665, 5376, 5454, 5522, 5571, 5331, 5463, 5606, 5419, 5587, 5644, 5395, 5647, 5372, 5655, 5707, 5534, 5314, 5507, 5560, 5660, 5261, 5345, 5334, 5374, 5551, 5572, 5709, 5421, 5688, 5705, 5514, 5577, 5549, 5414, 5297, 5540, 5635, 5387, 5289, 5425, 5703, 5701, 5265, 5620, 5618, 5472, 5561 (14 hits)
67	9	1.0	333.0	Yes	5538.0MHz, -64.0dBm	Hop sequence: 5307, 5641, 5702, 5253, 5278, 5588, 5284, 5700, 5405, 5696, 5598, 5415, 5302, 5421, 5605, 5685, 5407, 5410, 5250, 5723, 5715, 5582, 5577, 5498, 5374, 5408, 5601, 5303, 5548, 5289, 5472, 5397, 5381, 5416, 5468, 5313, 5549, 5580, 5701, 5402, 5457, 5448, 5252, 5377, 5669, 5364, 5256, 5369, 5712, 5615, 5434, 5495, 5704, 5528, 5411, 5419, 5672, 5466, 5437, 5670, 5658, 5596, 5315, 5482, 5370, 5624, 5610, 5418, 5260, 5647, 5578, 5266, 5555, 5680, 5611, 5617, 5520, 5600, 5522, 5579, 5371, 5276, 5251, 5462, 5656, 5486, 5523, 5558, 5591, 5606, 5453, 5692, 5502, 5487, 5279, 5521, 5254, 5443, 5565, 5483 (13 hits)
68	9	1.0	333.0	Yes	5539.0MHz, -64.0dBm	Hop sequence: 5394, 5572, 5527, 5615, 5475, 5692, 5314, 5308, 5502, 5451, 5523, 5306, 5286, 5600, 5699, 5562, 5261, 5262, 5439, 5580, 5690, 5665, 5421, 5462, 5305, 5634, 5478, 5484, 5426, 5440, 5498, 5619, 5323, 5613, 5340, 5338, 5679, 5539, 5321, 5623, 5547, 5528, 5612, 5640, 5404, 5269, 5486, 5546, 5419, 5334, 5725, 5256, 5555, 5642, 5714, 5559, 5717, 5393, 5317, 5464, 5594, 5628, 5365, 5282, 5454, 5386, 5524, 5395, 5505, 5582, 5358, 5381, 5284, 5597, 5379, 5631, 5586, 5369,

Table 46 - FCC frequency hopping radar (Type 6) Results 802.11ac 80MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5715, 5529, 5297, 5644, 5441, 5656, 5430, 5633, 5389, 5716, 5530, 5277, 5720, 5568, 5661, 5671, 5686, 5285, 5405, 5520, 5700, 5616 (16 hits)
69	9	1.0	333.0	Yes	5540.0MHz, -64.0dBm	Hop sequence: 5644, 5565, 5309, 5383, 5405, 5618, 5706, 5662, 5701, 5551, 5633, 5407, 5275, 5434, 5448, 5655, 5668, 5593, 5438, 5350, 5558, 5490, 5543, 5540, 5582, 5285, 5595, 5346, 5691, 5357, 5581, 5265, 5597, 5301, 5416, 5262, 5603, 5373, 5481, 5465, 5608, 5675, 5674, 5289, 5355, 5268, 5344, 5427, 5326, 5334, 5299, 5482, 5368, 5421, 5521, 5319, 5489, 5621, 5629, 5340, 5598, 5685, 5653, 5556, 5664, 5270, 5635, 5496, 5327, 5272, 5725, 5688, 5378, 5564, 5518, 5619, 5449, 5538, 5424, 5531, 5464, 5605, 5451, 5485, 5504, 5546, 5266, 5360, 5559, 5568, 5395, 5460, 5560, 5600, 5523, 5372, 5724, 5719, 5260, 5402 (17 hits)
70	9	1.0	333.0	Yes	5541.0MHz, -64.0dBm	Hop sequence: 5506, 5454, 5520, 5708, 5593, 5626, 5509, 5583, 5545, 5451, 5367, 5588, 5703, 5476, 5328, 5565, 5396, 5568, 5516, 5648, 5280, 5355, 5712, 5322, 5492, 5725, 5422, 5579, 5522, 5529, 5335, 5357, 5428, 5663, 5304, 5662, 5269, 5302, 5443, 5567, 5326, 5602, 5346, 5505, 5334, 5435, 5653, 5585, 5285, 5527, 5538, 5388, 5423, 5456, 5592, 5452, 5683, 5601, 5457, 5597, 5575, 5498, 5407, 5604, 5361, 5548, 5271, 5673, 5250, 5311, 5528, 5297, 5365, 5289, 5642, 5561, 5605, 5475, 5431, 5650, 5710, 5450, 5502, 5598, 5596, 5618, 5549, 5577, 5354, 5400, 5347, 5655, 5534, 5631, 5274, 5677, 5493, 5634, 5379, 5380 (18 hits)
71	9	1.0	333.0	Yes	5542.0MHz, -64.0dBm	Hop sequence: 5508, 5600, 5609, 5576, 5573, 5555, 5366, 5309, 5388, 5514, 5294, 5701, 5577, 5650, 5408, 5369, 5542, 5547, 5561, 5459, 5491, 5673, 5660, 5312, 5623, 5675, 5288, 5725, 5384, 5354, 5472, 5631, 5493, 5392, 5412, 5451, 5692, 5653, 5629, 5324, 5407, 5621, 5611, 5590, 5269, 5319, 5613, 5557, 5327, 5469, 5594, 5427, 5277, 5287, 5487, 5567, 5703, 5546, 5329, 5612, 5512, 5304, 5649, 5674, 5375, 5641, 5645, 5662, 5398, 5390, 5454, 5679, 5387, 5507, 5306, 5476, 5663, 5499, 5704, 5386, 5439, 5562, 5347, 5420, 5627, 5416, 5606, 5356, 5310, 5522, 5658, 5452, 5504, 5685, 5349, 5553, 5278, 5482, 5654, 5497 (16 hits)
72	9	1.0	333.0	Yes	5543.0MHz, -64.0dBm	Hop sequence: 5503, 5313, 5689, 5630, 5565, 5443, 5446, 5510, 5547, 5259, 5290, 5402, 5724, 5582, 5405, 5678, 5461, 5289, 5252, 5698, 5304, 5435, 5573, 5571, 5263, 5332, 5305, 5485, 5279, 5356, 5589, 5424, 5636, 5557, 5669, 5635, 5457, 5623, 5667, 5274, 5420, 5367, 5398, 5254, 5646, 5576, 5556, 5622, 5588, 5317, 5525, 5539, 5675, 5555, 5656, 5429, 5391, 5721, 5569, 5437, 5647, 5489, 5284, 5475, 5340, 5676, 5366, 5578, 5543, 5532, 5671, 5540, 5467, 5725, 5288, 5447, 5661, 5370, 5538, 5672, 5551, 5387, 5422, 5309, 5440, 5436, 5471, 5612, 5403, 5544, 5621, 5658, 5302, 5384, 5394, 5270, 5343, 5711, 5537, 5706 (16 hits)
73	9	1.0	333.0	Yes	5544.0MHz, -64.0dBm	Hop sequence: 5497, 5274, 5476, 5509, 5655, 5511, 5465, 5720, 5630, 5356, 5404, 5679, 5593, 5385, 5470, 5674, 5644, 5560, 5549, 5620, 5601, 5381, 5598, 5302, 5300, 5409, 5316, 5494, 5358, 5526, 5614, 5501, 5414, 5608, 5548, 5609, 5603, 5708, 5452, 5355, 5362, 5586, 5278, 5370, 5472, 5405, 5280, 5268, 5711, 5567, 5264, 5271, 5460, 5373, 5718, 5431, 5336, 5721, 5515, 5391, 5544, 5699, 5508, 5425, 5337, 5293, 5652, 5257, 5388, 5606, 5255, 5706, 5569, 5416, 5700, 5436, 5410, 5523, 5312, 5408, 5281, 5334, 5347, 5386, 5426, 5366, 5288, 5556, 5483, 5270, 5352, 5517, 5446, 5583, 5684, 5584, 5417, 5393, 5450, 5338 (15 hits)

Table 47 - Summary of All Results 802.11ac 20MHz (XR630)				
Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	83.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	66.7 %	60.0 %	30	PASSED
Aggregate of above results	85.8 %	80.0 %	120	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	38	PASSED
Long Sequence	83.3 %	80.0 %	30	PASSED

Table 48 - FCC Short Pulse Radar (Type 1) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
2	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
3	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
4	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
5	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
6	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
7	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
8	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
9	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
10	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
11	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
12	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
13	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
14	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
15	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
16	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
17	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
18	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
19	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
20	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
21	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
22	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
23	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
24	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
25	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
26	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
27	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
28	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
29	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
30	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst

Table 49 - FCC Short Pulse Radar (Type 2) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	29	4.9	208.0	Yes	5500.0MHz, -64.0dBm	Single burst
2	28	3.3	227.0	Yes	5495.0MHz, -64.0dBm	Single burst
3	28	4.0	218.0	Yes	5505.0MHz, -64.0dBm	Single burst
4	23	4.8	191.0	Yes	5500.0MHz, -64.0dBm	Single burst
5	23	4.6	214.0	Yes	5495.0MHz, -64.0dBm	Single burst
6	24	3.1	172.0	Yes	5505.0MHz, -64.0dBm	Single burst
7	29	4.3	222.0	Yes	5500.0MHz, -64.0dBm	Single burst
8	28	2.8	169.0	Yes	5495.0MHz, -64.0dBm	Single burst
9	26	2.1	224.0	Yes	5505.0MHz, -64.0dBm	Single burst
10	26	1.5	206.0	Yes	5500.0MHz, -64.0dBm	Single burst
11	27	1.9	213.0	Yes	5495.0MHz, -64.0dBm	Single burst
12	26	4.3	159.0	Yes	5505.0MHz, -64.0dBm	Single burst
13	26	1.5	183.0	Yes	5500.0MHz, -64.0dBm	Single burst
14	24	3.1	178.0	Yes	5495.0MHz, -64.0dBm	Single burst
15	29	4.2	152.0	Yes	5505.0MHz, -64.0dBm	Single burst
16	26	1.2	223.0	Yes	5500.0MHz, -64.0dBm	Single burst
17	27	1.7	172.0	Yes	5495.0MHz, -64.0dBm	Single burst
18	27	1.9	184.0	No	5505.0MHz, -64.0dBm	Single burst
19	24	4.2	152.0	Yes	5500.0MHz, -64.0dBm	Single burst
20	29	1.0	207.0	Yes	5495.0MHz, -64.0dBm	Single burst
21	27	3.6	167.0	Yes	5505.0MHz, -64.0dBm	Single burst
22	27	4.0	185.0	Yes	5500.0MHz, -64.0dBm	Single burst
23	25	2.0	181.0	No	5495.0MHz, -64.0dBm	Single burst
24	24	4.6	183.0	No	5505.0MHz, -64.0dBm	Single burst
25	28	1.4	209.0	No	5500.0MHz, -64.0dBm	Single burst
26	23	4.8	197.0	Yes	5495.0MHz, -64.0dBm	Single burst
27	23	4.0	151.0	Yes	5505.0MHz, -64.0dBm	Single burst
28	26	1.4	182.0	No	5500.0MHz, -64.0dBm	Single burst
29	26	3.6	196.0	Yes	5495.0MHz, -64.0dBm	Single burst
30	29	2.7	195.0	Yes	5505.0MHz, -64.0dBm	Single burst

Table 50 - FCC Short Pulse Radar (Type 3) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	16	9.1	374.0	Yes	5500.0MHz, -64.0dBm	Single burst
2	18	9.5	295.0	Yes	5495.0MHz, -64.0dBm	Single burst
3	18	8.6	355.0	Yes	5505.0MHz, -64.0dBm	Single burst
4	16	7.6	471.0	Yes	5500.0MHz, -64.0dBm	Single burst
5	17	7.9	307.0	Yes	5495.0MHz, -64.0dBm	Single burst
6	18	7.2	457.0	Yes	5505.0MHz, -64.0dBm	Single burst
7	18	9.1	472.0	Yes	5500.0MHz, -64.0dBm	Single burst
8	16	9.0	202.0	Yes	5495.0MHz, -64.0dBm	Single burst
9	18	6.1	477.0	Yes	5505.0MHz, -64.0dBm	Single burst
10	18	9.2	476.0	Yes	5500.0MHz, -64.0dBm	Single burst
11	17	9.2	255.0	Yes	5495.0MHz, -64.0dBm	Single burst
12	17	6.2	418.0	Yes	5505.0MHz, -64.0dBm	Single burst
13	18	8.9	218.0	Yes	5500.0MHz, -64.0dBm	Single burst
14	17	9.5	438.0	Yes	5495.0MHz, -64.0dBm	Single burst
15	16	8.7	276.0	Yes	5505.0MHz, -64.0dBm	Single burst
16	18	6.7	216.0	Yes	5500.0MHz, -64.0dBm	Single burst

Table 50 - FCC Short Pulse Radar (Type 3) Results 802.11ac 20MHz (XR630)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
17	17	7.2	460.0	Yes	5495.0MHz, -64.0dBm	Single burst
18	18	8.2	313.0	Yes	5505.0MHz, -64.0dBm	Single burst
19	17	8.5	496.0	Yes	5500.0MHz, -64.0dBm	Single burst
20	16	8.1	253.0	No	5495.0MHz, -64.0dBm	Single burst
21	17	9.1	273.0	Yes	5505.0MHz, -64.0dBm	Single burst
22	17	9.4	339.0	Yes	5500.0MHz, -64.0dBm	Single burst
23	17	6.9	367.0	No	5495.0MHz, -64.0dBm	Single burst
24	16	8.6	230.0	Yes	5505.0MHz, -64.0dBm	Single burst
25	18	6.7	484.0	Yes	5500.0MHz, -64.0dBm	Single burst
26	16	9.7	418.0	Yes	5495.0MHz, -64.0dBm	Single burst
27	17	7.4	228.0	Yes	5505.0MHz, -64.0dBm	Single burst
28	16	6.6	340.0	Yes	5500.0MHz, -64.0dBm	Single burst
29	17	6.3	251.0	Yes	5495.0MHz, -64.0dBm	Single burst
30	16	8.1	459.0	Yes	5505.0MHz, -64.0dBm	Single burst

Table 51 - FCC Short Pulse Radar (Type 4) Results 802.11ac 20MHz (XR630)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	13	11.9	365.0	Yes	5500.0MHz, -64.0dBm	Single burst
2	13	13.2	222.0	No	5495.0MHz, -64.0dBm	Single burst
3	14	17.7	266.0	No	5505.0MHz, -64.0dBm	Single burst
4	16	18.1	232.0	Yes	5500.0MHz, -64.0dBm	Single burst
5	15	11.2	281.0	Yes	5495.0MHz, -64.0dBm	Single burst
6	12	18.3	250.0	No	5505.0MHz, -64.0dBm	Single burst
7	13	15.9	282.0	No	5500.0MHz, -64.0dBm	Single burst
8	14	13.6	360.0	Yes	5495.0MHz, -64.0dBm	Single burst
9	16	19.4	379.0	Yes	5505.0MHz, -64.0dBm	Single burst
10	13	15.9	424.0	Yes	5500.0MHz, -64.0dBm	Single burst
11	13	17.9	487.0	Yes	5495.0MHz, -64.0dBm	Single burst
12	14	19.8	231.0	Yes	5505.0MHz, -64.0dBm	Single burst
13	15	12.9	482.0	Yes	5500.0MHz, -64.0dBm	Single burst
14	14	18.9	294.0	Yes	5495.0MHz, -64.0dBm	Single burst
15	13	19.7	395.0	Yes	5505.0MHz, -64.0dBm	Single burst
16	16	19.5	324.0	No	5500.0MHz, -64.0dBm	Single burst
17	13	11.5	423.0	No	5495.0MHz, -64.0dBm	Single burst
18	15	14.9	365.0	Yes	5505.0MHz, -64.0dBm	Single burst
19	16	17.2	261.0	Yes	5500.0MHz, -64.0dBm	Single burst
20	15	19.7	211.0	No	5495.0MHz, -64.0dBm	Single burst
21	14	19.5	281.0	Yes	5505.0MHz, -64.0dBm	Single burst
22	16	19.3	308.0	Yes	5500.0MHz, -64.0dBm	Single burst
23	15	17.5	409.0	Yes	5495.0MHz, -64.0dBm	Single burst
24	15	16.7	442.0	No	5505.0MHz, -64.0dBm	Single burst
25	15	15.5	332.0	Yes	5500.0MHz, -64.0dBm	Single burst
26	14	15.9	329.0	No	5495.0MHz, -64.0dBm	Single burst
27	15	12.4	470.0	Yes	5505.0MHz, -64.0dBm	Single burst
28	16	14.8	271.0	Yes	5500.0MHz, -64.0dBm	Single burst
29	15	18.4	470.0	Yes	5495.0MHz, -64.0dBm	Single burst
30	13	14.2	407.0	No	5505.0MHz, -64.0dBm	Single burst

Table 52 - FCC frequency hopping radar (Type 6) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5331, 5336, 5606, 5595, 5607, 5520, 5508, 5560, 5657, 5454, 5328, 5584, 5444, 5498, 5370, 5477, 5613, 5471, 5366, 5569, 5632, 5579, 5701, 5670, 5347, 5585, 5252, 5712, 5293, 5280, 5405, 5667, 5448, 5694, 5257, 5278, 5522, 5373, 5505, 5642, 5417, 5466, 5446, 5625, 5288, 5553, 5468, 5558, 5647, 5453, 5641, 5455, 5339, 5301, 5361, 5519, 5421, 5500, 5567, 5305, 5456, 5529, 5621, 5499, 5479, 5359, 5316, 5535, 5656, 5333, 5371, 5577, 5386, 5425, 5663, 5435, 5450, 5593, 5685, 5506, 5653, 5410, 5563, 5675, 5634, 5611, 5599, 5697, 5721, 5261, 5630, 5503, 5281, 5690, 5590, 5360, 5309, 5266, 5483, 5272 (7 hits)
2	9	1.0	333.0	Yes	5509.0MHz, -64.0dBm	Hop sequence: 5360, 5573, 5408, 5670, 5672, 5432, 5401, 5468, 5538, 5565, 5497, 5447, 5391, 5451, 5554, 5541, 5577, 5373, 5311, 5397, 5411, 5674, 5667, 5296, 5254, 5524, 5568, 5297, 5491, 5694, 5465, 5303, 5678, 5521, 5519, 5426, 5312, 5384, 5301, 5526, 5544, 5335, 5251, 5679, 5522, 5545, 5631, 5669, 5404, 5285, 5527, 5308, 5265, 5509, 5644, 5298, 5500, 5721, 5583, 5436, 5409, 5304, 5628, 5606, 5274, 5608, 5713, 5638, 5386, 5293, 5330, 5651, 5482, 5595, 5681, 5379, 5264, 5539, 5278, 5687, 5605, 5260, 5688, 5489, 5413, 5441, 5314, 5556, 5528, 5709, 5724, 5481, 5719, 5324, 5350, 5412, 5575, 5523, 5704, 5563 (4 hits)
3	9	1.0	333.0	Yes	5491.0MHz, -64.0dBm	Hop sequence: 5519, 5453, 5506, 5533, 5254, 5679, 5391, 5471, 5554, 5578, 5405, 5302, 5373, 5660, 5340, 5650, 5415, 5595, 5417, 5529, 5404, 5656, 5675, 5710, 5689, 5330, 5333, 5346, 5277, 5267, 5292, 5718, 5310, 5692, 5336, 5505, 5461, 5418, 5381, 5378, 5420, 5653, 5478, 5467, 5321, 5253, 5498, 5563, 5488, 5369, 5622, 5291, 5359, 5427, 5402, 5406, 5521, 5323, 5480, 5678, 5693, 5338, 5278, 5571, 5612, 5627, 5410, 5542, 5399, 5357, 5279, 5520, 5339, 5354, 5719, 5570, 5651, 5646, 5662, 5632, 5676, 5565, 5316, 5396, 5451, 5476, 5290, 5544, 5251, 5588, 5482, 5634, 5448, 5725, 5472, 5296, 5313, 5511, 5590, 5635 (3 hits)
4	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5715, 5514, 5444, 5682, 5350, 5691, 5459, 5263, 5547, 5648, 5602, 5501, 5651, 5456, 5469, 5690, 5311, 5722, 5285, 5721, 5313, 5625, 5563, 5652, 5302, 5656, 5543, 5384, 5540, 5443, 5562, 5699, 5338, 5324, 5662, 5343, 5399, 5504, 5481, 5518, 5376, 5633, 5368, 5405, 5701, 5644, 5642, 5653, 5304, 5305, 5640, 5575, 5632, 5262, 5279, 5258, 5442, 5646, 5439, 5377, 5608, 5527, 5553, 5537, 5564, 5591, 5394, 5464, 5593, 5440, 5427, 5475, 5257, 5703, 5395, 5287, 5628, 5351, 5541, 5588, 5635, 5288, 5589, 5592, 5282, 5622, 5677, 5713, 5539, 5685, 5671, 5250, 5511, 5552, 5603, 5624, 5360, 5422, 5366, 5521 (2 hits)
5	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5478, 5548, 5424, 5285, 5486, 5662, 5313, 5468, 5362, 5253, 5374, 5315, 5692, 5257, 5463, 5430, 5696, 5407, 5632, 5540, 5326, 5400, 5306, 5720, 5359, 5275, 5568, 5586, 5302, 5340, 5572, 5365, 5363, 5624, 5489, 5582, 5262, 5645, 5284, 5445, 5448, 5712, 5391, 5484, 5581, 5300, 5406, 5309, 5653, 5680, 5579, 5408, 5494, 5702, 5577, 5659, 5381, 5434, 5266, 5711, 5297, 5375, 5638, 5350, 5298, 5317, 5716, 5441, 5416, 5449, 5721, 5357, 5681, 5552, 5701, 5453, 5341, 5479, 5661, 5417, 5563, 5672, 5527, 5395, 5706, 5559, 5454, 5438, 5616, 5268, 5557, 5639, 5492, 5353, 5700, 5277, 5444, 5442, 5307, 5710 (2 hits)
6	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5717, 5651, 5489, 5647, 5521, 5707, 5484, 5393, 5413, 5511, 5444, 5541, 5547, 5340, 5570, 5623, 5304, 5558, 5462, 5633, 5545, 5488,

Table 52 - FCC frequency hopping radar (Type 6) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5560, 5360, 5640, 5534, 5497, 5285, 5425, 5667, 5302, 5495, 5622, 5435, 5375, 5357, 5567, 5670, 5314, 5379, 5329, 5603, 5555, 5655, 5498, 5699, 5364, 5265, 5654, 5320, 5494, 5602, 5440, 5631, 5653, 5593, 5251, 5380, 5382, 5490, 5554, 5518, 5336, 5559, 5306, 5361, 5666, 5331, 5491, 5279, 5352, 5492, 5399, 5546, 5337, 5581, 5259, 5525, 5693, 5342, 5596, 5436, 5540, 5661, 5700, 5409, 5601, 5324, 5367, 5410, 5348, 5523, 5582, 5548, 5531, 5433, 5520, 5471, 5678, 5542 (6 hits)
7	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5430, 5390, 5291, 5683, 5557, 5561, 5420, 5587, 5549, 5622, 5442, 5526, 5652, 5295, 5580, 5358, 5333, 5639, 5257, 5411, 5458, 5675, 5286, 5628, 5646, 5461, 5664, 5313, 5431, 5597, 5637, 5604, 5669, 5473, 5282, 5341, 5367, 5613, 5716, 5501, 5655, 5324, 5376, 5496, 5395, 5306, 5340, 5616, 5569, 5519, 5365, 5318, 5548, 5638, 5644, 5371, 5684, 5516, 5564, 5387, 5660, 5425, 5662, 5305, 5614, 5259, 5509, 5470, 5653, 5325, 5459, 5272, 5685, 5583, 5330, 5355, 5562, 5694, 5621, 5475, 5368, 5497, 5511, 5446, 5611, 5422, 5281, 5717, 5256, 5522, 5708, 5658, 5682, 5670, 5707, 5513, 5488, 5351, 5348, 5480 (4 hits)
8	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5500, 5547, 5540, 5431, 5346, 5535, 5283, 5539, 5537, 5580, 5638, 5560, 5691, 5311, 5600, 5440, 5583, 5327, 5556, 5317, 5453, 5722, 5674, 5637, 5360, 5375, 5546, 5544, 5279, 5434, 5341, 5490, 5608, 5314, 5424, 5531, 5350, 5579, 5673, 5286, 5701, 5707, 5702, 5693, 5253, 5488, 5496, 5706, 5302, 5367, 5486, 5587, 5419, 5530, 5677, 5394, 5703, 5557, 5333, 5567, 5576, 5407, 5589, 5297, 5291, 5372, 5334, 5477, 5445, 5595, 5631, 5593, 5402, 5267, 5606, 5441, 5629, 5585, 5519, 5312, 5645, 5521, 5670, 5325, 5481, 5660, 5602, 5455, 5318, 5374, 5615, 5450, 5528, 5507, 5281, 5570, 5339, 5491, 5294, 5427 (4 hits)
9	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5651, 5527, 5665, 5569, 5650, 5649, 5703, 5270, 5313, 5618, 5280, 5374, 5342, 5262, 5645, 5295, 5314, 5491, 5258, 5399, 5385, 5600, 5293, 5523, 5549, 5517, 5620, 5303, 5662, 5463, 5629, 5657, 5558, 5449, 5444, 5559, 5432, 5689, 5625, 5330, 5382, 5288, 5257, 5590, 5621, 5604, 5567, 5387, 5537, 5576, 5346, 5520, 5442, 5694, 5413, 5267, 5394, 5289, 5614, 5594, 5334, 5705, 5337, 5709, 5655, 5653, 5623, 5285, 5534, 5361, 5443, 5489, 5355, 5553, 5582, 5548, 5697, 5513, 5495, 5589, 5308, 5500, 5521, 5492, 5430, 5448, 5693, 5699, 5675, 5678, 5639, 5359, 5425, 5417, 5369, 5300, 5571, 5348, 5577, 5550 (4 hits)
10	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5503, 5466, 5386, 5453, 5306, 5449, 5489, 5293, 5574, 5580, 5437, 5618, 5366, 5513, 5326, 5542, 5504, 5353, 5350, 5259, 5561, 5317, 5289, 5409, 5309, 5376, 5543, 5486, 5533, 5549, 5525, 5311, 5423, 5546, 5271, 5421, 5297, 5295, 5426, 5355, 5591, 5430, 5664, 5676, 5588, 5282, 5283, 5634, 5258, 5605, 5361, 5642, 5343, 5285, 5705, 5526, 5708, 5347, 5692, 5335, 5522, 5392, 5507, 5419, 5552, 5579, 5558, 5446, 5411, 5371, 5703, 5432, 5589, 5356, 5445, 5391, 5704, 5331, 5538, 5450, 5400, 5484, 5537, 5476, 5679, 5559, 5612, 5341, 5586, 5576, 5328, 5338, 5278, 5697, 5395, 5584, 5352, 5414, 5393, 5638 (3 hits)
11	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5690, 5535, 5419, 5713, 5394, 5415, 5536, 5389, 5642, 5520, 5643, 5448, 5508, 5384, 5339, 5492, 5496, 5345, 5516, 5711, 5502, 5342, 5681, 5604, 5462, 5613, 5707, 5355, 5565, 5634, 5434, 5572, 5593, 5579, 5385, 5636, 5251, 5484, 5524, 5619, 5290, 5418, 5398, 5420, 5297, 5433, 5372, 5402, 5548, 5257, 5530, 5463, 5631, 5721, 5603, 5318, 5589, 5378, 5360, 5679, 5670, 5274,

Table 52 - FCC frequency hopping radar (Type 6) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5351, 5284, 5322, 5695, 5449, 5271, 5523, 5570, 5362, 5376, 5399, 5667, 5706, 5575, 5611, 5370, 5472, 5676, 5356, 5331, 5298, 5552, 5316, 5357, 5513, 5616, 5529, 5395, 5302, 5273, 5365, 5722, 5534, 5263, 5348, 5600, 5465, 5702 (4 hits)
12	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5280, 5611, 5526, 5293, 5366, 5383, 5648, 5551, 5663, 5362, 5452, 5653, 5723, 5665, 5641, 5647, 5506, 5629, 5417, 5532, 5412, 5511, 5574, 5500, 5687, 5702, 5303, 5577, 5540, 5591, 5603, 5295, 5352, 5391, 5306, 5533, 5255, 5480, 5714, 5505, 5385, 5575, 5258, 5300, 5434, 5625, 5664, 5336, 5368, 5563, 5515, 5689, 5363, 5493, 5253, 5627, 5266, 5257, 5512, 5335, 5498, 5262, 5273, 5348, 5472, 5518, 5415, 5401, 5283, 5308, 5339, 5279, 5343, 5322, 5380, 5642, 5448, 5252, 5445, 5683, 5324, 5384, 5522, 5586, 5467, 5638, 5507, 5677, 5560, 5260, 5639, 5494, 5320, 5371, 5598, 5453, 5496, 5595, 5261, 5587 (8 hits)
13	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5341, 5492, 5315, 5574, 5619, 5402, 5552, 5429, 5579, 5319, 5457, 5513, 5624, 5424, 5476, 5299, 5703, 5608, 5710, 5358, 5723, 5687, 5409, 5301, 5327, 5269, 5294, 5331, 5489, 5436, 5558, 5669, 5594, 5587, 5311, 5418, 5538, 5320, 5378, 5273, 5438, 5335, 5296, 5599, 5612, 5439, 5493, 5326, 5648, 5451, 5718, 5591, 5571, 5562, 5646, 5270, 5375, 5362, 5300, 5347, 5323, 5417, 5690, 5434, 5697, 5391, 5549, 5448, 5518, 5595, 5590, 5286, 5498, 5316, 5344, 5364, 5589, 5293, 5539, 5512, 5266, 5456, 5667, 5603, 5268, 5483, 5541, 5618, 5411, 5334, 5328, 5639, 5447, 5688, 5382, 5581, 5397, 5400, 5462, 5353 (3 hits)
14	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5435, 5455, 5331, 5587, 5487, 5581, 5366, 5438, 5268, 5478, 5346, 5662, 5720, 5509, 5668, 5410, 5601, 5462, 5651, 5508, 5370, 5417, 5374, 5266, 5670, 5377, 5620, 5397, 5543, 5424, 5725, 5294, 5302, 5673, 5715, 5392, 5358, 5484, 5436, 5304, 5311, 5280, 5571, 5521, 5695, 5669, 5634, 5582, 5528, 5611, 5709, 5682, 5677, 5407, 5423, 5547, 5254, 5554, 5566, 5309, 5491, 5551, 5272, 5325, 5596, 5583, 5260, 5365, 5445, 5406, 5497, 5624, 5271, 5259, 5306, 5285, 5683, 5574, 5556, 5680, 5450, 5336, 5685, 5625, 5340, 5517, 5446, 5433, 5383, 5357, 5535, 5510, 5372, 5546, 5289, 5393, 5470, 5329, 5471, 5518 (4 hits)
15	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5359, 5639, 5256, 5577, 5278, 5439, 5573, 5370, 5469, 5676, 5535, 5608, 5462, 5393, 5699, 5279, 5537, 5541, 5522, 5559, 5569, 5463, 5272, 5270, 5580, 5325, 5337, 5387, 5308, 5675, 5671, 5347, 5664, 5435, 5693, 5499, 5724, 5505, 5714, 5353, 5431, 5468, 5311, 5529, 5665, 5281, 5482, 5560, 5372, 5476, 5533, 5293, 5251, 5578, 5326, 5688, 5650, 5313, 5570, 5511, 5445, 5331, 5497, 5661, 5690, 5634, 5662, 5361, 5498, 5287, 5540, 5684, 5438, 5418, 5273, 5324, 5593, 5712, 5575, 5291, 5621, 5419, 5323, 5716, 5536, 5706, 5398, 5696, 5414, 5310, 5320, 5319, 5657, 5411, 5564, 5666, 5539, 5345, 5692, 5290 (4 hits)
16	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5295, 5323, 5516, 5400, 5263, 5273, 5566, 5710, 5336, 5698, 5637, 5392, 5565, 5609, 5540, 5440, 5556, 5478, 5317, 5480, 5390, 5304, 5471, 5671, 5429, 5436, 5591, 5630, 5720, 5261, 5470, 5670, 5510, 5534, 5425, 5555, 5402, 5396, 5475, 5357, 5461, 5636, 5651, 5286, 5361, 5517, 5438, 5497, 5595, 5684, 5691, 5677, 5319, 5298, 5704, 5367, 5533, 5393, 5458, 5622, 5567, 5726, 5488, 5441, 5415, 5513, 5296, 5601, 5542, 5605, 5313, 5725, 5426, 5282, 5352, 5568, 5443, 5451, 5339, 5387, 5509, 5428, 5274, 5264, 5699, 5299, 5450, 5278, 5545, 5365, 5384, 5356, 5695, 5376, 5616, 5266, 5257, 5277, 5573, 5334 (2 hits)

Table 52 - FCC frequency hopping radar (Type 6) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
17	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5439, 5414, 5283, 5377, 5409, 5636, 5286, 5279, 5312, 5290, 5625, 5380, 5545, 5639, 5261, 5303, 5383, 5587, 5481, 5305, 5485, 5466, 5489, 5483, 5268, 5342, 5369, 5427, 5361, 5365, 5324, 5499, 5597, 5680, 5364, 5321, 5385, 5363, 5432, 5709, 5443, 5415, 5332, 5334, 5591, 5301, 5719, 5505, 5506, 5367, 5599, 5690, 5701, 5452, 5564, 5400, 5620, 5493, 5464, 5584, 5411, 5705, 5602, 5319, 5575, 5320, 5656, 5695, 5453, 5633, 5263, 5558, 5404, 5522, 5259, 5371, 5339, 5576, 5314, 5285, 5418, 5482, 5333, 5374, 5501, 5562, 5663, 5458, 5382, 5508, 5659, 5356, 5428, 5664, 5253, 5707, 5410, 5647, 5498, 5561 (7 hits)
18	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5496, 5637, 5283, 5554, 5516, 5652, 5671, 5317, 5255, 5324, 5486, 5389, 5647, 5579, 5594, 5257, 5376, 5524, 5331, 5452, 5721, 5574, 5420, 5460, 5296, 5708, 5542, 5504, 5428, 5691, 5459, 5321, 5383, 5600, 5548, 5407, 5612, 5291, 5290, 5567, 5581, 5580, 5377, 5341, 5625, 5549, 5284, 5664, 5421, 5535, 5690, 5343, 5723, 5382, 5362, 5467, 5493, 5670, 5458, 5344, 5258, 5697, 5704, 5410, 5305, 5315, 5591, 5456, 5703, 5485, 5375, 5631, 5588, 5345, 5349, 5365, 5494, 5295, 5298, 5611, 5626, 5395, 5616, 5630, 5661, 5487, 5683, 5274, 5270, 5271, 5699, 5505, 5300, 5388, 5427, 5280, 5508, 5301, 5682, 5686 (6 hits)
19	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5288, 5500, 5410, 5286, 5445, 5651, 5525, 5340, 5643, 5451, 5429, 5694, 5391, 5538, 5596, 5471, 5259, 5707, 5536, 5299, 5293, 5363, 5579, 5535, 5306, 5677, 5476, 5609, 5328, 5255, 5652, 5452, 5280, 5381, 5590, 5605, 5507, 5672, 5365, 5277, 5285, 5489, 5444, 5395, 5680, 5475, 5300, 5481, 5510, 5355, 5595, 5399, 5266, 5372, 5718, 5473, 5491, 5336, 5379, 5465, 5559, 5554, 5271, 5292, 5456, 5578, 5715, 5315, 5547, 5593, 5551, 5591, 5552, 5308, 5462, 5402, 5555, 5514, 5347, 5696, 5490, 5311, 5702, 5558, 5366, 5648, 5263, 5392, 5323, 5620, 5619, 5708, 5511, 5430, 5701, 5700, 5428, 5487, 5453, 5644 (3 hits)
20	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5663, 5315, 5393, 5722, 5624, 5425, 5326, 5579, 5424, 5418, 5486, 5593, 5468, 5532, 5614, 5529, 5500, 5571, 5324, 5616, 5491, 5603, 5507, 5357, 5524, 5516, 5328, 5372, 5652, 5469, 5665, 5262, 5343, 5557, 5479, 5566, 5455, 5264, 5446, 5586, 5332, 5502, 5374, 5657, 5575, 5439, 5704, 5671, 5536, 5412, 5300, 5433, 5481, 5599, 5598, 5590, 5655, 5391, 5333, 5594, 5674, 5431, 5329, 5363, 5490, 5368, 5373, 5404, 5251, 5444, 5651, 5650, 5587, 5396, 5612, 5506, 5341, 5390, 5375, 5339, 5578, 5573, 5706, 5460, 5640, 5270, 5604, 5316, 5688, 5483, 5610, 5346, 5494, 5464, 5553, 5549, 5542, 5712, 5543, 5415 (6 hits)
21	9	1.0	333.0	Yes	5509.0MHz, -64.0dBm	Hop sequence: 5572, 5413, 5689, 5655, 5570, 5702, 5672, 5664, 5477, 5650, 5529, 5699, 5600, 5612, 5550, 5458, 5519, 5426, 5333, 5569, 5605, 5706, 5343, 5268, 5517, 5350, 5703, 5349, 5396, 5500, 5424, 5488, 5662, 5420, 5277, 5677, 5498, 5606, 5673, 5543, 5295, 5340, 5724, 5639, 5637, 5614, 5653, 5425, 5325, 5318, 5273, 5721, 5713, 5601, 5289, 5554, 5440, 5409, 5274, 5442, 5322, 5380, 5300, 5345, 5307, 5342, 5636, 5358, 5466, 5354, 5513, 5362, 5725, 5444, 5489, 5676, 5365, 5568, 5607, 5548, 5335, 5315, 5253, 5304, 5357, 5447, 5475, 5493, 5431, 5603, 5363, 5596, 5556, 5490, 5668, 5682, 5504, 5656, 5649, 5629 (4 hits)
22	9	1.0	333.0	Yes	5491.0MHz, -64.0dBm	Hop sequence: 5682, 5591, 5720, 5592, 5456, 5701, 5423, 5683, 5712, 5639, 5252, 5400, 5263, 5304, 5589, 5691, 5667, 5507, 5505, 5669, 5253, 5654, 5407, 5655, 5522, 5293, 5603, 5500, 5429, 5653, 5420, 5625, 5328, 5426, 5310, 5487, 5427, 5468,

Table 52 - FCC frequency hopping radar (Type 6) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5359, 5350, 5610, 5360, 5463, 5476, 5281, 5331, 5697, 5384, 5464, 5482, 5649, 5648, 5404, 5343, 5353, 5433, 5646, 5638, 5684, 5536, 5349, 5305, 5337, 5410, 5556, 5280, 5514, 5583, 5294, 5586, 5665, 5480, 5452, 5428, 5634, 5587, 5295, 5635, 5389, 5626, 5461, 5352, 5412, 5696, 5688, 5501, 5475, 5641, 5327, 5402, 5447, 5358, 5397, 5620, 5451, 5264, 5527, 5455, 5498, 5640 (5 hits)
23	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5460, 5284, 5658, 5680, 5261, 5310, 5531, 5690, 5643, 5259, 5695, 5615, 5552, 5473, 5376, 5401, 5588, 5420, 5445, 5255, 5585, 5668, 5348, 5468, 5448, 5266, 5421, 5304, 5656, 5476, 5578, 5346, 5518, 5570, 5699, 5583, 5372, 5250, 5508, 5319, 5489, 5399, 5596, 5629, 5436, 5496, 5481, 5542, 5406, 5394, 5487, 5510, 5386, 5443, 5253, 5418, 5602, 5575, 5323, 5579, 5415, 5698, 5682, 5432, 5374, 5614, 5370, 5713, 5405, 5318, 5327, 5395, 5430, 5268, 5712, 5514, 5608, 5556, 5342, 5663, 5347, 5425, 5716, 5592, 5282, 5662, 5654, 5559, 5644, 5375, 5720, 5412, 5626, 5475, 5563, 5272, 5529, 5582, 5513, 5338 (2 hits)
24	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5415, 5324, 5414, 5513, 5540, 5434, 5385, 5470, 5394, 5495, 5590, 5688, 5380, 5648, 5315, 5257, 5622, 5429, 5613, 5253, 5284, 5413, 5629, 5426, 5528, 5346, 5417, 5625, 5538, 5404, 5307, 5541, 5409, 5710, 5535, 5258, 5511, 5446, 5580, 5668, 5644, 5332, 5421, 5381, 5463, 5529, 5382, 5378, 5336, 5697, 5329, 5703, 5330, 5715, 5650, 5607, 5585, 5262, 5603, 5331, 5440, 5609, 5564, 5674, 5610, 5375, 5659, 5514, 5645, 5616, 5640, 5374, 5269, 5443, 5321, 5366, 5428, 5318, 5560, 5524, 5424, 5662, 5565, 5256, 5487, 5617, 5714, 5581, 5557, 5345, 5531, 5310, 5724, 5437, 5505, 5647, 5362, 5587, 5474, 5449 (2 hits)
25	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5354, 5616, 5366, 5297, 5570, 5437, 5439, 5371, 5552, 5573, 5291, 5716, 5444, 5696, 5253, 5353, 5440, 5652, 5473, 5416, 5613, 5544, 5376, 5500, 5602, 5273, 5466, 5382, 5680, 5562, 5493, 5615, 5454, 5653, 5532, 5281, 5379, 5618, 5450, 5629, 5307, 5430, 5560, 5305, 5703, 5626, 5563, 5261, 5645, 5675, 5611, 5495, 5525, 5591, 5342, 5409, 5631, 5718, 5557, 5431, 5383, 5502, 5515, 5356, 5506, 5259, 5722, 5710, 5372, 5667, 5277, 5407, 5704, 5337, 5288, 5723, 5400, 5386, 5540, 5485, 5511, 5523, 5646, 5572, 5648, 5604, 5542, 5681, 5311, 5701, 5418, 5293, 5387, 5346, 5677, 5252, 5497, 5460, 5401, 5620 (6 hits)
26	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5389, 5405, 5409, 5602, 5342, 5413, 5299, 5572, 5657, 5415, 5609, 5460, 5276, 5512, 5381, 5628, 5421, 5497, 5298, 5281, 5654, 5626, 5270, 5469, 5394, 5606, 5505, 5447, 5627, 5617, 5645, 5653, 5357, 5575, 5302, 5623, 5282, 5294, 5277, 5339, 5686, 5261, 5486, 5565, 5291, 5533, 5404, 5316, 5520, 5407, 5711, 5585, 5425, 5325, 5272, 5618, 5332, 5427, 5675, 5478, 5385, 5365, 5540, 5430, 5493, 5352, 5698, 5371, 5429, 5577, 5680, 5598, 5521, 5625, 5373, 5458, 5488, 5436, 5428, 5340, 5257, 5395, 5655, 5492, 5642, 5374, 5580, 5685, 5256, 5321, 5310, 5528, 5667, 5590, 5591, 5578, 5355, 5370, 5611, 5636 (4 hits)
27	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5502, 5344, 5315, 5494, 5397, 5550, 5524, 5307, 5554, 5650, 5607, 5269, 5542, 5312, 5671, 5305, 5574, 5316, 5457, 5694, 5303, 5252, 5413, 5645, 5363, 5327, 5703, 5541, 5478, 5317, 5644, 5710, 5369, 5352, 5260, 5346, 5453, 5423, 5511, 5567, 5534, 5549, 5321, 5364, 5510, 5313, 5556, 5611, 5719, 5547, 5649, 5294, 5522, 5492, 5383, 5648, 5643, 5715, 5575, 5338, 5655, 5553, 5614, 5274, 5371, 5323, 5651, 5330, 5256, 5434, 5725, 5268, 5518, 5332, 5443, 5509, 5681, 5580,

Table 52 - FCC frequency hopping radar (Type 6) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5532, 5535, 5538, 5395, 5641, 5399, 5582, 5526, 5416, 5311, 5638, 5379, 5393, 5543, 5381, 5712, 5406, 5577, 5631, 5353, 5513, 5521 (4 hits)
28	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5276, 5444, 5515, 5604, 5261, 5555, 5676, 5314, 5306, 5554, 5388, 5669, 5607, 5605, 5624, 5479, 5635, 5356, 5516, 5383, 5403, 5337, 5634, 5507, 5291, 5493, 5714, 5702, 5269, 5567, 5285, 5643, 5629, 5422, 5256, 5652, 5500, 5588, 5389, 5692, 5521, 5333, 5572, 5377, 5514, 5277, 5303, 5603, 5341, 5519, 5284, 5707, 5338, 5354, 5683, 5545, 5350, 5505, 5543, 5597, 5628, 5671, 5559, 5512, 5645, 5538, 5253, 5631, 5459, 5360, 5550, 5709, 5724, 5402, 5511, 5563, 5407, 5412, 5295, 5394, 5699, 5462, 5329, 5472, 5621, 5309, 5254, 5368, 5392, 5655, 5535, 5663, 5502, 5482, 5361, 5637, 5476, 5660, 5308, 5457 (5 hits)
29	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5454, 5717, 5288, 5578, 5314, 5682, 5536, 5582, 5261, 5559, 5513, 5542, 5595, 5668, 5335, 5313, 5508, 5664, 5323, 5565, 5551, 5696, 5284, 5581, 5438, 5301, 5444, 5401, 5517, 5448, 5331, 5706, 5489, 5520, 5317, 5703, 5630, 5697, 5474, 5499, 5623, 5711, 5679, 5329, 5528, 5390, 5518, 5721, 5515, 5541, 5351, 5451, 5373, 5361, 5338, 5695, 5470, 5498, 5310, 5364, 5497, 5384, 5343, 5557, 5439, 5635, 5663, 5445, 5568, 5300, 5509, 5304, 5693, 5468, 5435, 5504, 5483, 5464, 5539, 5441, 5294, 5466, 5526, 5476, 5397, 5352, 5411, 5505, 5291, 5720, 5507, 5371, 5252, 5613, 5319, 5446, 5265, 5307, 5296, 5369 (8 hits)
30	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5570, 5694, 5511, 5287, 5320, 5486, 5620, 5485, 5583, 5285, 5308, 5690, 5458, 5548, 5340, 5668, 5255, 5569, 5631, 5268, 5514, 5317, 5696, 5342, 5607, 5339, 5599, 5591, 5300, 5671, 5372, 5360, 5305, 5368, 5389, 5546, 5504, 5288, 5423, 5621, 5525, 5363, 5336, 5439, 5628, 5658, 5612, 5328, 5644, 5480, 5292, 5491, 5600, 5396, 5575, 5291, 5608, 5616, 5343, 5331, 5479, 5286, 5528, 5544, 5693, 5716, 5572, 5272, 5624, 5447, 5703, 5712, 5523, 5604, 5429, 5267, 5720, 5648, 5660, 5459, 5677, 5310, 5561, 5722, 5403, 5284, 5498, 5348, 5538, 5558, 5596, 5271, 5622, 5610, 5715, 5406, 5654, 5682, 5252, 5357 (3 hits)
31	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5573, 5636, 5564, 5628, 5547, 5712, 5696, 5292, 5464, 5542, 5270, 5569, 5283, 5543, 5289, 5502, 5624, 5470, 5587, 5489, 5309, 5348, 5405, 5426, 5384, 5383, 5649, 5721, 5467, 5701, 5691, 5709, 5652, 5371, 5297, 5462, 5334, 5342, 5717, 5360, 5366, 5642, 5280, 5672, 5597, 5540, 5458, 5431, 5434, 5625, 5479, 5667, 5646, 5338, 5665, 5644, 5349, 5492, 5521, 5535, 5530, 5723, 5465, 5576, 5482, 5703, 5509, 5373, 5584, 5500, 5262, 5385, 5335, 5404, 5350, 5326, 5615, 5351, 5265, 5629, 5715, 5478, 5706, 5654, 5618, 5692, 5678, 5593, 5315, 5700, 5295, 5378, 5574, 5614, 5461, 5455, 5331, 5396, 5278, 5605 (4 hits)
32	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5445, 5496, 5616, 5662, 5590, 5709, 5635, 5711, 5541, 5265, 5566, 5667, 5311, 5682, 5270, 5588, 5464, 5617, 5297, 5336, 5282, 5707, 5546, 5353, 5666, 5301, 5582, 5290, 5413, 5375, 5520, 5304, 5443, 5534, 5585, 5343, 5387, 5298, 5384, 5317, 5289, 5252, 5266, 5358, 5703, 5593, 5718, 5569, 5430, 5377, 5366, 5322, 5516, 5305, 5315, 5497, 5693, 5456, 5427, 5495, 5450, 5687, 5321, 5589, 5332, 5619, 5268, 5363, 5263, 5435, 5645, 5489, 5339, 5269, 5721, 5668, 5640, 5515, 5551, 5374, 5259, 5474, 5669, 5651, 5568, 5705, 5462, 5500, 5264, 5702, 5518, 5587, 5505, 5611, 5365, 5676, 5697, 5351, 5552, 5606 (5 hits)
33	9	1.0	333.0	Yes	5502.0MHz,	Hop sequence: 5315, 5678, 5535, 5601, 5401, 5536,

Table 52 - FCC frequency hopping radar (Type 6) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	5377, 5645, 5571, 5541, 5367, 5378, 5303, 5438, 5652, 5264, 5533, 5322, 5555, 5345, 5531, 5251, 5427, 5270, 5603, 5700, 5395, 5631, 5421, 5720, 5390, 5296, 5643, 5510, 5332, 5539, 5429, 5516, 5289, 5408, 5537, 5455, 5443, 5431, 5568, 5434, 5262, 5456, 5275, 5638, 5630, 5310, 5648, 5658, 5460, 5365, 5524, 5677, 5701, 5574, 5490, 5461, 5435, 5595, 5546, 5426, 5349, 5474, 5573, 5252, 5723, 5526, 5330, 5269, 5316, 5590, 5577, 5492, 5493, 5623, 5468, 5502, 5620, 5360, 5588, 5703, 5710, 5688, 5635, 5359, 5508, 5340, 5569, 5599, 5338, 5528, 5705, 5670, 5298, 5589 (4 hits)
34	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5469, 5602, 5529, 5596, 5291, 5485, 5341, 5642, 5456, 5495, 5282, 5296, 5442, 5643, 5447, 5404, 5722, 5318, 5555, 5424, 5294, 5514, 5614, 5274, 5605, 5497, 5600, 5518, 5583, 5691, 5685, 5269, 5715, 5255, 5603, 5366, 5410, 5574, 5346, 5398, 5417, 5705, 5540, 5684, 5433, 5601, 5450, 5289, 5671, 5460, 5391, 5594, 5619, 5293, 5371, 5441, 5528, 5590, 5290, 5476, 5534, 5311, 5717, 5618, 5338, 5383, 5494, 5303, 5367, 5430, 5500, 5587, 5538, 5593, 5695, 5520, 5674, 5532, 5551, 5261, 5567, 5539, 5301, 5413, 5665, 5559, 5563, 5723, 5445, 5561, 5525, 5363, 5321, 5385, 5258, 5585, 5307, 5270, 5711, 5361 (4 hits)
35	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5284, 5451, 5286, 5574, 5261, 5382, 5487, 5565, 5695, 5640, 5498, 5369, 5613, 5422, 5349, 5485, 5555, 5474, 5693, 5486, 5387, 5634, 5671, 5564, 5311, 5412, 5682, 5390, 5432, 5633, 5431, 5713, 5411, 5568, 5376, 5566, 5345, 5499, 5416, 5601, 5439, 5678, 5544, 5667, 5573, 5348, 5258, 5650, 5426, 5480, 5703, 5320, 5324, 5559, 5346, 5581, 5357, 5466, 5307, 5590, 5508, 5353, 5272, 5607, 5718, 5588, 5503, 5290, 5340, 5660, 5408, 5530, 5641, 5537, 5469, 5419, 5350, 5522, 5594, 5528, 5287, 5529, 5268, 5326, 5673, 5342, 5437, 5557, 5254, 5396, 5536, 5336, 5562, 5616, 5381, 5700, 5647, 5356, 5599, 5449 (4 hits)
36	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5322, 5325, 5338, 5686, 5564, 5411, 5291, 5636, 5506, 5624, 5644, 5461, 5436, 5261, 5653, 5654, 5509, 5279, 5688, 5545, 5698, 5707, 5677, 5318, 5620, 5652, 5530, 5462, 5341, 5476, 5610, 5694, 5559, 5358, 5314, 5612, 5377, 5343, 5380, 5265, 5599, 5577, 5674, 5396, 5276, 5305, 5693, 5719, 5335, 5438, 5334, 5329, 5538, 5663, 5666, 5270, 5622, 5716, 5493, 5647, 5371, 5427, 5512, 5594, 5595, 5315, 5417, 5551, 5257, 5421, 5408, 5658, 5511, 5689, 5453, 5333, 5514, 5394, 5296, 5273, 5712, 5287, 5413, 5434, 5288, 5557, 5402, 5664, 5726, 5486, 5455, 5445, 5589, 5502, 5704, 5529, 5470, 5489, 5365, 5414 (4 hits)
37	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5500, 5275, 5638, 5575, 5486, 5648, 5517, 5301, 5602, 5293, 5297, 5396, 5541, 5670, 5408, 5305, 5369, 5388, 5537, 5549, 5610, 5491, 5262, 5588, 5503, 5565, 5329, 5452, 5353, 5539, 5561, 5469, 5474, 5557, 5713, 5715, 5403, 5349, 5291, 5462, 5678, 5499, 5314, 5417, 5526, 5699, 5586, 5532, 5676, 5691, 5261, 5559, 5626, 5379, 5319, 5530, 5340, 5630, 5378, 5573, 5493, 5478, 5415, 5441, 5516, 5385, 5300, 5560, 5717, 5386, 5382, 5617, 5422, 5377, 5683, 5402, 5556, 5523, 5365, 5498, 5577, 5258, 5508, 5519, 5554, 5473, 5266, 5311, 5553, 5313, 5555, 5428, 5298, 5395, 5280, 5637, 5460, 5274, 5710, 5276 (7 hits)
38	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5467, 5429, 5296, 5390, 5266, 5280, 5353, 5451, 5670, 5626, 5279, 5401, 5313, 5413, 5622, 5662, 5534, 5498, 5362, 5306, 5439, 5381, 5572, 5560, 5495, 5404, 5683, 5557, 5438, 5675, 5667, 5594, 5261, 5563, 5428, 5718, 5469, 5270, 5491, 5357, 5403, 5595, 5530, 5400, 5468, 5388,

Table 52 - FCC frequency hopping radar (Type 6) Results 802.11ac 20MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5517, 5575, 5627, 5347, 5417, 5320, 5559, 5461, 5324, 5537, 5490, 5529, 5617, 5668, 5251, 5505, 5259, 5704, 5604, 5706, 5659, 5496, 5640, 5707, 5455, 5457, 5648, 5508, 5398, 5386, 5568, 5344, 5547, 5442, 5623, 5356, 5522, 5635, 5379, 5315, 5301, 5591, 5273, 5488, 5458, 5256, 5527, 5682, 5499, 5565, 5549, 5325, 5450, 5494 (8 hits)

Table 53 - Long Sequence Waveform Summary 802.11ac 20MHz (XR630)		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5500.0MHz, -64.0dBm
Trial #2	Detected	5495.0MHz, -64.0dBm
Trial #3	Detected	5505.0MHz, -64.0dBm
Trial #4	Detected	5500.0MHz, -64.0dBm
Trial #5	Detected	5495.0MHz, -64.0dBm
Trial #6	Detected	5505.0MHz, -64.0dBm
Trial #7	Detected	5500.0MHz, -64.0dBm
Trial #8	NOT Detected	5495.0MHz, -64.0dBm
Trial #9	Detected	5505.0MHz, -64.0dBm
Trial #10	Detected	5500.0MHz, -64.0dBm
Trial #11	NOT Detected	5495.0MHz, -64.0dBm
Trial #12	Detected	5505.0MHz, -64.0dBm
Trial #13	Detected	5500.0MHz, -64.0dBm
Trial #14	NOT Detected	5495.0MHz, -64.0dBm
Trial #15	Detected	5505.0MHz, -64.0dBm
Trial #16	Detected	5500.0MHz, -64.0dBm
Trial #17	Detected	5495.0MHz, -64.0dBm
Trial #18	Detected	5505.0MHz, -64.0dBm
Trial #19	Detected	5500.0MHz, -64.0dBm
Trial #20	NOT Detected	5495.0MHz, -64.0dBm
Trial #21	Detected	5505.0MHz, -64.0dBm
Trial #22	Detected	5500.0MHz, -64.0dBm
Trial #23	Detected	5495.0MHz, -64.0dBm
Trial #24	Detected	5505.0MHz, -64.0dBm
Trial #25	Detected	5500.0MHz, -64.0dBm
Trial #26	Detected	5495.0MHz, -64.0dBm
Trial #27	Detected	5505.0MHz, -64.0dBm
Trial #28	Detected	5500.0MHz, -64.0dBm
Trial #29	NOT Detected	5495.0MHz, -64.0dBm
Trial #30	Detected	5505.0MHz, -64.0dBm

Table 54 - Long Sequence Waveform Trial#1 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	52.0	8	-	-	0.701372
2	2	60.4	10	1899.0	-	1.652170
3	1	73.8	9	-	-	2.529871
4	2	66.9	12	1928.0	-	2.741525
5	2	96.9	9	1081.0	-	3.927028
6	2	64.9	15	1012.0	-	4.792099
7	1	87.3	6	-	-	5.183146

Table 54 - Long Sequence Waveform Trial#1 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	2	70.2	15	1955.0	-	6.261449
9	2	96.7	19	1800.0	-	7.402151
10	2	80.0	7	1467.0	-	7.838388
11	2	65.4	15	1044.0	-	8.627412
12	2	70.0	15	1657.0	-	9.948409
13	2	79.4	18	1888.0	-	10.717411
14	3	61.0	12	1984.0	1126.0	11.594621

Table 55 - Long Sequence Waveform Trial#2 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.4	8	1425.0	-	0.010773
2	2	69.2	17	1351.0	-	1.584189
3	3	91.0	13	1676.0	1508.0	2.292119
4	2	98.1	19	1199.0	-	2.971553
5	3	76.6	6	1760.0	1076.0	3.988369
6	1	92.5	11	-	-	4.176219
7	1	98.8	8	-	-	5.185707
8	1	59.2	15	-	-	6.388859
9	3	80.2	14	1196.0	1153.0	6.494861
10	2	76.5	15	1625.0	-	7.532700
11	1	61.2	18	-	-	8.091159
12	1	84.2	16	-	-	9.255923
13	3	82.1	7	1042.0	1139.0	9.793217
14	1	55.9	14	-	-	10.702279
15	2	73.6	8	1240.0	-	11.244758

Table 56 - Long Sequence Waveform Trial#3 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	55.7	9	1905.0	1853.0	0.601367
2	2	90.6	11	1249.0	-	1.045438
3	2	91.6	9	1922.0	-	1.576066
4	1	98.5	10	-	-	2.605788
5	2	93.7	13	1317.0	-	3.521602
6	2	72.0	7	1680.0	-	3.952728
7	2	87.9	12	1024.0	-	4.462549
8	1	57.3	17	-	-	5.512599
9	2	69.1	11	1257.0	-	5.879915
10	1	59.5	15	-	-	6.407632
11	1	72.4	13	-	-	7.729517
12	2	99.8	17	1084.0	-	7.975825
13	2	84.6	8	1800.0	-	8.570196
14	1	61.8	16	-	-	9.769300
15	3	61.7	14	1667.0	1742.0	9.974183
16	2	61.0	6	1524.0	-	10.622052
17	2	59.2	9	1974.0	-	11.911232

Table 57 - Long Sequence Waveform Trial#4 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	73.3	8	1820.0	1375.0	0.249184
2	2	75.3	18	1748.0	-	1.019179
3	2	66.1	8	1866.0	-	2.266907
4	1	67.6	10	-	-	2.655283
5	1	83.4	8	-	-	3.972095
6	2	60.2	9	1953.0	-	5.073703
7	1	86.3	15	-	-	5.512182
8	2	77.1	14	1696.0	-	6.373439
9	3	64.2	17	1883.0	1291.0	7.048049
10	2	60.3	16	1554.0	-	8.032556
11	2	87.4	7	1389.0	-	9.370266
12	2	50.1	9	1820.0	-	9.539431
13	1	59.5	9	-	-	10.313471
14	1	51.8	9	-	-	11.435410

Table 58 - Long Sequence Waveform Trial#5 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	85.4	17	1258.0	-	0.232838
2	2	61.5	5	1459.0	-	1.688858
3	1	53.1	9	-	-	1.926129
4	1	95.8	8	-	-	3.306269
5	3	86.3	14	1652.0	1151.0	3.842241
6	2	99.7	12	1820.0	-	4.922608
7	2	62.1	18	1542.0	-	5.354278
8	1	92.3	8	-	-	6.580680
9	2	72.7	8	1548.0	-	6.953696
10	1	90.0	7	-	-	8.113705
11	1	61.9	9	-	-	9.397200
12	2	60.3	8	1055.0	-	9.651400
13	2	63.9	17	1270.0	-	10.398640
14	2	65.2	10	1475.0	-	11.970938

Table 59 - Long Sequence Waveform Trial#6 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	50.7	13	1577.0	-	0.934091
2	3	99.1	7	1052.0	1092.0	1.753572
3	2	77.4	20	1791.0	-	2.678150
4	2	66.4	16	1570.0	-	3.337751
5	2	76.7	14	1307.0	-	4.164738
6	1	60.7	7	-	-	5.198290
7	3	51.1	12	1544.0	1989.0	6.925880
8	1	60.5	9	-	-	7.725860
9	3	76.9	13	1963.0	1161.0	8.725109
10	1	97.7	12	-	-	9.128910
11	2	79.2	10	1420.0	-	10.696092
12	1	79.7	15	-	-	11.182822

Table 60 - Long Sequence Waveform Trial#7 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	71.2	17	1145.0	-	0.062654
2	2	88.2	8	1469.0	-	1.056926
3	1	87.9	10	-	-	1.767346
4	2	67.2	15	1083.0	-	2.231011
5	3	57.5	12	1120.0	1586.0	3.005695
6	2	82.5	20	1051.0	-	3.265077
7	2	70.6	10	1581.0	-	3.838588
8	2	98.4	6	1474.0	-	4.877872
9	2	52.4	18	1391.0	-	5.231270
10	2	70.4	9	1238.0	-	6.214771
11	1	86.1	16	-	-	6.636655
12	2	95.7	17	1182.0	-	7.317169
13	1	72.5	10	-	-	8.147284
14	1	74.5	8	-	-	8.251011
15	3	61.2	7	1541.0	1275.0	9.323043
16	3	53.6	7	1431.0	1835.0	9.901724
17	1	87.0	6	-	-	10.477171
18	2	85.1	13	1639.0	-	10.800427
19	1	61.1	12	-	-	11.794114

Table 61 - Long Sequence Waveform Trial#8 (NOT Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	52.0	14	1274.0	1770.0	1.061583
2	2	50.4	14	1596.0	-	1.687601
3	1	86.8	11	-	-	2.712177
4	2	94.0	14	1016.0	-	4.125828
5	3	57.6	16	1726.0	1965.0	5.285293
6	3	94.6	9	1021.0	1482.0	6.777567
7	3	76.9	14	1438.0	1974.0	8.097055
8	1	63.6	17	-	-	9.408246
9	1	95.6	8	-	-	9.965302
10	3	51.7	9	1967.0	1996.0	11.523460

Table 62 - Long Sequence Waveform Trial#9 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	64.6	7	1468.0	-	0.221607
2	2	96.8	10	1124.0	-	0.694156
3	2	60.9	9	1818.0	-	1.481102
4	1	98.7	12	-	-	2.226582
5	1	67.5	12	-	-	3.021397
6	2	86.5	9	1065.0	-	3.634632
7	3	92.5	8	1476.0	1674.0	3.848660
8	2	93.1	12	1767.0	-	4.510752
9	1	63.1	17	-	-	5.669260
10	3	56.2	9	1090.0	1043.0	6.145447
11	3	69.7	19	1776.0	1950.0	6.883427

Table 62 - Long Sequence Waveform Trial#9 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
12	2	50.6	12	1256.0	-	7.050340
13	2	53.8	16	1608.0	-	7.616070
14	2	66.1	16	1067.0	-	8.625459
15	2	58.6	15	1154.0	-	9.034557
16	2	67.9	10	1783.0	-	9.866012
17	3	82.7	5	1227.0	1774.0	10.482070
18	2	94.9	11	1922.0	-	10.839967
19	2	95.8	7	1660.0	-	11.665225

Table 63 - Long Sequence Waveform Trial#10 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	81.1	5	1753.0	-	0.939285
2	2	77.9	16	1212.0	-	1.485518
3	2	88.3	17	1031.0	-	2.937734
4	2	53.3	17	1144.0	-	4.176660
5	2	64.1	11	1062.0	-	5.168613
6	1	93.4	9	-	-	6.121711
7	2	59.5	14	1210.0	-	7.300780
8	3	67.6	15	1152.0	1061.0	8.110957
9	2	97.0	9	1688.0	-	9.296136
10	3	83.1	8	1021.0	1855.0	10.031887
11	2	54.4	17	1475.0	-	11.301918

Table 64 - Long Sequence Waveform Trial#11 (NOT Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.6	12	1636.0	-	0.534630
2	2	88.2	18	1774.0	-	1.410244
3	2	51.7	18	1939.0	-	2.302378
4	2	84.9	9	1194.0	-	2.856994
5	1	81.7	10	-	-	4.465043
6	1	52.8	9	-	-	4.800663
7	3	56.1	14	1767.0	1662.0	6.344689
8	3	51.6	18	1353.0	1243.0	7.156268
9	2	55.7	17	1460.0	-	7.867190
10	1	83.6	16	-	-	8.802861
11	1	93.5	20	-	-	9.592858
12	3	51.1	19	1916.0	1061.0	10.872019
13	3	77.1	14	1671.0	1044.0	11.611851

Table 65 - Long Sequence Waveform Trial#12 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	66.6	13	1977.0	-	0.037360
2	1	93.7	18	-	-	1.638175
3	3	63.6	15	1028.0	1835.0	2.415009

Table 65 - Long Sequence Waveform Trial#12 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
4	1	63.5	11	-	-	3.581834
5	2	87.9	16	1501.0	-	5.440564
6	3	56.3	6	1047.0	1688.0	5.728334
7	3	67.1	5	1110.0	1315.0	6.733686
8	2	81.3	7	1853.0	-	8.436893
9	1	84.7	9	-	-	8.931885
10	2	69.6	9	1320.0	-	10.553135
11	2	64.6	6	1311.0	-	11.768177

Table 66 - Long Sequence Waveform Trial#13 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	95.8	19	-	-	0.591498
2	3	82.5	19	1997.0	1770.0	0.952229
3	1	87.4	17	-	-	1.825693
4	2	70.2	19	1080.0	-	2.808036
5	3	50.5	11	1527.0	1325.0	3.760076
6	1	51.2	8	-	-	4.532361
7	2	56.8	6	1877.0	-	5.188828
8	3	84.4	8	1476.0	1365.0	5.806617
9	2	98.6	5	1095.0	-	6.626795
10	1	59.7	14	-	-	7.270528
11	2	52.0	13	1847.0	-	8.426216
12	2	59.5	6	1715.0	-	9.242239
13	1	54.2	18	-	-	10.127987
14	3	67.7	12	1559.0	1632.0	11.063416
15	2	74.1	11	1233.0	-	11.897221

Table 67 - Long Sequence Waveform Trial#14 (NOT Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	96.0	12	1006.0	-	0.682504
2	3	65.8	9	1500.0	1955.0	0.994748
3	2	67.3	8	1609.0	-	1.759263
4	2	54.0	15	1520.0	-	3.002268
5	2	59.2	19	1700.0	-	4.214212
6	2	96.6	18	1550.0	-	4.746066
7	1	87.2	17	-	-	5.649866
8	3	80.4	10	1584.0	1505.0	6.700936
9	1	90.9	11	-	-	7.630181
10	3	92.4	18	1056.0	1547.0	7.814777
11	2	75.4	11	1969.0	-	9.344007
12	3	91.5	14	1433.0	1578.0	9.596087
13	2	78.9	15	1254.0	-	10.829466
14	2	79.3	14	1524.0	-	11.309942

Table 68 - Long Sequence Waveform Trial#15 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	76.0	19	1213.0	1115.0	0.266851
2	3	62.3	16	1673.0	1211.0	2.268028
3	1	90.8	15	-	-	3.452705
4	2	78.6	8	1952.0	-	5.292375
5	3	95.5	15	1051.0	1949.0	6.128612
6	3	79.2	14	1811.0	1782.0	7.830436
7	2	98.5	18	1079.0	-	8.070317
8	3	52.7	9	1364.0	1355.0	9.832059
9	3	63.7	6	1545.0	1260.0	11.334201

Table 69 - Long Sequence Waveform Trial#16 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	51.0	12	-	-	0.364990
2	3	70.3	18	1624.0	1302.0	1.343208
3	1	94.8	15	-	-	2.452645
4	2	93.5	12	1591.0	-	3.104920
5	2	92.4	8	1644.0	-	4.587414
6	2	90.8	15	1631.0	-	4.992533
7	1	96.0	10	-	-	6.299112
8	3	82.3	10	1895.0	1672.0	7.212919
9	1	99.4	8	-	-	7.602359
10	2	96.0	5	1064.0	-	8.579842
11	1	74.8	18	-	-	9.401285
12	3	87.2	14	1531.0	1109.0	10.444241
13	2	78.5	8	1503.0	-	11.087783

Table 70 - Long Sequence Waveform Trial#17 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	59.7	19	1305.0	-	0.576220
2	1	61.3	17	-	-	1.062013
3	1	64.0	20	-	-	1.822629
4	2	97.7	9	1618.0	-	2.612585
5	3	80.5	9	1775.0	1216.0	3.000229
6	3	50.9	8	1149.0	1477.0	3.408662
7	3	70.8	7	1168.0	1904.0	4.400033
8	3	52.4	10	1505.0	1122.0	4.687874
9	2	57.6	13	1212.0	-	5.535012
10	3	82.3	9	1567.0	1866.0	6.647999
11	1	62.4	6	-	-	6.685328
12	1	78.7	11	-	-	7.635896
13	2	51.4	8	1791.0	-	8.307362
14	2	99.1	11	1013.0	-	9.022782
15	2	55.4	15	1544.0	-	9.573053
16	2	62.2	8	1970.0	-	10.622106
17	2	66.5	5	1058.0	-	10.695379
18	3	73.2	9	1031.0	1105.0	11.921502

Table 71 - Long Sequence Waveform Trial#18 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	67.2	11	1053.0	1966.0	0.732438
2	3	65.7	7	1992.0	1809.0	1.460885
3	3	76.4	7	1604.0	1338.0	1.787609
4	3	51.0	7	1248.0	1256.0	3.310681
5	1	92.8	11	-	-	3.623074
6	2	93.1	20	1844.0	-	4.303544
7	1	91.8	5	-	-	5.337990
8	2	80.2	17	1213.0	-	6.756945
9	2	55.7	7	1808.0	-	7.284627
10	1	79.4	20	-	-	8.217493
11	1	72.7	9	-	-	8.976228
12	2	51.2	11	1990.0	-	9.833453
13	3	82.2	19	1280.0	1325.0	10.915814
14	3	56.4	14	1956.0	1154.0	11.505284

Table 72 - Long Sequence Waveform Trial#19 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	73.7	16	1550.0	1534.0	0.539050
2	3	59.2	13	1418.0	1011.0	0.723527
3	2	55.9	7	1879.0	-	1.351792
4	2	58.4	6	1421.0	-	1.826990
5	1	99.8	13	-	-	2.621749
6	2	55.4	5	1146.0	-	3.047169
7	1	58.8	18	-	-	3.692996
8	2	85.6	17	1309.0	-	4.283335
9	2	57.0	14	1464.0	-	5.257837
10	2	56.1	16	1944.0	-	5.761512
11	2	62.9	16	1852.0	-	6.122269
12	2	51.2	16	1227.0	-	7.187176
13	1	54.8	18	-	-	7.307507
14	2	53.5	8	1423.0	-	8.320747
15	2	61.1	5	1534.0	-	8.618785
16	2	78.3	18	1083.0	-	9.524789
17	2	85.2	10	1557.0	-	10.016322
18	1	97.0	11	-	-	10.671239
19	2	71.9	20	1609.0	-	10.997759
20	2	58.2	11	1369.0	-	11.687211

Table 73 - Long Sequence Waveform Trial#20 (NOT Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	71.4	6	-	-	0.879821
2	2	59.1	8	1259.0	-	1.482364
3	2	51.6	12	1522.0	-	2.619692
4	3	62.5	15	1563.0	1815.0	3.498542
5	1	52.4	17	-	-	4.001264
6	2	61.1	17	1026.0	-	5.277346

Table 73 - Long Sequence Waveform Trial#20 (NOT Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
7	1	92.8	6	-	-	6.143825
8	1	91.6	13	-	-	7.936337
9	2	61.5	6	1327.0	-	8.733570
10	2	56.2	14	1298.0	-	9.820145
11	2	60.3	11	1884.0	-	10.005140
12	3	70.9	15	1280.0	1255.0	11.501511

Table 74 - Long Sequence Waveform Trial#21 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.2	18	1326.0	-	0.048508
2	3	55.9	19	1883.0	1196.0	1.012710
3	3	95.6	17	1927.0	1463.0	1.673647
4	3	52.1	16	1844.0	1162.0	2.683387
5	2	63.5	17	1517.0	-	3.167496
6	2	60.0	10	1723.0	-	3.877474
7	2	69.5	19	1546.0	-	4.582969
8	2	77.0	19	1695.0	-	5.482131
9	2	67.0	12	1839.0	-	6.254523
10	2	88.5	9	1089.0	-	6.402820
11	2	80.8	8	1632.0	-	7.530115
12	3	86.0	8	1416.0	1469.0	8.450904
13	2	58.6	5	1067.0	-	8.734620
14	1	91.2	17	-	-	9.178228
15	2	90.2	13	1050.0	-	10.156886
16	2	68.6	10	1403.0	-	11.252100
17	1	61.9	7	-	-	11.689319

Table 75 - Long Sequence Waveform Trial#22 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	91.8	13	1401.0	1191.0	1.481757
2	1	80.6	8	-	-	2.878482
3	1	53.9	15	-	-	4.269563
4	1	60.0	17	-	-	5.883547
5	2	91.9	14	1266.0	-	7.271590
6	2	52.9	13	1591.0	-	8.162792
7	2	67.7	19	1624.0	-	9.935402
8	1	74.5	9	-	-	10.750355

Table 76 - Long Sequence Waveform Trial#23 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	88.8	7	-	-	0.527662
2	2	93.0	11	1938.0	-	1.558444
3	2	59.1	18	1919.0	-	2.202022
4	2	51.3	16	1374.0	-	2.875348

Table 76 - Long Sequence Waveform Trial#23 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
5	2	70.2	9	1481.0	-	4.299751
6	3	66.1	19	1094.0	1534.0	5.018701
7	2	64.8	8	1427.0	-	6.210549
8	3	84.4	8	1829.0	1494.0	7.333029
9	3	68.5	14	1303.0	1715.0	7.633246
10	1	64.2	10	-	-	8.707391
11	1	91.1	7	-	-	9.844306
12	1	94.4	5	-	-	10.824350
13	1	80.4	11	-	-	11.182788

Table 77 - Long Sequence Waveform Trial#24 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	59.7	14	-	-	0.107899
2	2	79.0	12	1250.0	-	1.160140
3	3	82.0	16	1135.0	1130.0	2.218927
4	2	88.3	12	1283.0	-	3.078177
5	3	66.1	5	1209.0	1492.0	3.833198
6	3	74.7	5	1068.0	1977.0	4.827371
7	2	72.0	11	1862.0	-	5.639025
8	2	54.3	6	1636.0	-	6.818091
9	1	56.2	13	-	-	8.032036
10	2	62.9	13	1740.0	-	9.208496
11	3	70.2	6	1883.0	1761.0	9.375862
12	2	63.2	8	1950.0	-	10.401162
13	1	74.5	9	-	-	11.438654

Table 78 - Long Sequence Waveform Trial#25 (Detected) 802.11ac 20MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	65.1	11	1388.0	1891.0	0.133042
2	1	59.9	9	-	-	1.007462
3	1	97.0	19	-	-	2.093515
4	2	61.3	13	1699.0	-	2.652371
5	2	88.8	9	1668.0	-	3.878813
6	2	87.7	14	1469.0	-	4.771509
7	3	73.4	11	1683.0	1425.0	5.244845
8	2	88.3	20	1105.0	-	5.704931
9	2	98.2	11	1145.0	-	6.637633
10	2	94.9	17	1297.0	-	7.603862
11	1	84.1	9	-	-	8.686098
12	3	57.3	9	1155.0	1274.0	9.043487
13	1	99.7	14	-	-	10.152472
14	1	56.6	7	-	-	10.885111
15	3	91.0	11	1773.0	1808.0	11.348206

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	55.2	15	1609.0	1585.0	0.530744
2	2	72.8	10	1018.0	-	1.139466
3	1	59.8	12	-	-	2.847786
4	3	92.2	19	1633.0	1451.0	3.409281
5	2	52.9	5	1027.0	-	4.396102
6	2	78.2	10	1901.0	-	6.423930
7	3	56.6	7	1742.0	1435.0	7.037223
8	3	78.1	5	1090.0	1498.0	8.555482
9	2	70.1	12	1842.0	-	8.845608
10	1	67.1	14	-	-	10.094271
11	3	95.1	14	1698.0	1231.0	11.469978

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	96.6	14	-	-	0.012451
2	2	76.0	12	1763.0	-	0.936422
3	1	65.8	12	-	-	1.507783
4	3	88.7	14	1339.0	1503.0	2.886155
5	1	66.4	10	-	-	3.566087
6	1	76.3	15	-	-	4.221465
7	2	81.9	9	1867.0	-	4.848904
8	3	90.8	18	1999.0	1586.0	5.441471
9	2	75.1	11	1167.0	-	6.651936
10	1	92.4	19	-	-	7.064474
11	2	100.0	9	1039.0	-	7.511708
12	1	88.5	16	-	-	8.961761
13	2	65.6	8	1809.0	-	9.592266
14	1	79.0	13	-	-	9.947144
15	2	86.3	19	1330.0	-	10.677251
16	3	93.9	19	1839.0	1277.0	11.752463

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	80.1	7	1264.0	-	0.053727
2	2	59.1	8	1414.0	-	1.744364
3	1	62.6	14	-	-	1.889092
4	1	93.6	8	-	-	3.330409
5	2	97.7	18	1235.0	-	4.305228
6	2	78.3	5	1224.0	-	5.421952
7	2	86.6	10	1132.0	-	5.570225
8	2	95.7	14	1397.0	-	6.903537
9	3	52.3	8	1518.0	1601.0	7.642861
10	3	77.3	13	1136.0	1799.0	8.341420
11	2	86.3	7	1744.0	-	9.454923
12	2	82.0	18	1763.0	-	10.578589
13	1	87.9	15	-	-	11.932794

Table 82 - Long Sequence Waveform Trial#29 (NOT Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	87.1	16	1798.0	-	0.580762
2	1	51.5	17	-	-	0.702035
3	2	60.8	15	1877.0	-	1.827384
4	2	98.0	16	1015.0	-	2.230664
5	2	89.4	10	1953.0	-	2.837647
6	1	53.4	13	-	-	3.798567
7	2	81.7	8	1787.0	-	4.168250
8	1	74.7	17	-	-	5.110804
9	2	93.8	17	1995.0	-	5.869574
10	1	62.0	16	-	-	6.427058
11	3	68.4	6	1454.0	1496.0	7.230446
12	2	70.0	10	1103.0	-	7.692293
13	3	57.0	8	1913.0	1142.0	8.024701
14	2	79.1	12	1315.0	-	8.809983
15	2	97.1	11	1937.0	-	9.758385
16	1	62.9	6	-	-	10.267164
17	3	82.3	8	1408.0	1488.0	10.994680
18	2	86.9	13	1042.0	-	11.416816

Table 83 - Long Sequence Waveform Trial#30 (Detected) 802.11ac 20MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	60.2	13	1847.0	1184.0	1.142433
2	2	55.1	16	1070.0	-	1.321588
3	2	82.4	16	1150.0	-	2.827659
4	3	54.3	6	1046.0	1644.0	3.860457
5	2	73.9	18	1404.0	-	5.783409
6	2	96.4	17	1944.0	-	6.212682
7	1	80.8	14	-	-	7.494684
8	1	55.0	5	-	-	8.882760
9	1	68.9	12	-	-	10.511668
10	2	67.4	7	1658.0	-	10.836311

Table 84 - Summary of All Results 802.11ac 40MHz (XR630)				
Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	83.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	86.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	83.3 %	60.0 %	30	PASSED
Aggregate of above results	88.3 %	80.0 %	120	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	39	PASSED
Long Sequence	83.3 %	80.0 %	30	PASSED

Table 85 - FCC Short Pulse Radar (Type 1) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst
2	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
3	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
4	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
5	18	1.0	1428.0	Yes	5525.0MHz, -64.0dBm	Single burst
6	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst
7	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst
8	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst
9	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
10	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
11	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
12	18	1.0	1428.0	Yes	5525.0MHz, -64.0dBm	Single burst
13	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst
14	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst
15	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst
16	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
17	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
18	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
19	18	1.0	1428.0	Yes	5525.0MHz, -64.0dBm	Single burst
20	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst
21	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst
22	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst
23	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst
24	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst
25	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst
26	18	1.0	1428.0	Yes	5525.0MHz, -64.0dBm	Single burst
27	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst
28	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst
29	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst
30	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst

Table 86 - FCC Short Pulse Radar (Type 2) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	25	2.7	188.0	Yes	5510.0MHz, -64.0dBm	Single burst
2	29	1.7	179.0	Yes	5505.0MHz, -64.0dBm	Single burst
3	28	3.0	173.0	Yes	5500.0MHz, -64.0dBm	Single burst
4	23	4.8	178.0	Yes	5495.0MHz, -64.0dBm	Single burst
5	29	4.3	223.0	Yes	5525.0MHz, -64.0dBm	Single burst
6	26	2.7	208.0	Yes	5520.0MHz, -64.0dBm	Single burst
7	29	2.2	201.0	Yes	5515.0MHz, -64.0dBm	Single burst
8	23	4.5	161.0	Yes	5510.0MHz, -64.0dBm	Single burst
9	27	4.0	173.0	Yes	5505.0MHz, -64.0dBm	Single burst
10	24	1.6	164.0	Yes	5500.0MHz, -64.0dBm	Single burst
11	27	2.1	210.0	Yes	5495.0MHz, -64.0dBm	Single burst
12	29	1.1	178.0	Yes	5525.0MHz, -64.0dBm	Single burst
13	26	4.3	219.0	Yes	5520.0MHz, -64.0dBm	Single burst
14	28	3.9	164.0	No	5515.0MHz, -64.0dBm	Single burst
15	28	4.5	186.0	Yes	5510.0MHz, -64.0dBm	Single burst
16	29	1.6	158.0	No	5505.0MHz, -64.0dBm	Single burst

Table 86 - FCC Short Pulse Radar (Type 2) Results 802.11ac 40MHz (XR630)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
17	25	2.3	210.0	No	5500.0MHz, -64.0dBm	Single burst
18	26	1.1	218.0	Yes	5495.0MHz, -64.0dBm	Single burst
19	29	1.5	159.0	Yes	5525.0MHz, -64.0dBm	Single burst
20	28	1.1	201.0	Yes	5520.0MHz, -64.0dBm	Single burst
21	24	2.5	176.0	No	5515.0MHz, -64.0dBm	Single burst
22	25	2.8	155.0	No	5510.0MHz, -64.0dBm	Single burst
23	25	4.9	162.0	Yes	5505.0MHz, -64.0dBm	Single burst
24	23	4.5	178.0	Yes	5500.0MHz, -64.0dBm	Single burst
25	28	4.9	154.0	Yes	5495.0MHz, -64.0dBm	Single burst
26	26	4.8	228.0	Yes	5525.0MHz, -64.0dBm	Single burst
27	27	4.9	176.0	Yes	5520.0MHz, -64.0dBm	Single burst
28	25	3.4	163.0	Yes	5515.0MHz, -64.0dBm	Single burst
29	24	3.3	183.0	Yes	5510.0MHz, -64.0dBm	Single burst
30	28	3.6	154.0	Yes	5505.0MHz, -64.0dBm	Single burst

Table 87 - FCC Short Pulse Radar (Type 3) Results 802.11ac 40MHz (XR630)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	17	7.4	209.0	Yes	5510.0MHz, -64.0dBm	Single burst
2	18	7.8	316.0	Yes	5505.0MHz, -64.0dBm	Single burst
3	18	8.4	324.0	Yes	5500.0MHz, -64.0dBm	Single burst
4	18	8.6	254.0	No	5495.0MHz, -64.0dBm	Single burst
5	18	7.3	433.0	Yes	5525.0MHz, -64.0dBm	Single burst
6	18	6.3	448.0	Yes	5520.0MHz, -64.0dBm	Single burst
7	18	7.6	205.0	Yes	5515.0MHz, -64.0dBm	Single burst
8	17	8.9	352.0	Yes	5510.0MHz, -64.0dBm	Single burst
9	17	7.1	437.0	Yes	5505.0MHz, -64.0dBm	Single burst
10	17	8.4	317.0	Yes	5500.0MHz, -64.0dBm	Single burst
11	17	7.5	493.0	Yes	5495.0MHz, -64.0dBm	Single burst
12	18	9.1	222.0	No	5525.0MHz, -64.0dBm	Single burst
13	18	9.7	245.0	Yes	5520.0MHz, -64.0dBm	Single burst
14	16	6.6	267.0	Yes	5515.0MHz, -64.0dBm	Single burst
15	17	8.4	278.0	Yes	5510.0MHz, -64.0dBm	Single burst
16	17	7.0	407.0	Yes	5505.0MHz, -64.0dBm	Single burst
17	18	7.8	234.0	Yes	5500.0MHz, -64.0dBm	Single burst
18	17	7.8	499.0	Yes	5495.0MHz, -64.0dBm	Single burst
19	17	7.1	417.0	Yes	5525.0MHz, -64.0dBm	Single burst
20	18	8.4	355.0	No	5520.0MHz, -64.0dBm	Single burst
21	18	8.8	369.0	Yes	5515.0MHz, -64.0dBm	Single burst
22	17	7.0	459.0	Yes	5510.0MHz, -64.0dBm	Single burst
23	17	9.8	365.0	No	5505.0MHz, -64.0dBm	Single burst
24	18	8.1	397.0	Yes	5500.0MHz, -64.0dBm	Single burst
25	16	6.2	300.0	Yes	5495.0MHz, -64.0dBm	Single burst
26	17	7.6	230.0	Yes	5525.0MHz, -64.0dBm	Single burst
27	17	7.1	439.0	Yes	5520.0MHz, -64.0dBm	Single burst
28	16	7.4	445.0	Yes	5515.0MHz, -64.0dBm	Single burst
29	16	6.9	330.0	Yes	5510.0MHz, -64.0dBm	Single burst
30	17	8.3	251.0	Yes	5505.0MHz, -64.0dBm	Single burst

Table 88 - FCC Short Pulse Radar (Type 4) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	13	11.5	347.0	Yes	5510.0MHz, -64.0dBm	Single burst
2	15	11.4	332.0	Yes	5505.0MHz, -64.0dBm	Single burst
3	14	11.5	248.0	Yes	5500.0MHz, -64.0dBm	Single burst
4	15	19.4	382.0	Yes	5495.0MHz, -64.0dBm	Single burst
5	15	11.8	439.0	Yes	5525.0MHz, -64.0dBm	Single burst
6	15	19.3	283.0	No	5520.0MHz, -64.0dBm	Single burst
7	13	11.8	343.0	Yes	5515.0MHz, -64.0dBm	Single burst
8	12	12.9	341.0	No	5510.0MHz, -64.0dBm	Single burst
9	15	12.5	311.0	Yes	5505.0MHz, -64.0dBm	Single burst
10	13	14.2	477.0	Yes	5500.0MHz, -64.0dBm	Single burst
11	12	17.0	241.0	No	5495.0MHz, -64.0dBm	Single burst
12	15	12.7	373.0	Yes	5525.0MHz, -64.0dBm	Single burst
13	15	17.2	325.0	Yes	5520.0MHz, -64.0dBm	Single burst
14	15	13.8	341.0	No	5515.0MHz, -64.0dBm	Single burst
15	13	19.7	224.0	Yes	5510.0MHz, -64.0dBm	Single burst
16	16	16.2	212.0	Yes	5505.0MHz, -64.0dBm	Single burst
17	13	19.3	478.0	Yes	5500.0MHz, -64.0dBm	Single burst
18	13	14.9	242.0	Yes	5495.0MHz, -64.0dBm	Single burst
19	13	12.4	240.0	Yes	5525.0MHz, -64.0dBm	Single burst
20	15	14.1	365.0	Yes	5520.0MHz, -64.0dBm	Single burst
21	14	18.5	383.0	Yes	5515.0MHz, -64.0dBm	Single burst
22	15	17.7	329.0	Yes	5510.0MHz, -64.0dBm	Single burst
23	15	12.7	370.0	Yes	5505.0MHz, -64.0dBm	Single burst
24	15	11.8	480.0	Yes	5500.0MHz, -64.0dBm	Single burst
25	12	14.5	470.0	Yes	5495.0MHz, -64.0dBm	Single burst
26	13	11.3	397.0	Yes	5525.0MHz, -64.0dBm	Single burst
27	12	14.2	336.0	Yes	5520.0MHz, -64.0dBm	Single burst
28	12	13.3	435.0	Yes	5515.0MHz, -64.0dBm	Single burst
29	16	16.9	494.0	No	5510.0MHz, -64.0dBm	Single burst
30	15	16.0	375.0	Yes	5505.0MHz, -64.0dBm	Single burst

Table 89 - FCC frequency hopping radar (Type 6) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5528.0MHz, -64.0dBm	Hop sequence: 5466, 5410, 5324, 5586, 5322, 5574, 5485, 5303, 5595, 5300, 5652, 5599, 5258, 5516, 5532, 5315, 5632, 5489, 5394, 5536, 5398, 5287, 5416, 5597, 5683, 5656, 5633, 5658, 5460, 5367, 5332, 5525, 5588, 5559, 5491, 5630, 5444, 5278, 5515, 5409, 5282, 5716, 5497, 5259, 5430, 5404, 5552, 5704, 5352, 5585, 5455, 5411, 5544, 5412, 5359, 5534, 5355, 5711, 5342, 5252, 5358, 5313, 5402, 5608, 5363, 5524, 5667, 5637, 5706, 5572, 5350, 5557, 5406, 5724, 5274, 5617, 5643, 5389, 5267, 5266, 5580, 5299, 5488, 5442, 5589, 5702, 5451, 5545, 5348, 5720, 5291, 5431, 5308, 5456, 5390, 5538, 5310, 5503, 5323, 5462 (7 hits)
2	9	1.0	333.0	Yes	5529.0MHz, -64.0dBm	Hop sequence: 5287, 5608, 5659, 5562, 5523, 5496, 5263, 5443, 5449, 5293, 5682, 5377, 5292, 5677, 5353, 5698, 5648, 5277, 5461, 5467, 5613, 5545, 5540, 5322, 5261, 5420, 5662, 5495, 5276, 5328, 5332, 5424, 5627, 5362, 5275, 5319, 5329, 5481, 5708, 5649, 5644, 5533, 5524, 5341, 5374, 5445, 5311, 5347, 5434, 5667, 5570, 5483, 5348, 5541, 5688, 5537, 5399, 5286, 5253, 5309, 5447, 5284,

Table 89 - FCC frequency hopping radar (Type 6) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5397, 5532, 5638, 5620, 5419, 5718, 5520, 5386, 5313, 5675, 5657, 5656, 5260, 5716, 5598, 5614, 5459, 5317, 5674, 5672, 5563, 5487, 5603, 5612, 5542, 5546, 5281, 5721, 5680, 5252, 5352, 5489, 5435, 5529, 5498, 5308, 5363, 5304 (7 hits) (08/13/2014 02:47:50 PM)
3	9	1.0	333.0	Yes	5491.0MHz, -64.0dBm	Hop sequence: 5596, 5446, 5662, 5578, 5441, 5491, 5375, 5442, 5473, 5663, 5369, 5701, 5410, 5465, 5626, 5392, 5489, 5604, 5304, 5665, 5312, 5341, 5290, 5380, 5603, 5685, 5666, 5711, 5317, 5570, 5709, 5344, 5502, 5691, 5339, 5722, 5544, 5594, 5500, 5352, 5576, 5646, 5524, 5282, 5328, 5343, 5444, 5299, 5415, 5280, 5285, 5405, 5263, 5638, 5479, 5460, 5362, 5703, 5324, 5583, 5633, 5273, 5601, 5667, 5409, 5252, 5546, 5564, 5266, 5713, 5427, 5484, 5327, 5342, 5488, 5382, 5505, 5262, 5684, 5574, 5383, 5513, 5528, 5483, 5568, 5431, 5625, 5548, 5599, 5310, 5321, 5593, 5318, 5639, 5347, 5635, 5689, 5520, 5677, 5332 (8 hits)
4	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5430, 5587, 5455, 5347, 5433, 5575, 5595, 5496, 5508, 5550, 5265, 5526, 5506, 5294, 5389, 5284, 5647, 5706, 5665, 5291, 5557, 5318, 5547, 5453, 5523, 5678, 5425, 5660, 5504, 5315, 5325, 5648, 5711, 5539, 5444, 5479, 5592, 5332, 5606, 5266, 5438, 5667, 5354, 5534, 5435, 5409, 5363, 5252, 5393, 5530, 5542, 5309, 5299, 5298, 5674, 5418, 5274, 5704, 5377, 5546, 5339, 5640, 5654, 5374, 5566, 5616, 5292, 5718, 5454, 5475, 5725, 5627, 5357, 5719, 5525, 5651, 5527, 5726, 5565, 5630, 5371, 5558, 5460, 5658, 5529, 5410, 5396, 5485, 5378, 5300, 5633, 5353, 5621, 5588, 5533, 5303, 5637, 5392, 5457, 5661 (9 hits)
5	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5506, 5558, 5700, 5367, 5476, 5512, 5617, 5467, 5502, 5316, 5577, 5402, 5350, 5627, 5578, 5395, 5546, 5576, 5552, 5661, 5526, 5658, 5441, 5685, 5628, 5677, 5654, 5691, 5650, 5579, 5505, 5487, 5419, 5398, 5311, 5365, 5645, 5566, 5547, 5409, 5699, 5440, 5280, 5592, 5478, 5537, 5438, 5457, 5314, 5570, 5598, 5344, 5619, 5491, 5298, 5554, 5312, 5689, 5574, 5416, 5703, 5271, 5490, 5470, 5614, 5679, 5544, 5569, 5488, 5562, 5451, 5620, 5686, 5504, 5461, 5678, 5516, 5539, 5318, 5688, 5433, 5723, 5352, 5644, 5293, 5521, 5341, 5349, 5381, 5377, 5483, 5392, 5586, 5296, 5716, 5599, 5262, 5551, 5430, 5581 (9 hits)
6	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5395, 5607, 5332, 5396, 5400, 5407, 5622, 5337, 5250, 5656, 5715, 5252, 5271, 5536, 5398, 5649, 5546, 5415, 5334, 5403, 5669, 5443, 5518, 5687, 5697, 5273, 5626, 5436, 5463, 5391, 5281, 5529, 5482, 5311, 5591, 5393, 5307, 5600, 5684, 5255, 5545, 5676, 5343, 5348, 5444, 5382, 5569, 5716, 5325, 5577, 5335, 5269, 5462, 5515, 5433, 5268, 5464, 5571, 5437, 5267, 5349, 5288, 5347, 5399, 5492, 5286, 5251, 5703, 5313, 5314, 5326, 5485, 5523, 5726, 5475, 5539, 5453, 5292, 5628, 5371, 5683, 5504, 5460, 5555, 5543, 5581, 5625, 5417, 5563, 5264, 5302, 5695, 5503, 5574, 5300, 5619, 5601, 5424, 5290, 5632 (7 hits)
7	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5658, 5291, 5455, 5602, 5447, 5280, 5417, 5663, 5573, 5318, 5532, 5627, 5482, 5398, 5312, 5713, 5253, 5348, 5577, 5438, 5666, 5372, 5554, 5651, 5374, 5620, 5522, 5321, 5636, 5477, 5316, 5349, 5405, 5724, 5355, 5513, 5662, 5512, 5345, 5688, 5635, 5475, 5511, 5537, 5526, 5399, 5329, 5387, 5410, 5614, 5665, 5314, 5675, 5637, 5534, 5599, 5655, 5717, 5281, 5592, 5330, 5261, 5643, 5301, 5432, 5390, 5593, 5322, 5630, 5274, 5258, 5496, 5472, 5564, 5634, 5539, 5690, 5481, 5339, 5434, 5700, 5559, 5545, 5327, 5360, 5601, 5494, 5659, 5378, 5266, 5444, 5631, 5547, 5430,

Table 89 - FCC frequency hopping radar (Type 6) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5362, 5370, 5527, 5369, 5504, 5416 (9 hits)
8	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5379, 5708, 5652, 5443, 5259, 5473, 5575, 5404, 5562, 5429, 5483, 5314, 5505, 5425, 5701, 5622, 5495, 5612, 5510, 5520, 5330, 5417, 5410, 5565, 5267, 5397, 5282, 5658, 5481, 5514, 5656, 5711, 5312, 5485, 5608, 5383, 5469, 5364, 5600, 5337, 5521, 5303, 5571, 5338, 5549, 5530, 5299, 5468, 5362, 5297, 5512, 5642, 5478, 5301, 5263, 5349, 5648, 5459, 5724, 5577, 5667, 5631, 5323, 5646, 5692, 5689, 5437, 5715, 5713, 5555, 5401, 5511, 5381, 5254, 5385, 5626, 5269, 5334, 5523, 5325, 5377, 5529, 5340, 5540, 5366, 5662, 5493, 5572, 5298, 5588, 5611, 5391, 5428, 5350, 5543, 5695, 5548, 5406, 5415, 5496 (12 hits)
9	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5650, 5500, 5541, 5721, 5378, 5644, 5611, 5638, 5424, 5420, 5467, 5690, 5255, 5438, 5583, 5371, 5476, 5708, 5718, 5724, 5633, 5448, 5487, 5531, 5331, 5357, 5533, 5364, 5418, 5560, 5715, 5354, 5314, 5280, 5250, 5425, 5273, 5310, 5297, 5309, 5287, 5616, 5404, 5276, 5469, 5403, 5340, 5338, 5450, 5574, 5627, 5716, 5710, 5524, 5562, 5478, 5667, 5282, 5253, 5358, 5585, 5456, 5535, 5695, 5334, 5445, 5390, 5414, 5634, 5576, 5612, 5686, 5557, 5539, 5640, 5540, 5653, 5343, 5321, 5543, 5491, 5379, 5632, 5661, 5496, 5532, 5711, 5468, 5308, 5457, 5601, 5578, 5526, 5339, 5519, 5630, 5497, 5408, 5288, 5373 (7 hits)
10	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5404, 5651, 5356, 5471, 5283, 5323, 5375, 5266, 5690, 5533, 5402, 5702, 5364, 5449, 5636, 5664, 5401, 5623, 5615, 5437, 5548, 5334, 5561, 5703, 5606, 5526, 5712, 5315, 5259, 5567, 5425, 5477, 5655, 5705, 5592, 5534, 5668, 5723, 5537, 5501, 5498, 5354, 5614, 5696, 5500, 5542, 5578, 5355, 5669, 5589, 5331, 5348, 5521, 5393, 5340, 5629, 5699, 5349, 5503, 5296, 5722, 5295, 5342, 5660, 5634, 5517, 5436, 5518, 5529, 5339, 5511, 5385, 5458, 5430, 5313, 5640, 5502, 5456, 5689, 5488, 5562, 5630, 5557, 5707, 5476, 5724, 5513, 5389, 5427, 5550, 5493, 5371, 5265, 5717, 5721, 5572, 5338, 5267, 5540, 5714 (13 hits)
11	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5323, 5542, 5382, 5668, 5446, 5287, 5358, 5261, 5559, 5551, 5349, 5533, 5470, 5605, 5415, 5644, 5336, 5322, 5556, 5407, 5371, 5663, 5300, 5669, 5376, 5521, 5354, 5339, 5699, 5568, 5478, 5543, 5582, 5359, 5552, 5651, 5593, 5609, 5416, 5634, 5611, 5477, 5510, 5461, 5694, 5600, 5678, 5445, 5270, 5574, 5641, 5316, 5625, 5722, 5402, 5562, 5448, 5565, 5268, 5343, 5514, 5597, 5304, 5253, 5350, 5557, 5659, 5697, 5494, 5281, 5456, 5417, 5701, 5698, 5658, 5643, 5686, 5555, 5670, 5252, 5712, 5696, 5495, 5649, 5632, 5410, 5454, 5500, 5389, 5337, 5434, 5266, 5356, 5483, 5335, 5314, 5614, 5365, 5340, 5532 (6 hits)
12	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5641, 5535, 5623, 5416, 5488, 5723, 5510, 5272, 5525, 5349, 5259, 5380, 5549, 5334, 5461, 5374, 5722, 5264, 5576, 5390, 5266, 5276, 5285, 5289, 5691, 5538, 5305, 5428, 5606, 5473, 5442, 5619, 5427, 5346, 5343, 5547, 5628, 5675, 5401, 5286, 5557, 5612, 5630, 5526, 5332, 5548, 5477, 5261, 5682, 5494, 5319, 5294, 5665, 5496, 5690, 5411, 5700, 5671, 5627, 5478, 5570, 5328, 5280, 5311, 5326, 5684, 5468, 5638, 5660, 5296, 5664, 5327, 5531, 5281, 5258, 5306, 5331, 5395, 5288, 5271, 5580, 5448, 5519, 5586, 5396, 5480, 5453, 5425, 5509, 5402, 5561, 5357, 5667, 5265, 5559, 5613, 5406, 5323, 5436, 5514 (8 hits)
13	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5667, 5419, 5289, 5548, 5274, 5704, 5432, 5661, 5592, 5632, 5330, 5690, 5663, 5375, 5321, 5597, 5441, 5532, 5674, 5685, 5657, 5702,

Table 89 - FCC frequency hopping radar (Type 6) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5422, 5614, 5288, 5365, 5689, 5442, 5543, 5474, 5290, 5546, 5281, 5311, 5594, 5490, 5320, 5283, 5295, 5584, 5500, 5718, 5349, 5279, 5260, 5711, 5465, 5477, 5476, 5619, 5437, 5581, 5600, 5351, 5401, 5433, 5607, 5403, 5309, 5287, 5338, 5567, 5585, 5637, 5664, 5484, 5608, 5672, 5563, 5471, 5362, 5458, 5557, 5271, 5434, 5617, 5626, 5515, 5282, 5580, 5468, 5680, 5368, 5411, 5354, 5684, 5428, 5253, 5562, 5491, 5692, 5332, 5470, 5599, 5293, 5334, 5627, 5589, 5686, 5268 (3 hits)
14	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5395, 5472, 5465, 5377, 5710, 5352, 5336, 5507, 5438, 5423, 5435, 5384, 5412, 5659, 5624, 5650, 5609, 5524, 5527, 5409, 5419, 5700, 5689, 5454, 5703, 5696, 5668, 5355, 5376, 5250, 5323, 5407, 5587, 5684, 5320, 5707, 5680, 5487, 5519, 5428, 5266, 5341, 5540, 5605, 5556, 5304, 5481, 5715, 5288, 5357, 5520, 5508, 5485, 5511, 5574, 5271, 5630, 5723, 5620, 5286, 5660, 5562, 5688, 5571, 5399, 5443, 5361, 5278, 5327, 5510, 5388, 5638, 5432, 5296, 5463, 5370, 5719, 5550, 5548, 5502, 5674, 5251, 5702, 5584, 5532, 5281, 5536, 5722, 5637, 5389, 5506, 5330, 5705, 5664, 5590, 5476, 5653, 5639, 5683, 5364 (10 hits)
15	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5686, 5611, 5365, 5583, 5415, 5722, 5582, 5519, 5567, 5603, 5678, 5305, 5329, 5662, 5508, 5382, 5361, 5384, 5368, 5357, 5609, 5278, 5340, 5724, 5315, 5418, 5412, 5655, 5402, 5395, 5435, 5579, 5353, 5506, 5394, 5437, 5550, 5628, 5494, 5438, 5443, 5725, 5423, 5625, 5338, 5595, 5475, 5532, 5517, 5290, 5406, 5586, 5569, 5630, 5309, 5589, 5641, 5377, 5378, 5679, 5280, 5379, 5558, 5279, 5462, 5273, 5681, 5284, 5626, 5497, 5547, 5616, 5643, 5705, 5522, 5389, 5302, 5456, 5556, 5571, 5613, 5374, 5292, 5311, 5342, 5261, 5322, 5257, 5561, 5546, 5304, 5445, 5483, 5525, 5688, 5682, 5585, 5296, 5612, 5433 (8 hits)
16	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5522, 5701, 5525, 5718, 5654, 5478, 5563, 5470, 5347, 5469, 5354, 5501, 5475, 5289, 5480, 5490, 5568, 5516, 5604, 5529, 5562, 5481, 5502, 5324, 5314, 5257, 5611, 5360, 5537, 5408, 5331, 5648, 5629, 5376, 5273, 5723, 5414, 5431, 5487, 5255, 5439, 5513, 5559, 5283, 5315, 5649, 5711, 5427, 5614, 5584, 5269, 5362, 5435, 5555, 5433, 5369, 5375, 5583, 5713, 5493, 5519, 5578, 5705, 5499, 5538, 5625, 5551, 5689, 5398, 5571, 5488, 5590, 5409, 5279, 5434, 5577, 5575, 5596, 5586, 5311, 5266, 5503, 5383, 5566, 5712, 5686, 5692, 5306, 5477, 5464, 5258, 5334, 5287, 5579, 5651, 5683, 5396, 5456, 5693, 5405 (11 hits)
17	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5570, 5490, 5390, 5395, 5522, 5539, 5268, 5489, 5492, 5286, 5647, 5338, 5616, 5556, 5460, 5451, 5300, 5628, 5638, 5321, 5667, 5298, 5278, 5470, 5544, 5485, 5394, 5251, 5307, 5365, 5457, 5652, 5421, 5381, 5725, 5429, 5706, 5642, 5669, 5702, 5505, 5262, 5620, 5713, 5666, 5436, 5690, 5496, 5301, 5275, 5710, 5538, 5420, 5393, 5468, 5328, 5385, 5494, 5548, 5357, 5692, 5641, 5406, 5478, 5435, 5636, 5367, 5443, 5430, 5558, 5330, 5484, 5595, 5254, 5341, 5276, 5627, 5440, 5306, 5342, 5295, 5354, 5542, 5591, 5577, 5648, 5375, 5701, 5290, 5369, 5464, 5507, 5281, 5671, 5447, 5645, 5527, 5572, 5606, 5582 (7 hits)
18	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5640, 5574, 5492, 5595, 5560, 5314, 5365, 5597, 5669, 5364, 5442, 5391, 5349, 5618, 5546, 5709, 5532, 5266, 5519, 5648, 5386, 5600, 5632, 5376, 5557, 5710, 5641, 5694, 5466, 5402, 5381, 5485, 5661, 5375, 5504, 5254, 5250, 5268, 5538, 5389, 5258, 5698, 5503, 5267, 5553, 5482, 5673, 5343, 5542, 5590, 5570, 5369, 5484, 5462, 5315, 5301, 5460, 5495, 5617, 5478, 5322, 5487,

Table 89 - FCC frequency hopping radar (Type 6) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5545, 5630, 5326, 5283, 5481, 5573, 5317, 5625, 5282, 5262, 5251, 5393, 5511, 5654, 5467, 5582, 5719, 5527, 5501, 5453, 5463, 5352, 5530, 5605, 5407, 5544, 5506, 5581, 5525, 5725, 5637, 5455, 5363, 5520, 5499, 5374, 5336, 5434 (12 hits)
19	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5687, 5403, 5542, 5521, 5608, 5442, 5534, 5431, 5449, 5430, 5426, 5299, 5540, 5335, 5320, 5261, 5725, 5400, 5597, 5602, 5710, 5388, 5686, 5704, 5580, 5663, 5530, 5295, 5706, 5472, 5634, 5365, 5505, 5544, 5389, 5337, 5527, 5562, 5548, 5610, 5474, 5576, 5606, 5384, 5285, 5518, 5435, 5264, 5711, 5526, 5635, 5473, 5441, 5439, 5712, 5604, 5420, 5674, 5499, 5386, 5444, 5682, 5470, 5345, 5338, 5363, 5414, 5620, 5652, 5492, 5557, 5380, 5310, 5456, 5578, 5383, 5670, 5510, 5480, 5666, 5484, 5653, 5275, 5618, 5253, 5691, 5336, 5517, 5641, 5306, 5478, 5406, 5418, 5455, 5699, 5341, 5485, 5323, 5369, 5274 (9 hits) (08/13/2014 02:50:09 PM)
20	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5610, 5714, 5262, 5641, 5350, 5646, 5413, 5307, 5387, 5589, 5656, 5510, 5355, 5506, 5273, 5400, 5578, 5638, 5397, 5257, 5722, 5685, 5319, 5590, 5670, 5633, 5707, 5523, 5654, 5427, 5583, 5716, 5608, 5282, 5663, 5264, 5521, 5297, 5369, 5451, 5489, 5658, 5380, 5412, 5568, 5294, 5507, 5496, 5344, 5665, 5437, 5396, 5322, 5442, 5458, 5694, 5295, 5691, 5467, 5312, 5374, 5634, 5313, 5290, 5432, 5438, 5559, 5428, 5306, 5639, 5611, 5268, 5528, 5623, 5629, 5561, 5662, 5416, 5443, 5674, 5468, 5378, 5300, 5497, 5390, 5546, 5445, 5515, 5292, 5272, 5317, 5346, 5540, 5632, 5333, 5717, 5419, 5440, 5311, 5392 (9 hits)
21	9	1.0	333.0	Yes	5509.0MHz, -64.0dBm	Hop sequence: 5663, 5475, 5503, 5489, 5681, 5478, 5256, 5419, 5563, 5678, 5652, 5460, 5500, 5315, 5318, 5592, 5706, 5367, 5288, 5406, 5473, 5368, 5342, 5493, 5587, 5426, 5486, 5612, 5389, 5686, 5379, 5443, 5458, 5690, 5452, 5696, 5267, 5654, 5313, 5692, 5354, 5664, 5662, 5296, 5545, 5300, 5567, 5649, 5644, 5558, 5346, 5364, 5520, 5499, 5309, 5263, 5631, 5277, 5687, 5608, 5254, 5682, 5376, 5437, 5603, 5722, 5582, 5345, 5456, 5416, 5584, 5480, 5485, 5600, 5341, 5293, 5669, 5279, 5601, 5453, 5336, 5550, 5617, 5621, 5446, 5507, 5449, 5463, 5451, 5303, 5447, 5284, 5292, 5611, 5286, 5395, 5511, 5397, 5299, 5513 (8 hits)
22	9	1.0	333.0	Yes	5510.0MHz, -64.0dBm	Hop sequence: 5647, 5507, 5301, 5668, 5524, 5525, 5364, 5568, 5521, 5660, 5596, 5430, 5641, 5401, 5650, 5350, 5643, 5577, 5560, 5540, 5505, 5309, 5520, 5610, 5697, 5258, 5516, 5682, 5269, 5536, 5691, 5453, 5285, 5398, 5546, 5405, 5440, 5589, 5341, 5487, 5561, 5257, 5724, 5383, 5576, 5541, 5342, 5712, 5515, 5513, 5374, 5256, 5582, 5514, 5701, 5369, 5336, 5404, 5496, 5652, 5444, 5460, 5347, 5357, 5519, 5654, 5416, 5628, 5406, 5420, 5311, 5298, 5480, 5574, 5562, 5590, 5454, 5396, 5421, 5292, 5474, 5288, 5289, 5438, 5579, 5575, 5315, 5588, 5323, 5381, 5465, 5651, 5265, 5573, 5428, 5280, 5710, 5432, 5303, 5329 (12 hits)
23	9	1.0	333.0	Yes	5511.0MHz, -64.0dBm	Hop sequence: 5567, 5371, 5681, 5377, 5425, 5621, 5686, 5538, 5388, 5699, 5297, 5264, 5668, 5344, 5507, 5622, 5270, 5453, 5310, 5283, 5527, 5557, 5299, 5274, 5434, 5592, 5664, 5303, 5609, 5573, 5657, 5285, 5709, 5368, 5497, 5358, 5528, 5457, 5705, 5553, 5403, 5406, 5496, 5466, 5300, 5443, 5558, 5454, 5513, 5428, 5718, 5359, 5361, 5375, 5690, 5603, 5495, 5289, 5639, 5281, 5711, 5724, 5399, 5324, 5315, 5265, 5578, 5672, 5288, 5539, 5472, 5464, 5320, 5719, 5317, 5604, 5342, 5492, 5360, 5479, 5524, 5563, 5525, 5313, 5312, 5357, 5330, 5266, 5624, 5414, 5678, 5424, 5684, 5393,

Table 89 - FCC frequency hopping radar (Type 6) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5518, 5319, 5268, 5347, 5439, 5485 (11 hits) (08/13/2014 02:50:39 PM)
24	9	1.0	333.0	Yes	5512.0MHz, -64.0dBm	Hop sequence: 5491, 5300, 5257, 5439, 5506, 5385, 5334, 5602, 5524, 5418, 5386, 5477, 5650, 5631, 5387, 5598, 5694, 5505, 5488, 5532, 5252, 5529, 5513, 5437, 5407, 5592, 5339, 5543, 5323, 5674, 5348, 5630, 5590, 5665, 5623, 5512, 5586, 5282, 5683, 5258, 5436, 5335, 5660, 5331, 5500, 5313, 5718, 5427, 5599, 5315, 5587, 5519, 5448, 5255, 5567, 5550, 5657, 5533, 5655, 5396, 5566, 5688, 5652, 5467, 5261, 5341, 5347, 5445, 5662, 5481, 5721, 5425, 5611, 5686, 5308, 5544, 5416, 5582, 5673, 5725, 5641, 5654, 5565, 5719, 5669, 5547, 5496, 5281, 5389, 5507, 5264, 5263, 5682, 5355, 5273, 5352, 5490, 5338, 5600, 5591 (11 hits)
25	9	1.0	333.0	Yes	5513.0MHz, -64.0dBm	Hop sequence: 5541, 5564, 5466, 5252, 5592, 5669, 5373, 5492, 5404, 5646, 5631, 5549, 5668, 5352, 5610, 5407, 5701, 5355, 5614, 5704, 5514, 5603, 5455, 5288, 5475, 5452, 5607, 5339, 5503, 5563, 5651, 5711, 5667, 5267, 5530, 5632, 5403, 5465, 5437, 5598, 5691, 5573, 5454, 5310, 5566, 5645, 5502, 5636, 5380, 5413, 5531, 5422, 5329, 5678, 5260, 5674, 5567, 5255, 5606, 5618, 5538, 5461, 5321, 5677, 5501, 5718, 5521, 5664, 5675, 5270, 5358, 5548, 5504, 5506, 5428, 5303, 5293, 5545, 5583, 5323, 5439, 5518, 5694, 5473, 5642, 5587, 5537, 5361, 5291, 5276, 5547, 5360, 5332, 5324, 5693, 5658, 5652, 5366, 5432, 5582 (9 hits)
26	9	1.0	333.0	Yes	5514.0MHz, -64.0dBm	Hop sequence: 5304, 5435, 5644, 5578, 5525, 5724, 5329, 5501, 5360, 5503, 5581, 5676, 5278, 5324, 5292, 5623, 5442, 5272, 5333, 5335, 5638, 5437, 5594, 5267, 5575, 5411, 5495, 5461, 5576, 5632, 5347, 5373, 5497, 5622, 5289, 5273, 5337, 5316, 5367, 5348, 5685, 5686, 5356, 5277, 5368, 5301, 5709, 5441, 5403, 5374, 5613, 5311, 5251, 5539, 5288, 5695, 5467, 5473, 5530, 5405, 5601, 5448, 5387, 5527, 5330, 5522, 5276, 5599, 5651, 5390, 5459, 5506, 5274, 5628, 5295, 5711, 5470, 5716, 5661, 5719, 5342, 5489, 5424, 5624, 5357, 5265, 5445, 5672, 5551, 5285, 5681, 5656, 5389, 5696, 5379, 5458, 5494, 5555, 5657, 5648 (9 hits) (08/13/2014 02:51:02 PM)
27	9	1.0	333.0	Yes	5515.0MHz, -64.0dBm	Hop sequence: 5641, 5457, 5362, 5371, 5703, 5714, 5329, 5386, 5421, 5322, 5506, 5585, 5295, 5469, 5317, 5565, 5277, 5511, 5520, 5677, 5522, 5594, 5296, 5657, 5321, 5489, 5309, 5722, 5569, 5369, 5411, 5267, 5689, 5652, 5361, 5650, 5606, 5507, 5355, 5407, 5428, 5275, 5419, 5493, 5288, 5600, 5439, 5515, 5596, 5643, 5499, 5358, 5408, 5250, 5668, 5291, 5483, 5711, 5415, 5310, 5349, 5715, 5434, 5631, 5680, 5620, 5435, 5372, 5687, 5538, 5624, 5360, 5671, 5608, 5548, 5388, 5519, 5473, 5363, 5454, 5586, 5726, 5602, 5455, 5639, 5313, 5468, 5412, 5278, 5570, 5359, 5504, 5392, 5556, 5557, 5298, 5432, 5536, 5580, 5575 (10 hits)
28	9	1.0	333.0	Yes	5516.0MHz, -64.0dBm	Hop sequence: 5724, 5523, 5436, 5313, 5681, 5606, 5410, 5552, 5365, 5560, 5628, 5530, 5289, 5458, 5407, 5448, 5499, 5469, 5329, 5269, 5522, 5722, 5646, 5495, 5451, 5568, 5333, 5631, 5348, 5376, 5620, 5571, 5440, 5381, 5540, 5668, 5310, 5394, 5398, 5418, 5425, 5484, 5383, 5261, 5613, 5715, 5317, 5356, 5500, 5349, 5286, 5307, 5482, 5638, 5719, 5364, 5258, 5380, 5701, 5542, 5640, 5483, 5699, 5545, 5351, 5439, 5335, 5459, 5670, 5446, 5480, 5621, 5585, 5390, 5272, 5688, 5263, 5497, 5257, 5557, 5493, 5382, 5708, 5654, 5468, 5472, 5718, 5519, 5651, 5297, 5318, 5665, 5489, 5450, 5355, 5285, 5550, 5460, 5589, 5323 (8 hits)
29	9	1.0	333.0	Yes	5517.0MHz,	Hop sequence: 5334, 5485, 5552, 5363, 5676, 5521,

Table 89 - FCC frequency hopping radar (Type 6) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	5262, 5414, 5652, 5578, 5614, 5376, 5403, 5453, 5395, 5353, 5634, 5551, 5597, 5643, 5387, 5349, 5355, 5604, 5326, 5313, 5493, 5658, 5466, 5361, 5654, 5269, 5454, 5620, 5501, 5252, 5440, 5672, 5282, 5660, 5384, 5621, 5261, 5631, 5475, 5331, 5673, 5323, 5606, 5474, 5603, 5618, 5557, 5694, 5251, 5342, 5351, 5470, 5721, 5573, 5514, 5612, 5411, 5336, 5609, 5340, 5511, 5674, 5277, 5315, 5401, 5339, 5468, 5294, 5726, 5565, 5716, 5715, 5542, 5647, 5300, 5641, 5314, 5613, 5320, 5632, 5570, 5561, 5512, 5472, 5526, 5365, 5560, 5541, 5566, 5669, 5325, 5520, 5366, 5425 (8 hits)
30	9	1.0	333.0	Yes	5518.0MHz, -64.0dBm	Hop sequence: 5406, 5685, 5623, 5532, 5450, 5597, 5449, 5254, 5492, 5604, 5603, 5525, 5485, 5555, 5714, 5617, 5423, 5300, 5581, 5591, 5505, 5439, 5607, 5321, 5272, 5391, 5365, 5292, 5596, 5501, 5373, 5657, 5268, 5592, 5705, 5550, 5380, 5286, 5378, 5311, 5434, 5711, 5576, 5577, 5612, 5346, 5601, 5621, 5389, 5335, 5534, 5534, 5526, 5340, 5494, 5522, 5627, 5436, 5314, 5677, 5563, 5348, 5280, 5440, 5413, 5393, 5370, 5536, 5255, 5353, 5516, 5619, 5687, 5698, 5560, 5661, 5356, 5696, 5278, 5457, 5688, 5275, 5415, 5257, 5351, 5303, 5651, 5279, 5693, 5527, 5289, 5269, 5465, 5466, 5694, 5453, 5579, 5712, 5666, 5558 (9 hits)
31	9	1.0	333.0	Yes	5519.0MHz, -64.0dBm	Hop sequence: 5320, 5651, 5409, 5359, 5622, 5407, 5464, 5347, 5457, 5496, 5688, 5568, 5583, 5485, 5474, 5479, 5684, 5493, 5720, 5397, 5664, 5567, 5323, 5370, 5482, 5361, 5653, 5584, 5631, 5413, 5278, 5274, 5647, 5270, 5532, 5339, 5629, 5655, 5425, 5408, 5566, 5602, 5523, 5724, 5596, 5342, 5630, 5313, 5334, 5621, 5302, 5701, 5326, 5695, 5340, 5498, 5259, 5597, 5384, 5396, 5331, 5303, 5652, 5390, 5383, 5617, 5669, 5287, 5357, 5432, 5416, 5262, 5354, 5306, 5481, 5526, 5448, 5298, 5472, 5440, 5456, 5519, 5345, 5513, 5648, 5470, 5293, 5252, 5722, 5285, 5388, 5460, 5682, 5264, 5353, 5286, 5304, 5444, 5333, 5562 (7 hits)
32	9	1.0	333.0	Yes	5520.0MHz, -64.0dBm	Hop sequence: 5535, 5630, 5433, 5306, 5464, 5718, 5703, 5694, 5568, 5539, 5680, 5361, 5368, 5558, 5268, 5488, 5717, 5665, 5309, 5377, 5307, 5712, 5412, 5628, 5417, 5322, 5277, 5338, 5290, 5556, 5543, 5489, 5579, 5478, 5494, 5295, 5645, 5536, 5312, 5440, 5692, 5342, 5463, 5581, 5285, 5333, 5602, 5721, 5629, 5675, 5425, 5445, 5518, 5264, 5448, 5432, 5627, 5527, 5698, 5559, 5403, 5371, 5587, 5691, 5317, 5661, 5318, 5695, 5501, 5532, 5530, 5657, 5310, 5382, 5304, 5286, 5609, 5572, 5603, 5367, 5435, 5380, 5475, 5505, 5413, 5613, 5423, 5577, 5549, 5273, 5499, 5263, 5724, 5473, 5639, 5653, 5621, 5410, 5337, 5642 (6 hits)
33	9	1.0	333.0	Yes	5521.0MHz, -64.0dBm	Hop sequence: 5338, 5713, 5361, 5654, 5293, 5450, 5298, 5600, 5365, 5559, 5408, 5667, 5326, 5534, 5449, 5666, 5442, 5432, 5626, 5595, 5498, 5647, 5325, 5492, 5521, 5281, 5642, 5602, 5261, 5303, 5556, 5437, 5328, 5682, 5655, 5369, 5404, 5587, 5703, 5617, 5402, 5707, 5403, 5520, 5606, 5292, 5591, 5383, 5517, 5421, 5513, 5648, 5385, 5461, 5689, 5532, 5260, 5561, 5536, 5675, 5418, 5525, 5341, 5393, 5643, 5529, 5554, 5477, 5271, 5636, 5412, 5497, 5299, 5254, 5378, 5678, 5609, 5575, 5661, 5526, 5641, 5311, 5257, 5664, 5282, 5665, 5631, 5354, 5618, 5624, 5599, 5568, 5683, 5535, 5715, 5465, 5458, 5367, 5700, 5305 (10 hits)
34	9	1.0	333.0	Yes	5522.0MHz, -64.0dBm	Hop sequence: 5391, 5395, 5545, 5461, 5446, 5350, 5699, 5574, 5310, 5261, 5716, 5583, 5577, 5573, 5686, 5602, 5497, 5347, 5690, 5432, 5478, 5268, 5637, 5413, 5533, 5380, 5450, 5333, 5668, 5295, 5684, 5300, 5580, 5723, 5515, 5414, 5611, 5465, 5399, 5656, 5351, 5422, 5481, 5471, 5305, 5464,

Table 89 - FCC frequency hopping radar (Type 6) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5537, 5662, 5639, 5440, 5509, 5691, 5476, 5685, 5502, 5674, 5407, 5384, 5714, 5303, 5541, 5377, 5286, 5429, 5260, 5267, 5306, 5289, 5650, 5428, 5320, 5408, 5254, 5561, 5658, 5364, 5390, 5479, 5257, 5683, 5354, 5520, 5259, 5711, 5539, 5697, 5357, 5373, 5330, 5340, 5581, 5445, 5659, 5531, 5548, 5635, 5503, 5506, 5368, 5338 (7 hits)
35	9	1.0	333.0	Yes	5523.0MHz, -64.0dBm	Hop sequence: 5593, 5376, 5539, 5557, 5522, 5639, 5537, 5250, 5471, 5677, 5479, 5513, 5282, 5266, 5719, 5378, 5645, 5725, 5713, 5582, 5716, 5382, 5613, 5317, 5521, 5377, 5643, 5696, 5497, 5434, 5351, 5356, 5524, 5374, 5399, 5276, 5314, 5723, 5418, 5628, 5711, 5348, 5446, 5424, 5637, 5435, 5674, 5329, 5526, 5715, 5502, 5615, 5390, 5288, 5590, 5305, 5678, 5387, 5667, 5681, 5703, 5309, 5261, 5574, 5411, 5684, 5270, 5578, 5359, 5361, 5529, 5326, 5420, 5698, 5519, 5625, 5490, 5694, 5401, 5673, 5265, 5345, 5258, 5672, 5644, 5690, 5598, 5483, 5404, 5358, 5389, 5544, 5600, 5642, 5573, 5555, 5296, 5596, 5363, 5507 (10 hits)
36	9	1.0	333.0	Yes	5524.0MHz, -64.0dBm	Hop sequence: 5362, 5363, 5343, 5457, 5334, 5386, 5687, 5479, 5566, 5726, 5364, 5340, 5418, 5294, 5270, 5527, 5551, 5511, 5677, 5494, 5577, 5671, 5669, 5371, 5476, 5535, 5452, 5296, 5288, 5616, 5520, 5605, 5561, 5265, 5716, 5392, 5278, 5347, 5359, 5579, 5552, 5490, 5421, 5712, 5398, 5410, 5274, 5582, 5446, 5531, 5427, 5273, 5496, 5280, 5521, 5368, 5431, 5602, 5626, 5651, 5453, 5619, 5449, 5293, 5466, 5316, 5342, 5413, 5403, 5719, 5320, 5593, 5373, 5693, 5694, 5401, 5501, 5507, 5356, 5682, 5618, 5652, 5660, 5516, 5666, 5631, 5412, 5285, 5598, 5621, 5653, 5554, 5360, 5611, 5439, 5332, 5426, 5523, 5553, 5645 (10 hits)
37	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5528, 5270, 5564, 5254, 5366, 5653, 5499, 5620, 5294, 5717, 5345, 5289, 5635, 5565, 5554, 5484, 5508, 5429, 5477, 5522, 5351, 5468, 5385, 5693, 5718, 5427, 5453, 5534, 5359, 5606, 5609, 5596, 5447, 5369, 5377, 5710, 5587, 5650, 5625, 5694, 5662, 5529, 5690, 5439, 5714, 5661, 5367, 5454, 5649, 5363, 5589, 5615, 5639, 5473, 5559, 5465, 5277, 5713, 5347, 5711, 5399, 5448, 5700, 5446, 5537, 5599, 5603, 5709, 5520, 5398, 5593, 5403, 5672, 5631, 5274, 5533, 5549, 5490, 5355, 5567, 5574, 5647, 5645, 5301, 5459, 5418, 5512, 5643, 5342, 5507, 5531, 5513, 5584, 5292, 5302, 5541, 5263, 5469, 5557, 5437 (9 hits)
38	9	1.0	333.0	Yes	5526.0MHz, -64.0dBm	Hop sequence: 5582, 5528, 5420, 5668, 5323, 5602, 5391, 5715, 5411, 5255, 5299, 5559, 5577, 5516, 5353, 5571, 5651, 5677, 5456, 5305, 5303, 5463, 5574, 5435, 5371, 5400, 5377, 5708, 5578, 5627, 5396, 5707, 5527, 5509, 5691, 5542, 5434, 5697, 5572, 5688, 5594, 5636, 5719, 5579, 5260, 5282, 5558, 5388, 5618, 5331, 5340, 5268, 5695, 5277, 5310, 5304, 5466, 5372, 5680, 5632, 5311, 5622, 5529, 5262, 5484, 5471, 5410, 5589, 5422, 5595, 5585, 5626, 5291, 5511, 5314, 5565, 5312, 5298, 5623, 5608, 5357, 5320, 5548, 5667, 5612, 5315, 5525, 5278, 5723, 5588, 5288, 5678, 5564, 5446, 5587, 5379, 5613, 5654, 5276, 5477 (7 hits)
39	9	1.0	333.0	Yes	5527.0MHz, -64.0dBm	Hop sequence: 5403, 5325, 5692, 5554, 5665, 5260, 5434, 5553, 5359, 5408, 5452, 5348, 5502, 5680, 5375, 5319, 5331, 5722, 5520, 5456, 5688, 5674, 5616, 5541, 5429, 5589, 5473, 5324, 5552, 5675, 5339, 5290, 5333, 5596, 5424, 5308, 5716, 5612, 5416, 5275, 5410, 5344, 5449, 5273, 5671, 5265, 5464, 5398, 5476, 5602, 5689, 5606, 5296, 5343, 5494, 5694, 5271, 5705, 5567, 5535, 5353, 5632, 5443, 5254, 5481, 5645, 5580, 5281, 5634, 5726, 5511, 5321, 5631, 5278, 5305, 5610, 5558, 5402, 5447, 5483, 5704, 5355, 5496, 5635, 5568, 5647,

Table 89 - FCC frequency hopping radar (Type 6) Results 802.11ac 40MHz (XR630)						
Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5683, 5334, 5289, 5651, 5708, 5608, 5461, 5603, 5394, 5390, 5717, 5571, 5255, 5604 (5 hits)

Table 90 - Long Sequence Waveform Summary 802.11ac 40MHz (XR630)		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	NOT Detected	5510.0MHz, -64.0dBm
Trial #2	Detected	5505.0MHz, -64.0dBm
Trial #3	Detected	5500.0MHz, -64.0dBm
Trial #4	Detected	5495.0MHz, -64.0dBm
Trial #5	Detected	5525.0MHz, -64.0dBm
Trial #6	Detected	5520.0MHz, -64.0dBm
Trial #7	Detected	5515.0MHz, -64.0dBm
Trial #8	Detected	5510.0MHz, -64.0dBm
Trial #9	Detected	5505.0MHz, -64.0dBm
Trial #10	Detected	5500.0MHz, -64.0dBm
Trial #11	NOT Detected	5495.0MHz, -64.0dBm
Trial #12	Detected	5525.0MHz, -64.0dBm
Trial #13	Detected	5520.0MHz, -64.0dBm
Trial #14	Detected	5515.0MHz, -64.0dBm
Trial #15	Detected	5510.0MHz, -64.0dBm
Trial #16	Detected	5505.0MHz, -64.0dBm
Trial #17	Detected	5500.0MHz, -64.0dBm
Trial #18	NOT Detected	5495.0MHz, -64.0dBm
Trial #19	NOT Detected	5525.0MHz, -64.0dBm
Trial #20	Detected	5520.0MHz, -64.0dBm
Trial #21	Detected	5515.0MHz, -64.0dBm
Trial #22	Detected	5510.0MHz, -64.0dBm
Trial #23	Detected	5505.0MHz, -64.0dBm
Trial #24	Detected	5500.0MHz, -64.0dBm
Trial #25	NOT Detected	5495.0MHz, -64.0dBm
Trial #26	Detected	5525.0MHz, -64.0dBm
Trial #27	Detected	5520.0MHz, -64.0dBm
Trial #28	Detected	5515.0MHz, -64.0dBm
Trial #29	Detected	5510.0MHz, -64.0dBm
Trial #30	Detected	5505.0MHz, -64.0dBm

Table 91 - Long Sequence Waveform Trial#1 (NOT Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	57.7	15	1769.0	-	1.152697
2	1	56.8	9	-	-	2.959515
3	2	57.7	12	1248.0	-	3.157628
4	3	50.4	9	1726.0	1219.0	5.947613
5	1	74.0	14	-	-	6.275161
6	2	73.7	16	1380.0	-	8.421075
7	1	80.1	8	-	-	9.660610
8	2	80.7	19	1042.0	-	11.500448

Table 92 - Long Sequence Waveform Trial#2 (Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	62.4	13	1606.0	1340.0	0.445456
2	2	63.3	19	1093.0	-	1.471031
3	1	61.1	13	-	-	2.601812
4	2	96.5	13	1838.0	-	3.274856
5	2	90.5	17	1138.0	-	3.789294
6	3	72.5	16	1486.0	1358.0	4.855000
7	2	92.0	6	1227.0	-	5.684371
8	1	72.8	17	-	-	6.852478
9	3	62.9	17	1178.0	1172.0	7.515913
10	2	88.3	12	1473.0	-	8.698451
11	1	89.1	5	-	-	9.889882
12	2	92.9	10	1469.0	-	11.064270
13	1	86.7	9	-	-	11.855851

Table 93 - Long Sequence Waveform Trial#3 (Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	99.3	13	-	-	0.965359
2	2	91.1	14	1103.0	-	1.295873
3	1	50.8	13	-	-	3.586216
4	2	78.7	19	1759.0	-	4.676994
5	2	81.6	17	1836.0	-	5.495126
6	3	79.0	5	1333.0	1285.0	6.699987
7	2	82.0	10	1317.0	-	7.772427
8	2	75.8	13	1342.0	-	9.556280
9	2	64.0	11	1610.0	-	10.025426
10	2	51.8	6	1990.0	-	11.419315

Table 94 - Long Sequence Waveform Trial#4 (Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	70.7	19	1915.0	-	0.176882
2	1	99.5	20	-	-	1.083631
3	2	97.7	16	1899.0	-	1.635620
4	2	87.4	11	1904.0	-	2.197708
5	3	85.0	6	1644.0	1692.0	2.899168
6	1	84.4	14	-	-	3.539910
7	2	77.6	12	1972.0	-	4.543742
8	2	68.5	17	1912.0	-	5.120001
9	3	67.1	9	1722.0	1448.0	6.004395
10	2	85.4	16	1243.0	-	6.475304
11	3	50.8	7	1377.0	1349.0	7.652177
12	3	62.1	20	1982.0	1368.0	7.811419
13	2	93.0	17	1674.0	-	8.991625
14	2	51.1	16	1633.0	-	9.643854
15	1	67.7	9	-	-	10.588021
16	2	95.9	16	1973.0	-	10.649775
17	3	98.2	9	1239.0	1578.0	11.933192

Table 95 - Long Sequence Waveform Trial#5 (Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	50.6	19	1427.0	-	1.301103
2	2	72.6	15	1579.0	-	2.526833
3	1	51.9	6	-	-	3.935073
4	3	95.1	11	1044.0	1681.0	4.585576
5	1	96.8	11	-	-	6.390026
6	3	57.7	18	1259.0	1807.0	7.679643
7	2	98.3	15	1914.0	-	9.558679
8	2	88.3	8	1178.0	-	10.978759

Table 96 - Long Sequence Waveform Trial#6 (Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	67.8	8	1350.0	-	0.586075
2	1	97.4	20	-	-	1.561782
3	2	96.6	15	1103.0	-	2.359605
4	1	52.9	19	-	-	3.117924
5	2	79.6	12	1618.0	-	3.898266
6	2	95.1	7	1438.0	-	4.193550
7	2	75.1	7	1586.0	-	4.820937
8	1	68.5	14	-	-	6.395658
9	2	50.2	10	1180.0	-	6.606577
10	2	83.8	19	1292.0	-	7.751266
11	1	68.5	10	-	-	8.404731
12	1	62.4	8	-	-	8.927471
13	2	73.6	17	1793.0	-	10.262538
14	3	57.6	14	1951.0	1167.0	10.586943
15	3	89.2	19	1760.0	1976.0	11.991570

Table 97 - Long Sequence Waveform Trial#7 (Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	98.1	20	1994.0	-	0.636000
2	2	69.9	8	1866.0	-	1.847975
3	2	57.1	12	1762.0	-	3.566484
4	3	93.6	12	1574.0	1327.0	4.539204
5	3	96.4	12	1966.0	1521.0	6.326756
6	2	89.1	8	1018.0	-	7.072150
7	3	72.0	5	1388.0	1509.0	9.099845
8	2	73.9	15	1688.0	-	10.128442
9	2	64.7	7	1133.0	-	10.919677

Table 98 - Long Sequence Waveform Trial#8 (Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	99.2	20	1131.0	1808.0	0.062252
2	1	77.6	12	-	-	1.651735
3	2	64.2	11	1044.0	-	2.507405
4	1	51.4	7	-	-	3.936396
5	2	76.9	14	1487.0	-	4.526755
6	3	77.5	17	1709.0	1606.0	5.671549
7	2	74.6	7	1514.0	-	7.087128
8	3	74.4	15	1956.0	1403.0	8.591042
9	3	76.5	5	1864.0	1539.0	8.949645
10	2	59.3	14	1171.0	-	10.053212
11	1	89.0	7	-	-	11.823671

Table 99 - Long Sequence Waveform Trial#9 (Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	92.2	16	1811.0	1356.0	0.120796
2	2	74.0	8	1445.0	-	0.910625
3	2	56.8	15	1821.0	-	2.295405
4	1	86.4	8	-	-	2.643293
5	3	72.7	10	1736.0	1234.0	3.953029
6	2	82.1	6	1614.0	-	5.110696
7	2	72.4	6	1066.0	-	5.854286
8	2	88.7	18	1521.0	-	6.546019
9	2	63.8	19	1711.0	-	6.929479
10	3	50.1	18	1811.0	1493.0	7.952262
11	2	54.2	11	1856.0	-	9.211458
12	1	97.9	16	-	-	9.791087
13	2	63.1	19	1127.0	-	10.695512
14	2	50.1	15	1464.0	-	11.613240

Table 100 - Long Sequence Waveform Trial#10 (Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	56.7	8	1307.0	-	0.572932
2	2	68.0	14	1423.0	-	1.190693
3	1	95.1	6	-	-	1.842818
4	2	61.7	7	1818.0	-	3.415481
5	1	52.4	14	-	-	3.816606
6	2	53.9	6	1569.0	-	4.857004
7	1	67.3	9	-	-	5.863041
8	1	51.8	12	-	-	6.451859
9	1	87.9	6	-	-	6.930794
10	2	73.8	19	1841.0	-	8.517723
11	2	67.2	9	1214.0	-	8.713304
12	3	95.5	14	1853.0	1173.0	9.956095
13	1	82.2	15	-	-	11.082155
14	1	74.0	5	-	-	11.750293

Table 101 - Long Sequence Waveform Trial#11 (NOT Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.8	7	1236.0	-	0.006817
2	3	63.1	19	1214.0	1041.0	0.997271
3	1	86.0	19	-	-	2.461910
4	2	76.9	9	1595.0	-	3.143372
5	1	86.7	10	-	-	4.068670
6	2	57.6	12	1380.0	-	4.848980
7	2	93.8	19	1101.0	-	6.368186
8	2	89.6	17	1515.0	-	7.207124
9	2	54.8	19	1771.0	-	7.898536
10	2	81.0	8	1820.0	-	8.841964
11	1	71.7	11	-	-	9.983057
12	3	73.3	16	1502.0	1152.0	11.028909
13	2	65.1	20	1741.0	-	11.834287

Table 102 - Long Sequence Waveform Trial#12 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	99.0	18	1811.0	-	0.270304
2	2	73.1	6	1947.0	-	1.538891
3	2	71.3	19	1396.0	-	3.565093
4	2	97.9	12	1734.0	-	3.793169
5	2	71.4	19	1867.0	-	5.527298
6	2	54.1	14	1425.0	-	6.225626
7	2	90.8	6	1493.0	-	7.392170
8	1	71.6	6	-	-	8.667819
9	3	81.6	11	1483.0	1240.0	10.517241
10	1	63.7	8	-	-	11.499373

Table 103 - Long Sequence Waveform Trial#13 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	80.9	6	1505.0	-	0.470832
2	1	61.2	17	-	-	0.644128
3	2	53.9	8	1009.0	-	1.774054
4	2	71.4	18	1622.0	-	2.405125
5	2	53.1	5	1961.0	-	2.780441
6	2	56.7	12	1052.0	-	3.415515
7	1	66.5	15	-	-	4.226949
8	2	95.6	14	1306.0	-	4.764248
9	3	54.0	19	1276.0	1563.0	5.175852
10	1	52.4	15	-	-	5.698887
11	1	86.5	13	-	-	6.867169
12	1	62.8	5	-	-	7.396571
13	3	68.8	14	1976.0	1979.0	8.190403
14	1	72.8	16	-	-	8.561426
15	2	74.5	12	1799.0	-	9.014020
16	2	80.2	18	1784.0	-	9.766100
17	1	58.3	15	-	-	10.178011
18	2	82.4	5	1040.0	-	10.876634
19	2	50.7	16	1363.0	-	11.643278

Table 104 - Long Sequence Waveform Trial#14 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	97.8	11	1037.0	-	0.168746
2	2	81.8	20	1696.0	-	1.251611
3	2	89.1	9	1290.0	-	2.233209
4	3	84.3	12	1110.0	1859.0	2.778260
5	2	50.5	12	1167.0	-	3.756996
6	3	72.9	6	1532.0	1858.0	4.353820
7	2	66.5	14	1229.0	-	5.489636
8	1	64.3	10	-	-	5.918069
9	3	69.0	6	1450.0	1792.0	6.939301
10	1	62.4	12	-	-	7.750277
11	3	76.5	6	1612.0	1543.0	8.726728
12	2	58.6	6	1839.0	-	8.945206
13	2	82.3	13	1405.0	-	9.610262
14	2	75.9	9	1260.0	-	10.887511
15	1	94.8	16	-	-	11.939076

Table 105 - Long Sequence Waveform Trial#15 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	63.0	13	1138.0	1322.0	0.714798
2	2	61.9	12	1972.0	-	2.312737
3	3	82.7	6	1594.0	1142.0	3.147364
4	3	57.5	7	1827.0	1897.0	4.029890
5	1	70.7	17	-	-	5.521418
6	3	66.8	5	1478.0	1755.0	6.523568
7	1	50.7	9	-	-	7.704426
8	2	66.8	20	1809.0	-	8.816832
9	1	71.0	15	-	-	9.856485
10	2	76.7	12	1546.0	-	11.779550

Table 106 - Long Sequence Waveform Trial#16 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	50.1	19	-	-	1.075462
2	2	70.8	17	1042.0	-	1.833030
3	3	96.1	13	1610.0	1927.0	3.073795
4	3	98.6	15	1928.0	1023.0	4.094948
5	3	72.5	10	1869.0	1878.0	5.025683
6	2	84.7	10	1669.0	-	5.529608
7	2	81.0	9	1855.0	-	6.709598
8	2	65.0	7	1121.0	-	7.794746
9	3	88.2	12	1784.0	1536.0	9.733126
10	2	75.2	7	1852.0	-	10.776396
11	2	99.7	18	1400.0	-	11.238880

Table 107 - Long Sequence Waveform Trial#17 (Detected) 802.11ac 40MHz

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	88.6	17	-	-	0.586218
2	2	68.3	14	1230.0	-	1.186820
3	2	88.4	13	1150.0	-	1.793189
4	1	59.1	10	-	-	2.370037
5	2	92.7	18	1821.0	-	3.476313
6	2	99.5	13	1172.0	-	3.716445
7	3	54.9	14	1937.0	1606.0	4.546542
8	2	84.7	15	1332.0	-	5.052969
9	2	59.3	16	1056.0	-	6.140770
10	3	52.8	19	1655.0	1671.0	6.809387
11	3	64.0	7	1983.0	1111.0	7.146160
12	2	91.4	16	1255.0	-	8.019385
13	2	86.5	18	1579.0	-	8.570350
14	2	65.0	18	1898.0	-	9.653160
15	1	63.6	10	-	-	10.588002
16	2	64.4	16	1759.0	-	10.771647
17	2	53.4	12	1325.0	-	11.403981

Table 108 - Long Sequence Waveform Trial#18 (NOT Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	95.5	14	1836.0	-	0.304274
2	3	82.3	18	1403.0	1065.0	0.969900
3	1	76.4	20	-	-	1.982299
4	2	65.5	14	1006.0	-	2.724084
5	1	72.9	19	-	-	3.509918
6	1	74.3	14	-	-	4.330281
7	1	99.2	15	-	-	5.110904
8	2	99.2	10	1732.0	-	5.871671
9	1	86.6	20	-	-	6.045505
10	3	76.2	14	1876.0	1814.0	6.809190
11	2	52.6	17	1592.0	-	8.036966
12	1	69.4	9	-	-	8.670386
13	2	92.6	18	1853.0	-	9.680893
14	2	58.0	9	1063.0	-	10.493013
15	3	95.6	7	1461.0	1163.0	11.222390
16	3	95.8	9	1675.0	1905.0	11.381966

Table 109 - Long Sequence Waveform Trial#19 (NOT Detected) 802.11ac 40MHz (XR630)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	77.3	6	1043.0	1401.0	0.377526
2	2	54.8	10	1810.0	-	1.738871
3	3	64.1	8	1897.0	1097.0	2.816779
4	2	71.6	10	1503.0	-	4.171314
5	2	82.7	13	1017.0	-	4.610132
6	3	57.9	7	1860.0	1597.0	6.288431
7	3	65.1	20	1405.0	1104.0	6.715657

Table 109 - Long Sequence Waveform Trial#19 (NOT Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	3	60.8	19	1895.0	1886.0	8.647947
9	2	62.7	13	1878.0	-	9.022553
10	1	57.2	17	-	-	10.209474
11	2	84.7	7	1210.0	-	11.585229

Table 110 - Long Sequence Waveform Trial#20 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	74.7	16	1496.0	-	0.939299
2	2	75.7	5	1913.0	-	2.016690
3	2	85.0	16	1938.0	-	2.923284
4	1	56.2	15	-	-	4.046926
5	2	74.2	8	1074.0	-	5.489088
6	2	83.2	15	1956.0	-	6.229952
7	2	65.0	19	1915.0	-	8.175335
8	1	76.1	10	-	-	8.477600
9	2	74.5	12	1973.0	-	10.456498
10	3	98.7	16	1908.0	1419.0	11.897941

Table 111 - Long Sequence Waveform Trial#21 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	53.5	16	1019.0	-	0.312776
2	3	76.8	8	1914.0	1594.0	1.381726
3	1	53.4	7	-	-	2.271677
4	3	78.5	6	1871.0	1838.0	2.943603
5	2	98.5	11	1152.0	-	3.906502
6	2	58.5	5	1746.0	-	4.605089
7	2	66.3	7	1379.0	-	5.525041
8	3	60.8	5	1702.0	1319.0	6.248966
9	3	69.5	13	1004.0	1956.0	6.806449
10	2	94.3	17	1166.0	-	7.317546
11	1	55.1	20	-	-	8.668565
12	3	57.4	18	1949.0	1430.0	9.356939
13	3	66.8	13	1917.0	1555.0	9.634157
14	2	58.3	16	1843.0	-	10.919747
15	3	68.5	14	1001.0	1453.0	11.331382

Table 112 - Long Sequence Waveform Trial#22 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	57.4	5	-	-	0.183508
2	1	65.9	18	-	-	1.346339
3	2	98.8	14	1165.0	-	1.621770
4	2	65.7	17	1945.0	-	2.148554
5	1	83.5	6	-	-	3.194052
6	2	95.9	16	1501.0	-	3.925068

Table 112 - Long Sequence Waveform Trial#22 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
7	2	67.0	13	1810.0	-	4.511568
8	3	93.1	12	1535.0	1419.0	5.099878
9	2	60.5	14	1247.0	-	5.884098
10	1	56.3	16	-	-	7.005450
11	3	61.6	14	1237.0	1700.0	7.348858
12	3	71.9	8	1436.0	1411.0	8.337013
13	3	51.5	10	1207.0	1665.0	8.844027
14	2	67.1	17	1495.0	-	9.835038
15	3	64.2	15	1159.0	1321.0	9.970759
16	1	50.4	8	-	-	11.029352
17	3	57.2	11	1065.0	1612.0	11.483554

Table 113 - Long Sequence Waveform Trial#23 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	92.7	14	-	-	0.075614
2	2	92.6	7	1784.0	-	1.224895
3	3	85.9	11	1152.0	1581.0	1.935177
4	3	95.4	20	1103.0	1256.0	3.156555
5	3	68.7	12	1196.0	1278.0	3.973333
6	1	90.2	11	-	-	4.671711
7	3	64.9	9	1646.0	1505.0	5.460181
8	2	94.1	8	1065.0	-	6.414964
9	3	97.0	20	1941.0	1685.0	7.315906
10	1	96.0	12	-	-	7.737941
11	2	77.0	8	1170.0	-	9.131751
12	2	50.1	19	1064.0	-	10.083143
13	3	59.8	15	1996.0	1594.0	10.563499
14	1	58.3	7	-	-	11.308666

Table 114 - Long Sequence Waveform Trial#24 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	77.9	7	1445.0	1773.0	0.381537
2	2	52.5	16	1662.0	-	0.910698
3	3	64.3	10	1498.0	1600.0	1.234985
4	3	86.9	16	1522.0	1239.0	2.031087
5	3	72.7	5	1926.0	1826.0	2.624098
6	1	73.7	5	-	-	3.478881
7	1	83.5	19	-	-	3.783165
8	2	92.6	5	1862.0	-	4.436938
9	1	97.5	12	-	-	4.923728
10	3	54.1	12	1218.0	1002.0	5.552406
11	2	93.7	18	1112.0	-	6.361557
12	3	91.5	9	1885.0	1919.0	7.028355
13	1	96.4	10	-	-	7.343272
14	3	50.2	20	1599.0	1912.0	7.831173
15	1	74.4	19	-	-	8.854526
16	2	86.3	18	1037.0	-	9.506420

Table 114 - Long Sequence Waveform Trial#24 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
17	3	84.3	6	1158.0	1081.0	10.128901
18	2	98.0	9	1217.0	-	10.679963
19	2	57.0	15	1757.0	-	11.396878
20	2	90.2	9	1395.0	-	11.959505

Table 115 - Long Sequence Waveform Trial#25 (NOT Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	90.8	11	-	-	0.655894
2	3	57.7	9	1210.0	1955.0	1.981582
3	2	54.0	7	1849.0	-	2.222845
4	2	50.1	6	1391.0	-	3.643123
5	3	69.1	16	1307.0	1504.0	5.210750
6	3	80.5	15	1165.0	1409.0	5.523497
7	1	99.6	5	-	-	7.398510
8	2	90.2	11	1631.0	-	8.373204
9	1	50.6	15	-	-	9.762518
10	3	84.7	15	1269.0	1598.0	9.943715
11	1	56.1	7	-	-	11.582482

Table 116 - Long Sequence Waveform Trial#26 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	50.7	12	1331.0	-	0.226402
2	2	70.2	9	1228.0	-	2.535814
3	1	84.8	12	-	-	3.830947
4	2	68.9	5	1834.0	-	4.805394
5	2	84.7	10	1031.0	-	5.834607
6	3	77.3	14	1896.0	1604.0	7.062616
7	1	92.0	7	-	-	9.142496
8	2	80.4	19	1894.0	-	10.339457
9	2	72.2	19	1566.0	-	11.201682

Table 117 - Long Sequence Waveform Trial#27 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	63.7	15	1927.0	-	0.549369
2	2	84.2	11	1000.0	-	1.948486
3	1	90.4	10	-	-	3.395390
4	2	81.6	18	1219.0	-	4.006514
5	2	62.3	14	1735.0	-	5.025615
6	3	50.9	17	1448.0	1337.0	6.549276
7	3	95.5	12	1100.0	1715.0	8.241126
8	3	56.5	16	1280.0	1909.0	8.839413
9	2	85.0	17	1913.0	-	10.567958
10	2	62.5	19	1389.0	-	11.888436

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	72.6	15	1069.0	-	1.076991
2	2	54.7	12	1963.0	-	1.717014
3	2	83.2	5	1729.0	-	2.267371
4	3	61.8	16	1086.0	1506.0	4.279560
5	1	61.4	17	-	-	4.753350
6	3	96.1	20	1692.0	1540.0	6.102389
7	2	76.6	10	1322.0	-	7.025923
8	3	68.8	15	1089.0	1823.0	7.666829
9	2	74.4	7	1012.0	-	8.859570
10	1	56.8	19	-	-	10.827310
11	2	84.9	8	1372.0	-	11.645893

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	62.1	18	1662.0	-	0.324047
2	1	89.9	14	-	-	0.862707
3	2	76.7	18	1434.0	-	1.726562
4	2	68.1	12	1861.0	-	1.978388
5	2	63.1	10	1935.0	-	2.625714
6	1	99.3	10	-	-	3.393303
7	2	72.6	19	1471.0	-	3.609655
8	1	99.9	7	-	-	4.219481
9	1	75.9	16	-	-	5.390798
10	2	74.5	9	1745.0	-	5.910503
11	3	68.3	16	1803.0	1287.0	6.149725
12	3	75.4	9	1449.0	1272.0	7.169816
13	3	51.9	18	1317.0	1089.0	7.432215
14	1	84.7	13	-	-	7.972795
15	1	85.1	7	-	-	8.586121
16	1	84.1	15	-	-	9.532730
17	1	56.7	13	-	-	10.076596
18	3	86.3	19	1459.0	1462.0	10.305111
19	2	53.1	11	1868.0	-	10.932181
20	3	60.5	8	1173.0	1876.0	11.911761

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	86.1	12	1522.0	-	0.359730
2	1	65.1	16	-	-	1.154398
3	2	67.1	17	1822.0	-	2.185505
4	1	69.7	11	-	-	2.675678
5	2	86.4	9	1248.0	-	3.257453
6	3	84.2	8	1515.0	1844.0	4.583293
7	3	80.0	15	1765.0	1280.0	4.910508
8	2	95.1	9	1043.0	-	5.651428
9	3	98.4	6	1568.0	1096.0	6.755916
10	1	88.9	5	-	-	7.829791

Table 120 - Long Sequence Waveform Trial#30 (Detected) 802.11ac 40MHz (XR630)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
11	1	51.4	7	-	-	8.135265
12	1	56.7	9	-	-	9.173809
13	2	95.0	15	1342.0	-	10.221947
14	2	50.3	17	1630.0	-	10.580848
15	2	76.5	13	1717.0	-	11.993354

Appendix C Test Data Tables and Plots for Channel Closing

All channel close/move and non-occupancy plots were performed by monitoring the control channel within the 80MHz transmission. This was determined by stopping traffic to observe the control transmissions.

FCC PART 15 SUBPART E Channel Closing Measurements

Table 121 - FCC Part 15 Subpart E Channel Closing Test Results					
Waveform Type	Channel Closing Transmission Time ¹		Channel Move Time		Result
	Measured	Limit	Measured	Limit	
Radar Type 1	0 ms	60 ms	0.2 s	10 s	Pass
Radar Type 5	0 ms	60 ms	0.0 s	10 s	Pass

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

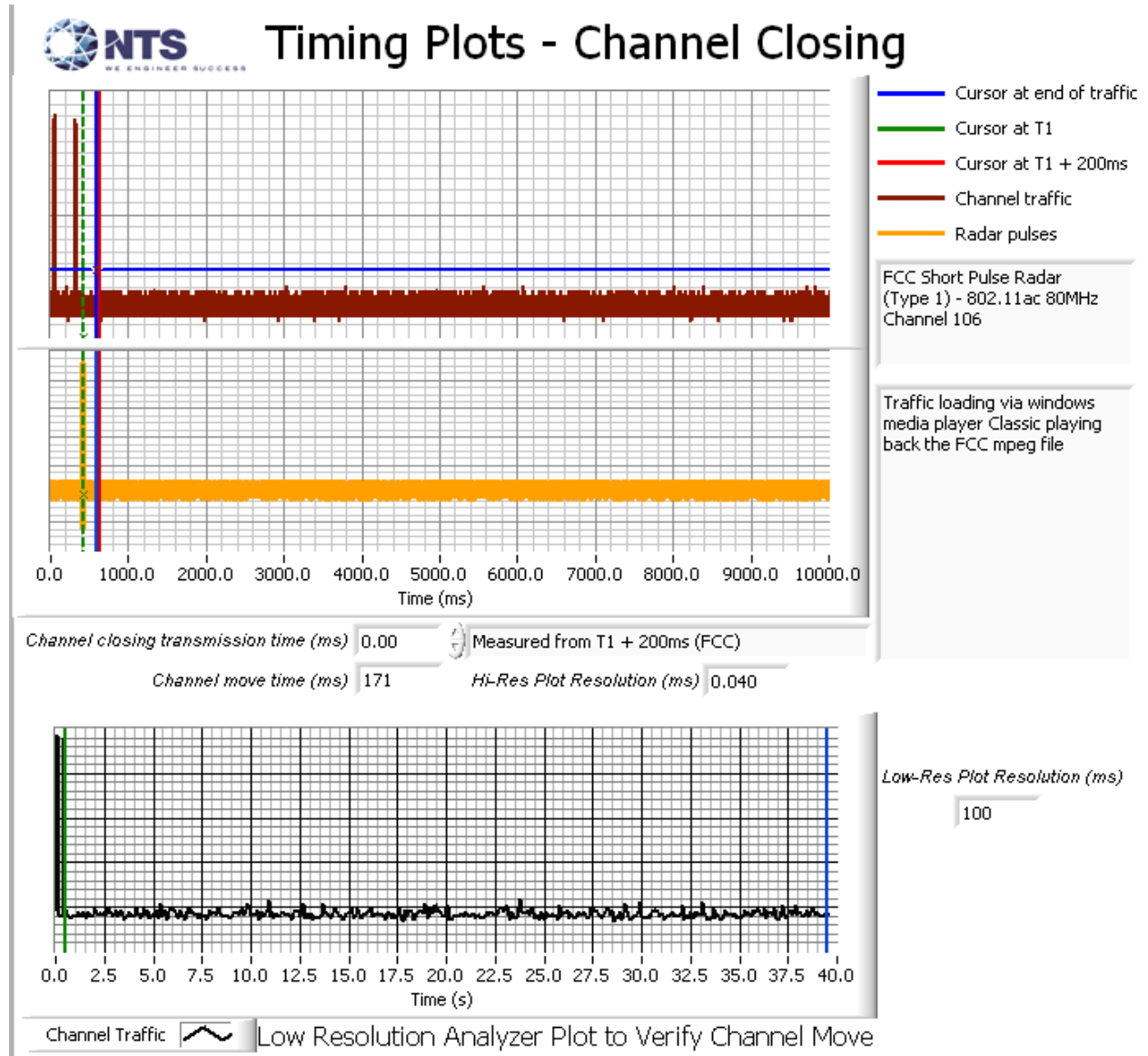


Figure 9 Channel Closing Time and Channel Move Time (ac80 mode) – 40 second plot

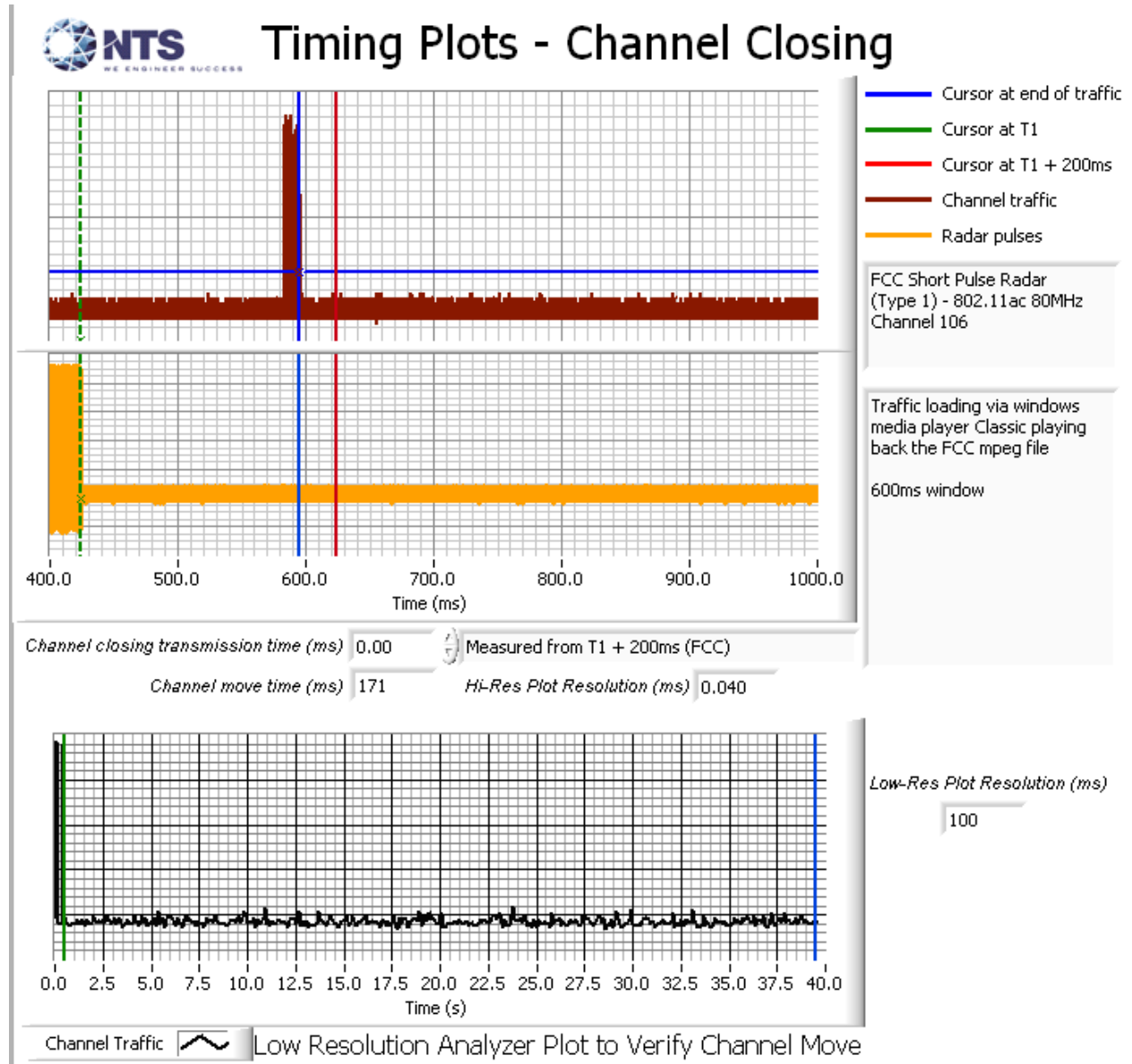


Figure 10 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar (ac80 mode)

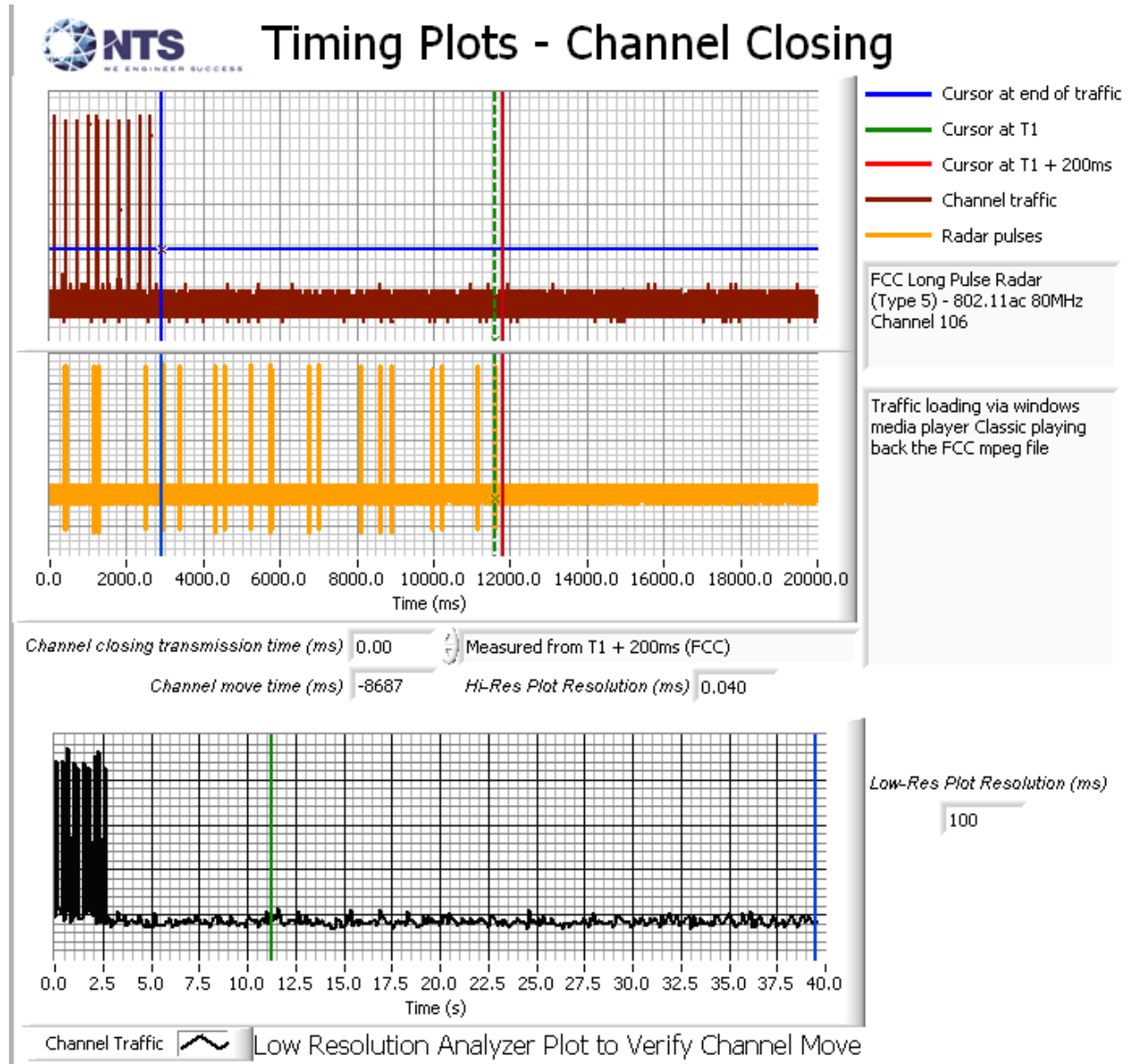


Figure 11 Channel Closing Time and Channel Move Time (ac80 mode) – 40 second plot

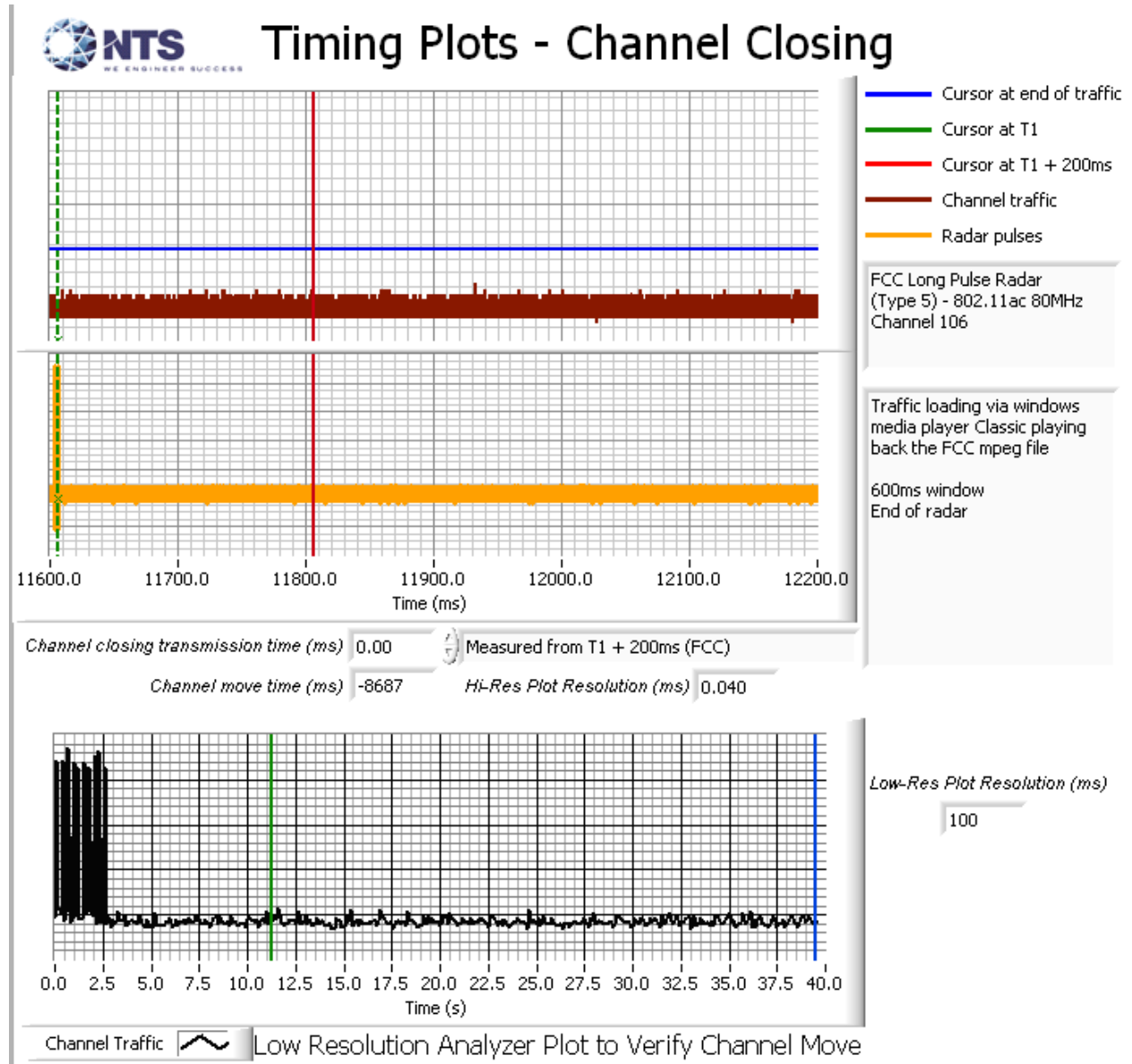


Figure 12 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar (ac80 mode)

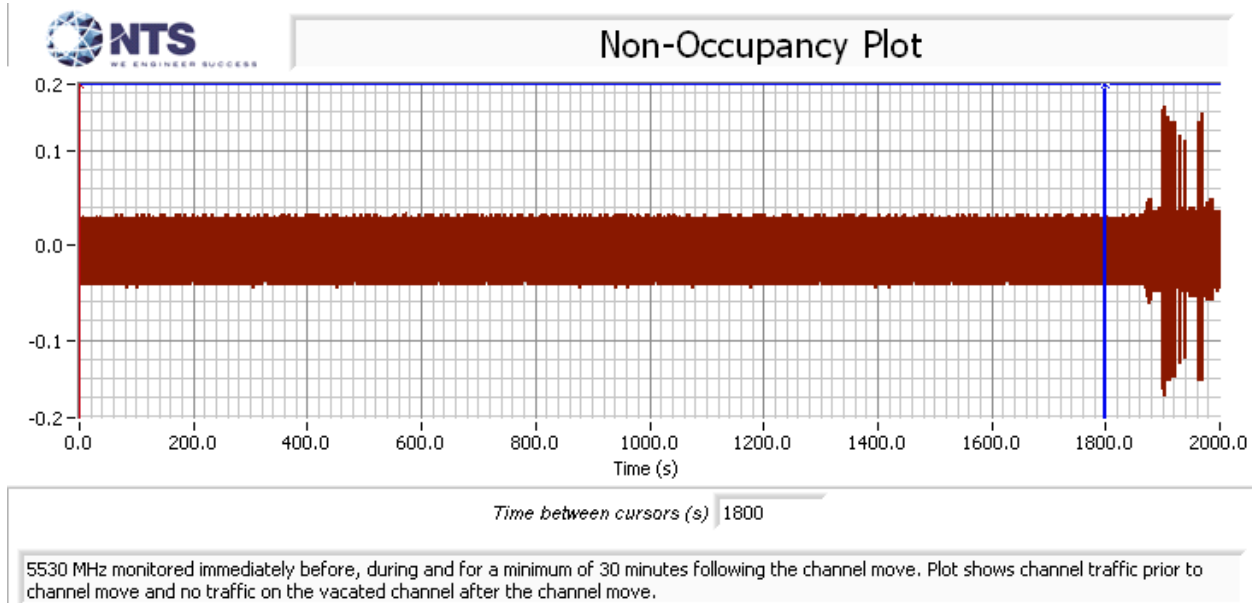


Figure 13 Radar Channel Non-Occupancy Plot (ac80 mode)

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

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

Appendix D Test Data – Channel Availability Check

All Channel Availability Check plots were performed by monitoring the control channel within the 80MHz transmission. This was determined by stopping traffic to observe the control transmissions.

5250- 5350 MHz, 5470 – 5725 MHz

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

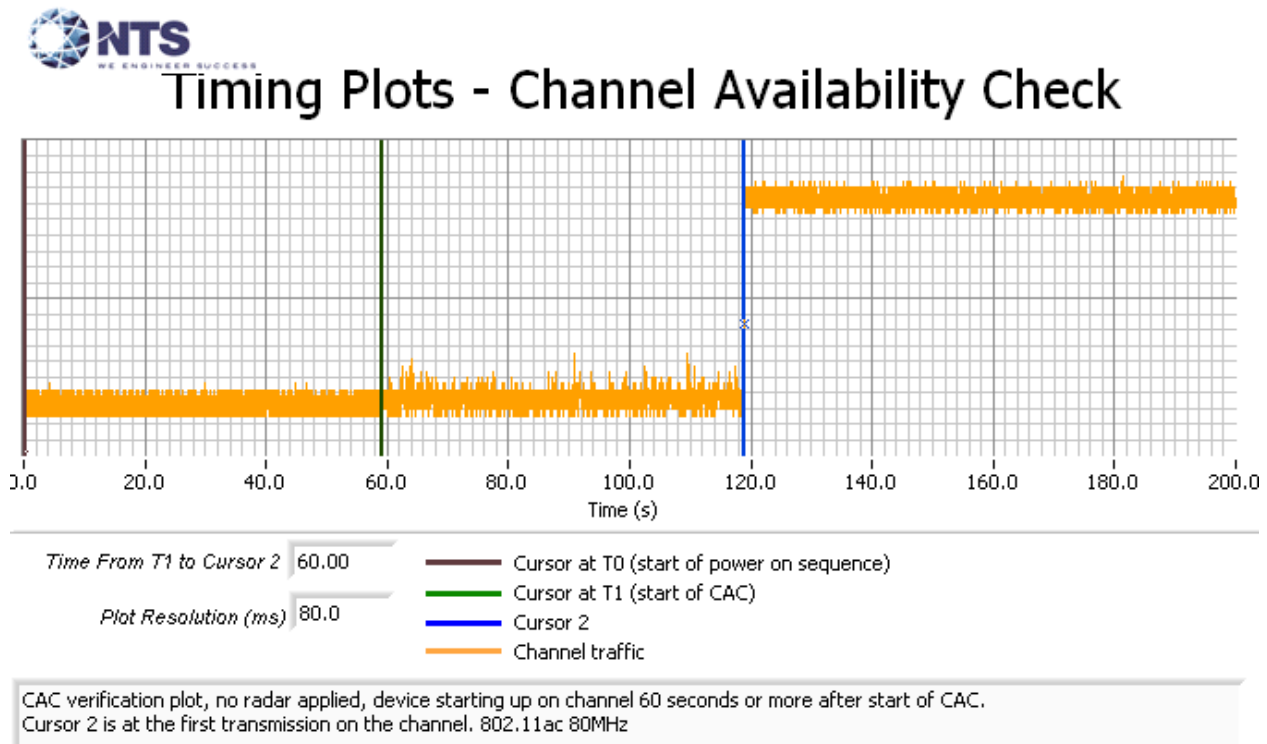


Figure 14 Plot of EUT Start-Up After CAC

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

The level of the radar signal applied was -64dBm. Measurements were made on channel 106 (5530 MHz).

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

The plots show that there were no transmissions on the channel after the radar burst was applied during the CAC, and confirm that the CAC is at least 60 seconds. The description of “Channel

Traffic” in the plot legend indicates the transmissions from both the radar system and the EUT on the start-up channel. In all cases only the radar burst is observed. The resolution of the plot is not fine enough to resolve the individual pulses within the burst.

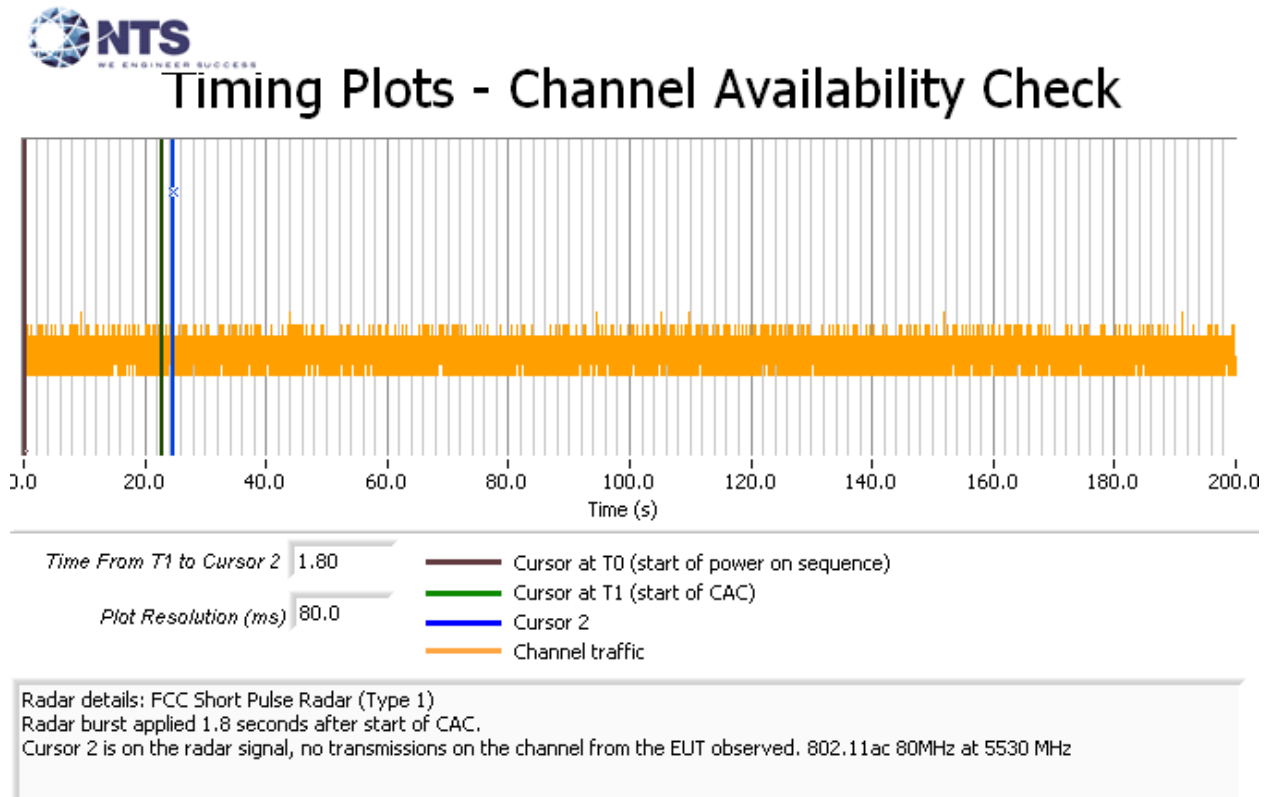


Figure 15 Radar Applied At Start of CAC



Timing Plots - Channel Availability Check

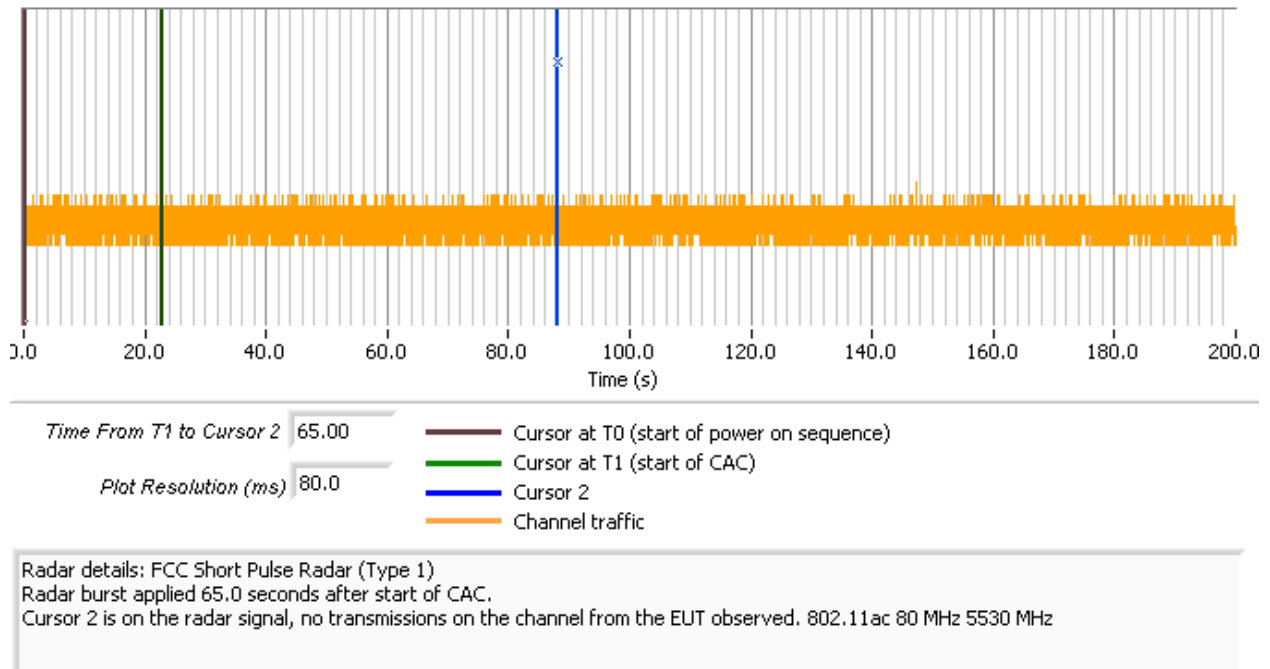


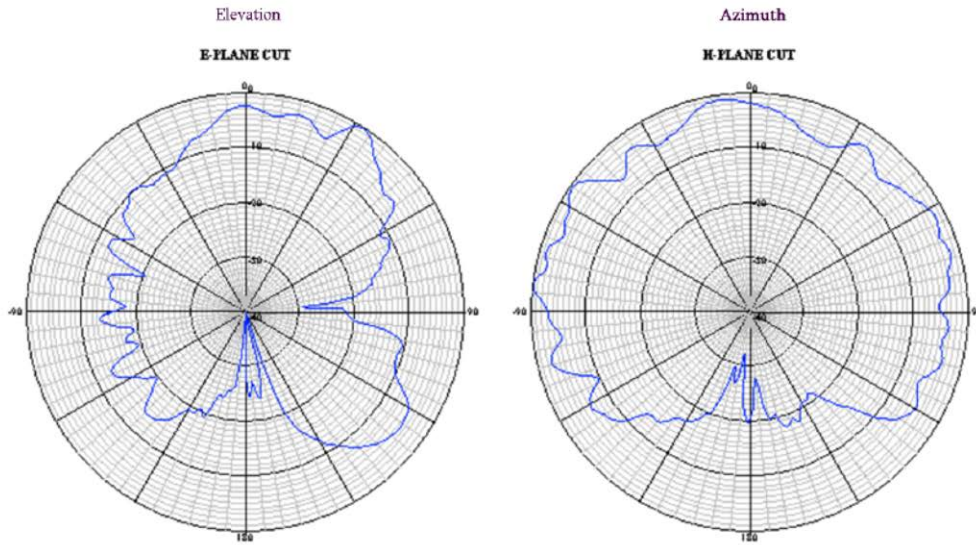
Figure 16 Radar Applied At End of CAC

Appendix E Test Data –Antenna Specification



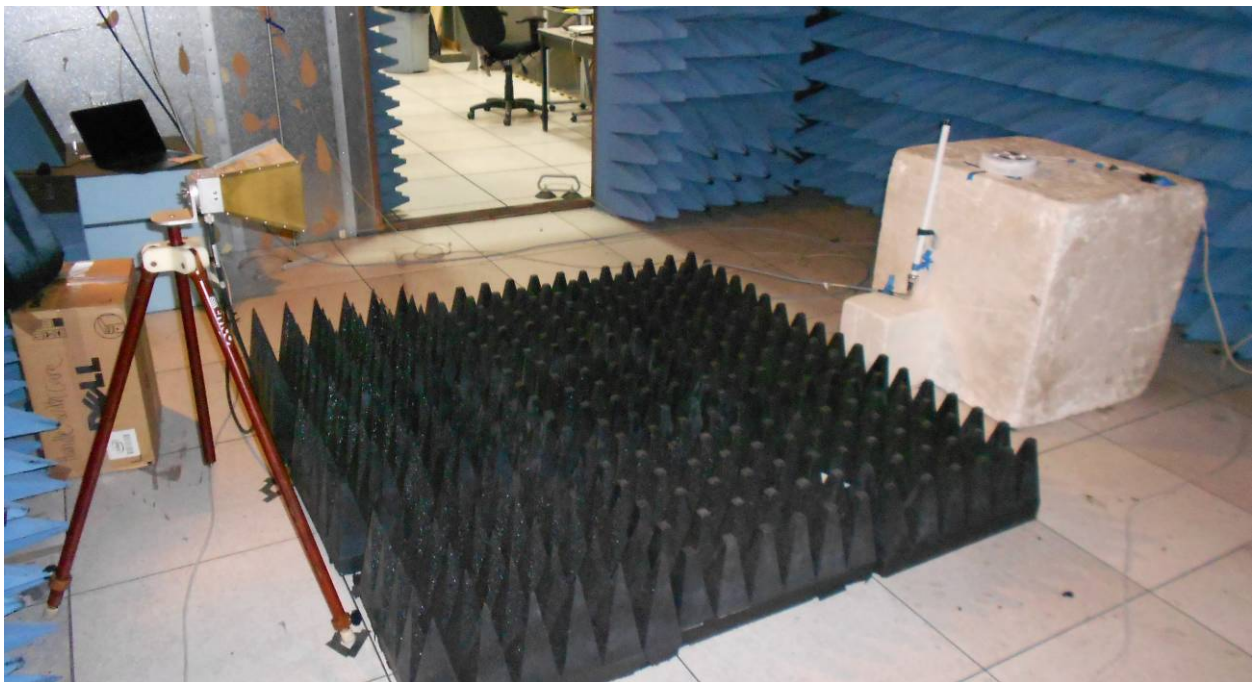
XR 620/630 ANTENNA ELEMENT

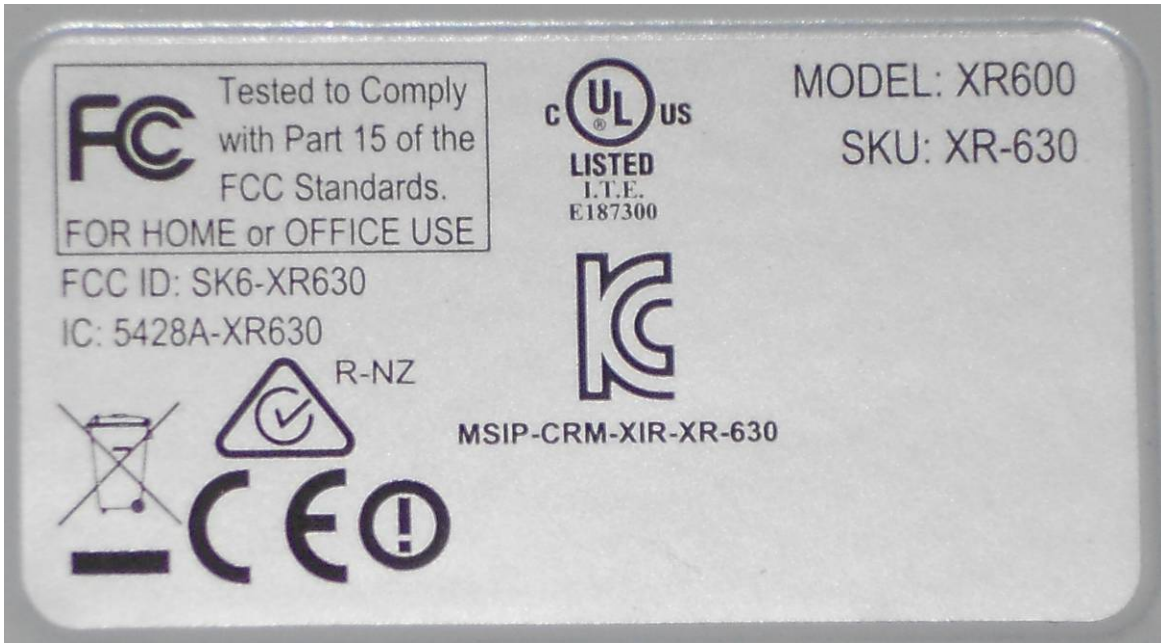
Far-Field Patterns
Frequency: 5.5000



SPECIFICATIONS	2.4 Ghz band			5 Ghz band			
Frequency	2.4- 2.48 Ghz			5.15- 5.825 Ghz			
VSWR	2.0:1 typ.						
3dB beamwidth							
Azimuth	60 ° typ.						
Elevation	120° typ.						
Gain (peak)							
	2.4	2.44	2.48 Ghz	5.15	5.35	5.50	5.825 Ghz
	2.7	3.5	1.9 dBi	4.5	5.7	5.8	5.6 dBi
Impedance	50 ohms						
Input power	10 W CW						

Appendix F Test Configuration Photographs







End of Report

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