TEST REPORT
Covering the
DYNAMIC FREQUENCY SELECTION (DFS)
REQUIREMENTS
OF
FCC Part 15 Subpart E (UNII)
Xirrus, Inc.
Model(s): XN16, XN8 and XN12

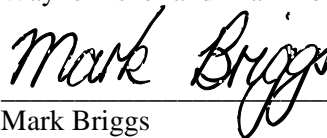|	
FCC ID(s):	SK6XN8, SK6XN12, SK6XN16
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2016-01

REVISION HISTORY

Rev #	Date	Comments	Modified By
1.0	September 9, 2008	Initial Release	-
2.0	November 13, 2008	Removed duplicate notes from beneath Table 5. Added aggregate percentages of the detection probabilities for types 1 through 4 in Table 9, Table 10 and Table 11	Mark Briggs

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SCOPE

The Federal Communications Commission and the European Telecommunications Standards Institute (ETSI) publish standards regarding ElectroMagnetic Compatibility and Radio spectrum Matters for radio-communications devices. Tests have been performed on the Xirrus, Inc. models XN16 and XN8 in accordance with these standards.

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

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

The test results recorded herein are based on a single type test of the Xirrus, Inc. models XN16, XN8 and XN12 and therefore apply only to the tested sample. The sample was selected and prepared by Steve Smith of Xirrus, Inc. Results from testing two of the variants are considered to cover all three variants (XN8, XN16 and XN12) in the series.

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 samples of Xirrus, Inc. models XN16 and XN8 complied with the DFS requirements of:

FCC Part 15.407(h)(2)

Results from testing two of the variants are considered to cover all three variants (XN8, XN16 and XN12) in the series.

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

DEVIATIONS FROM THE STANDARD

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

EQUIPMENT UNDER TEST (EUT) DETAILS

GENERAL

The Xirrus, Inc. models XN16, XN8 and XN12 are multi-radio 802.11abgn Access Points which are designed to act as a hub for a wireless local area network (WLAN). The electrical rating of the device is 100/240Vac, 50/60Hz, and 0.5-3A. They can be powered via an internal AC-DC adapter or via a PoE interface and dedicated PoE adapter (also sold with the device).

The model XN16 contains 16 separate transceivers. The radio interfaces are provided via four identical circuit boards. Each of the boards has one 802.11bgn radio and three 802.11an radios. Each radio connects to an internal antenna with a gain of 3dBi for the 802.11bgn radio and 6dBi for the 802.11an radio. Three radio boards can connect to an external antenna via a reverse polarity TNC coaxial connector. The external antenna offered for use is a ceiling mount antenna, model CM2-2400/5500, with a nominal gain of 2.5dBi for all bands and is used to support single-chain legacy modes. The internal antennas support single-chain legacy modes and 3x3 MIMO modes for 2.4GHz, 2x2 MIMO for 5GHz.

The XN8 and XN12 are both identical to the XN16 except that the rf board is depopulated.

1. In the XN8 there are only two transceivers on each radio board, one that can operate as abgn in both 2.4GHz and 5GHz bands and the other that can operate only in the 5GHz bands as an 802.11an radio. The XN8 has a total of 8 transceivers.

2. In the XN12 there are only three transceivers on each radio board, one that can operate as a bgn radio in the 2.4GHz band, the other two operate in the 5GHz bands as an 802.11an radio. The XN12 has a total of 12 transceivers.

The samples were received on May 28, 2008 and tested on July 28, 29, 30, 31, and August 1, 4, 2008. The EUT consisted of the following component(s):

Manufacturer	Model	Description	Serial Number
Xirrus	XN16	802.11abgn access point	Prototype
Xirrus	XN8	802.11abgn access point	Prototype

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

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

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi)	2.5	2.5
Highest Antenna Gain (dBi)	6	6
Output Power (dBm)	20	20

Note, 6dBi antenna is the internal antenna. The 2.5dBi antenna is the external antenna which only supports legacy modes of operation.

⊠   Power can exceed 200mW eirp

Channel Protocol

⊠   IP Based

ENCLOSURE

The enclosures for the XN16, XN12 and XN8 are identical. The enclosure is primarily constructed of plastic. It is circular with a diameter of 48 cm and a height of 10cm.

MODIFICATIONS

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

SUPPORT EQUIPMENT

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

Manufacturer	Model	Description	Serial Number	FCC ID
IBM	*T60*	*Laptop*	*L3-CR350*	*DoC*
IBM	R51	Laptop	99-V4543	DoC

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)
Ethernet 1	Laptop Ethernet	Cat 5	Unshielded	10.0
Console	USB Serial Adapter on Laptop	Cat 5	Unshielded	5.0
AC Power	EUT AC power	3 wire	Unshielded	1.5

EUT OPERATION

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

Master Device: XS-4.0-mad141.bin

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.

For the 20MHz channel bandwidth the start of the Channel Availability Check was the instant the command to change channel was sent. For the 40MHz channel bandwidth the start of the Channel Availability Check was 106 seconds after power up.

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.

The model XN16 was fully evaluated against all requirements in both 40 MHz and 20MHz modes. In 20MHz mode the lower gain, external antenna was used. . In 40MHz mode the internal antennas were used, as the lower gain external antenna does not support the n-modes of operation.

Detection threshold and detection probability measurements were made on the XN8 in 20MHz mode using the external antenna (antenna with lowest gain) to confirm that depopulating the radio board had no adverse affect on the detection threshold and probability. As the XN8 results were very similar to those for the XN16 the XN12 version was not tested and the results from the tests on the XN16 and XN8 are proposed as being adequate to cover all three versions.

RADAR WAVEFORMS

Table 1 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 2 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 3 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

TEST RESULTS SUMMARY

Table 4 FCC Part 15 Subpart E Master Device Test Result Summary XN16 40MHz BW mode						
Description	Radar Type	Radar Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5590MHz	64s	≥ 60s	Appendix E	Pass
CAC Detection Threshold	Type 1	5590MHz	-64dBm	-64dBm (See note 2)	Appendix E	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5310MHz	-64 dBm (note 2)	-64dBm (See note 2)	Appendix C	Pass
Bandwidth Detection	Type 1	-	±21 MHz (42MHz)	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5550MHz	0.30ms	≤ 260ms	Appendix D	Pass
Channel move time	Type 1 Type 5	5550MHz	272ms	≤ 10s	Appendix D	Pass
Non-occupancy period	-	5520MHz	30+ minutes	> 30 minutes	Appendix D	Pass
Uniform Loading	-	-	Uniform Loading	Refer to operational description	Complies
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 2.5 dBi. The limit is based on an eirp of more than 23 dBm. 3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5250 – 5350 MHz and 5500-5700 MHz band.						

Table 5 FCC Part 15 Subpart E Client Device Test Result Summary XN16 20MHz BW mode						
Description	Radar Type	Radar Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	5500	64.4	≥ 60s	Appendix E	Pass
CAC Detection Threshold	Type 1	5500	-64dBm	-64dBm (See note 2)	Appendix E	Pass
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5320MHz	-64 dBm (note 2)	-64dBm (See note 2)	Appendix C	Pass
Bandwidth Detection	Type 1	-	±11 MHz (22 MHz)	80% of the 99% BW	-	Pass
Channel closing transmission time	Type 1 Type 5	5600	0.54ms	≤ 260ms	Appendix D	Pass
Channel move time	Type 1 Type 5	5600	206ms	≤ 10s	Appendix D	Pass
Non-occupancy period	-	5600	30+ minutes	> 30 minutes	Appendix D	Pass
Uniform Loading	-	-	-	Uniform Loading	Refer to operational description	Complies

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 2.5 dBi. The limit is based on an eirp of more than 23 dBm.
3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5250 – 5350 MHz and 5500-5700 MHz band.

Table 6 FCC Part 15 Subpart E Master Device Test Result Summary XN8 20MHz Bandwidth Mode						
Description	Radar Type	Radar Frequency	Measured Value	Requirement	Test Data	Status
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5320MHz	-64 dBm (note 3)	-64dBm (See note 3)	Appendix C	Pass

1) Only in service monitoring tested due to similarity of XN8 to XN16, with the worst case (lowest gain) external antenna using 20MHz channel bandwidth.
2) Tests were performed using the radiated test method.
3) 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 2.5 dBi. The limit is based on an eirp of more than 23 dBm.
4) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5250 – 5350 MHz band.

MEASUREMENT UNCERTAINTIES

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

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

DFS TEST METHODS

RADIATED TEST METHOD

The combination of master and slave devices is located in an anechoic chamber. The simulated radar waveform is transmitted from a directional horn antenna (typically an EMCO 3115) toward the unit performing the radar detection (radar detection device, RDD). Every effort is made to ensure that the main beam of the EUT's antenna is aligned with the radar-generating antenna.
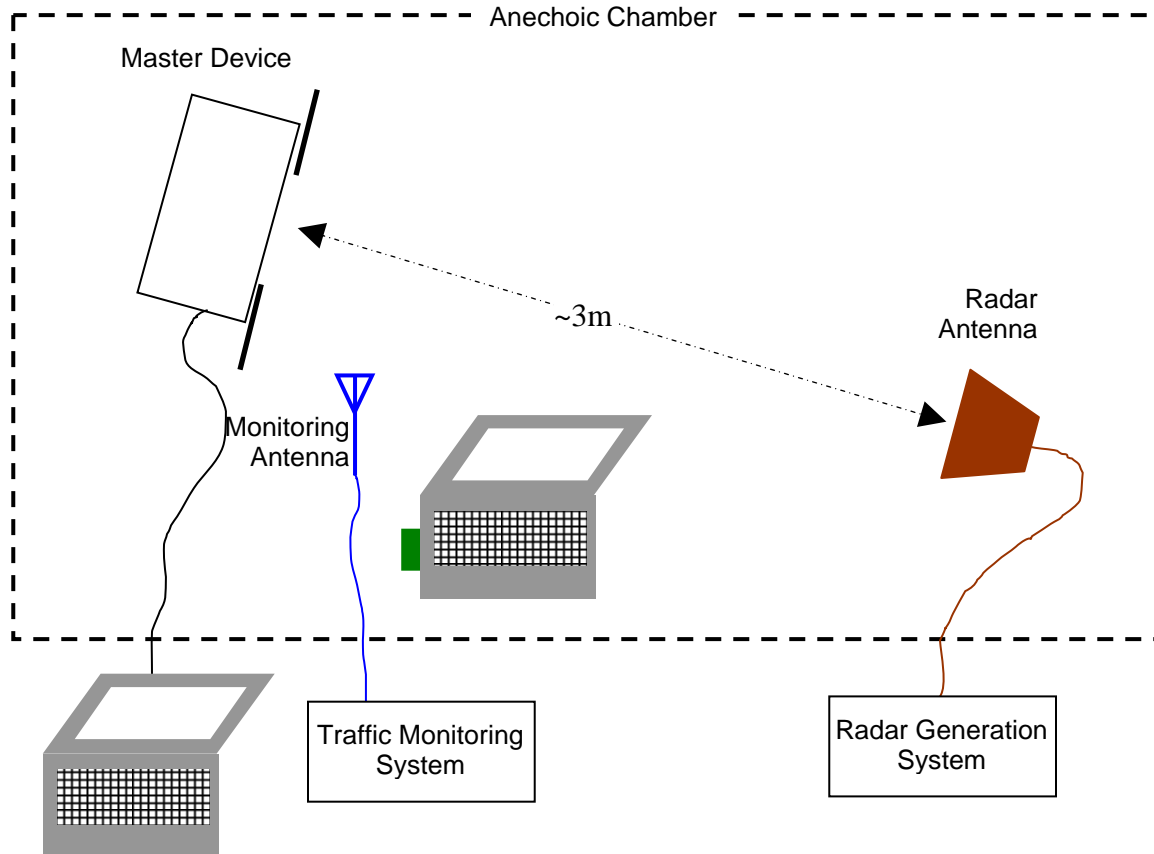
Figure 1 Test Configuration for radiated Measurement Method

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

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

Applied level (dBm) = R – GREF + L

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

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

DFS MEASUREMENT INSTRUMENTATION

RADAR GENERATION SYSTEM

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

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

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

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

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

CHANNEL MONITORING SYSTEM

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

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

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

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

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

DFS MEASUREMENT METHODS

DFS RADAR DETECTION BANDWIDTH

The radar detection bandwidth is determined by using 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 – the total time of all individual transmissions from the EUT that are observed starting 200ms at the end of the last radar pulse in the waveform. This value is required to be less than 60ms.

ETSI[1] – the total time of all individual transmissions from the EUT that are observed from the end of the last radar pulse in the waveform. This value is required to be less than 260ms.

DFS – CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING

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

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[1] This measurement method is used for MIC Table No. 45.

DFS CHANNEL AVAILABILITY CHECK TIME

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

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

UNIFORM LOADING

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

TRANSMIT POWER CONTROL (TPC)

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

SAMPLE CALCULATIONS

DETECTION PROBABILITY / SUCCESS RATE

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

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

THRESHOLD LEVEL

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

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

Appendix A Test Equipment Calibration Data

Manufacturer	Description	Model #	Asset #	Cal Due
Hewlett Packard	EMC Analyzer	8595EM	787	19-Feb-09
Tektronix	Oscilloscope	TDS 5104	1435	4-Apr-09
Agilent	PSG Vector Signal Generator	E8267C	1877	15-Feb-10
EMCO	1-18GHz Horn Antenna	3115	1561	10-Jun-10

Appendix B Test Data Tables for Radar Detection Probability

Table 7 - XN-16 40MHz BW Detection Bandwidth Measurements (Bandwidth: -21MHz /+21MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5288.00 MHz	0	3	0
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5289.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5290.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5291.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5292.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5293.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5294.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5295.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5296.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5297.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5298.00 MHz	9	1	90
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5299.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5300.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5301.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5302.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5303.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5304.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5305.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5306.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5307.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5308.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5309.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5310.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5311.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5312.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5313.00 MHz	10	0	100

Table 7 - XN-16 40MHz BW Detection Bandwidth Measurements (Bandwidth: -21MHz /+21MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5314.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5315.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5316.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5317.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5318.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5319.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5320.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5321.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5322.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5323.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5324.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5325.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5326.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5327.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5328.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5329.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5330.00 MHz	10	0	100
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5331.00 MHz	9	1	90
5310.00 MHz	FCC Short Pulse Radar (Type 1)	5332.00 MHz	0	3	0

Table 8 - XN-16 20MHz BW Detection Bandwidth Measurements (Bandwidth: -11MHz /+11MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5308.00 MHz	2	3	40
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5309.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5310.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5311.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5312.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5313.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5314.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5315.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5316.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5317.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5318.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5319.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5320.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5321.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5322.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5323.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5324.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5325.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5326.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5327.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5328.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5329.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5330.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5331.00 MHz	10	0	100
5320.00 MHz	FCC Short Pulse Radar (Type 1)	5332.00 MHz	1	3	25

Appendix C Test Data Tables for Radar Detection Probability

Table 9 - Summary of All Results - XN-16 40MHz BW		
Waveform Name	Success Rate	Number of Trials
FCC Short Pulse Radar (Type 1)	100.0 %	30
FCC Short Pulse Radar (Type 2)	73.3 %	30
FCC Short Pulse Radar (Type 3)	100.0 %	30
FCC Short Pulse Radar (Type 4)	90.0 %	30
Aggregate for Types 1 – 4:	94.0%	-
FCC frequency hopping radar (Type 6)	95.2 %	42
Long Sequence	83.9 %	31

Table 10 - Summary of All Results - XN-16 20MHz BW		
Waveform Name	Success Rate	Number of Trials
FCC Short Pulse Radar (Type 1)	96.7 %	30
FCC Short Pulse Radar (Type 2)	77.4 %	31
FCC Short Pulse Radar (Type 3)	86.7 %	30
FCC Short Pulse Radar (Type 4)	66.7 %	30
Aggregate for Types 1 – 4:	81.9%	-
FCC frequency hopping radar (Type 6)	83.3 %	30
Long Sequence	100.0 %	30

Table 11 - Summary of All Results - XN-8 20MHz BW		
Waveform Name	Success Rate	Number of Trials
FCC Short Pulse Radar (Type 1)	96.7 %	30
FCC Short Pulse Radar (Type 2)	80.0 %	30
FCC Short Pulse Radar (Type 3)	93.3 %	30
FCC Short Pulse Radar (Type 4)	80.0 %	30
Aggregate for Types 1 – 4:	87.5%	
FCC frequency hopping radar (Type 6)	82.6 %	46
Long Sequence	100.0 %	30

Table 12 - FCC Short Pulse Radar (Type 1) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
1	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
2	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
3	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
4	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
5	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
6	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
7	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
8	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
9	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
10	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
11	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
12	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
13	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
14	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
15	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
16	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
17	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
18	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
19	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
20	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
21	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
22	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
23	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
24	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A

Table 12 - FCC Short Pulse Radar (Type 1) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
25	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
26	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
27	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
28	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A
29	18	1.0	1428.0	Yes	5310.0MHz, -64.0dBm	N/A

Table 13 - FCC Short Pulse Radar (Type 2) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	26	1.8	199.0	No	5310.0MHz, -64.0dBm	N/A
1	28	1.5	198.0	No	5310.0MHz, -64.0dBm	N/A
2	25	4.3	192.0	Yes	5310.0MHz, -64.0dBm	N/A
3	26	3.6	158.0	Yes	5310.0MHz, -64.0dBm	N/A
4	28	4.7	228.0	Yes	5310.0MHz, -64.0dBm	N/A
5	28	2.5	173.0	Yes	5310.0MHz, -64.0dBm	N/A
6	24	3.3	191.0	Yes	5310.0MHz, -64.0dBm	N/A
7	29	2.0	208.0	Yes	5310.0MHz, -64.0dBm	N/A
8	28	4.6	161.0	Yes	5310.0MHz, -64.0dBm	N/A
9	24	2.6	221.0	No	5310.0MHz, -64.0dBm	N/A
10	29	4.6	204.0	Yes	5310.0MHz, -64.0dBm	N/A
11	24	3.7	201.0	Yes	5310.0MHz, -64.0dBm	N/A
12	26	4.1	170.0	Yes	5310.0MHz, -64.0dBm	N/A
13	26	1.0	197.0	No	5310.0MHz, -64.0dBm	N/A
14	28	5.0	161.0	Yes	5310.0MHz, -64.0dBm	N/A
15	26	2.7	211.0	No	5310.0MHz, -64.0dBm	N/A
16	29	3.4	157.0	Yes	5310.0MHz, -64.0dBm	N/A
17	26	4.2	158.0	No	5310.0MHz, -64.0dBm	N/A

Table 13 - FCC Short Pulse Radar (Type 2) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
18	24	3.7	210.0	Yes	5310.0MHz, -64.0dBm	N/A
19	26	4.3	183.0	Yes	5310.0MHz, -64.0dBm	N/A
20	29	2.6	165.0	No	5310.0MHz, -64.0dBm	N/A
21	27	1.8	151.0	Yes	5310.0MHz, -64.0dBm	N/A
22	28	1.4	198.0	Yes	5310.0MHz, -64.0dBm	N/A
23	26	4.1	151.0	Yes	5310.0MHz, -64.0dBm	N/A
24	27	3.7	198.0	Yes	5310.0MHz, -64.0dBm	N/A
25	27	4.0	175.0	Yes	5310.0MHz, -64.0dBm	N/A
26	27	4.1	159.0	Yes	5310.0MHz, -64.0dBm	N/A
27	25	4.3	171.0	Yes	5310.0MHz, -64.0dBm	N/A
28	25	2.0	195.0	No	5310.0MHz, -64.0dBm	N/A
29	23	3.5	193.0	Yes	5310.0MHz, -64.0dBm	N/A

Table 14 - FCC Short Pulse Radar (Type 3) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	18	9.5	322.0	Yes	5310.0MHz, -64.0dBm	N/A
1	16	6.1	483.0	Yes	5310.0MHz, -64.0dBm	N/A
2	16	9.9	414.0	Yes	5310.0MHz, -64.0dBm	N/A
3	17	6.3	327.0	Yes	5310.0MHz, -64.0dBm	N/A
4	18	7.2	255.0	Yes	5310.0MHz, -64.0dBm	N/A
5	17	7.0	496.0	Yes	5310.0MHz, -64.0dBm	N/A
6	18	8.8	482.0	Yes	5310.0MHz, -64.0dBm	N/A
7	18	7.4	239.0	Yes	5310.0MHz, -64.0dBm	N/A
8	16	8.8	249.0	Yes	5310.0MHz, -64.0dBm	N/A
9	17	6.5	208.0	Yes	5310.0MHz, -64.0dBm	N/A
10	18	6.0	211.0	Yes	5310.0MHz, -64.0dBm	N/A

Table 14 - FCC Short Pulse Radar (Type 3) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
11	17	6.4	274.0	Yes	5310.0MHz, -64.0dBm	N/A
12	17	9.7	495.0	Yes	5310.0MHz, -64.0dBm	N/A
13	17	7.0	462.0	Yes	5310.0MHz, -64.0dBm	N/A
14	18	8.1	332.0	Yes	5310.0MHz, -64.0dBm	N/A
15	16	6.3	330.0	Yes	5310.0MHz, -64.0dBm	N/A
16	17	9.1	470.0	Yes	5310.0MHz, -64.0dBm	N/A
17	18	6.6	390.0	Yes	5310.0MHz, -64.0dBm	N/A
18	17	6.2	408.0	Yes	5310.0MHz, -64.0dBm	N/A
19	17	6.1	372.0	Yes	5310.0MHz, -64.0dBm	N/A
20	18	6.4	251.0	Yes	5310.0MHz, -64.0dBm	N/A
21	17	9.1	351.0	Yes	5310.0MHz, -64.0dBm	N/A
22	17	9.5	496.0	Yes	5310.0MHz, -64.0dBm	N/A
23	17	8.0	333.0	Yes	5310.0MHz, -64.0dBm	N/A
24	17	8.9	462.0	Yes	5310.0MHz, -64.0dBm	N/A
25	17	7.0	292.0	Yes	5310.0MHz, -64.0dBm	N/A
26	17	8.4	323.0	Yes	5310.0MHz, -64.0dBm	N/A
27	17	7.3	491.0	Yes	5310.0MHz, -64.0dBm	N/A
28	16	8.9	420.0	Yes	5310.0MHz, -64.0dBm	N/A
29	16	10.0	318.0	Yes	5310.0MHz, -64.0dBm	N/A

Table 15 - FCC Short Pulse Radar (Type 4) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	14	11.5	478.0	Yes	5310.0MHz, -64.0dBm	N/A
1	16	14.0	424.0	Yes	5310.0MHz, -64.0dBm	N/A
2	14	13.7	223.0	Yes	5310.0MHz, -64.0dBm	N/A
3	12	17.0	469.0	Yes	5310.0MHz, -64.0dBm	N/A

Table 15 - FCC Short Pulse Radar (Type 4) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
4	16	11.5	381.0	Yes	5310.0MHz, -64.0dBm	N/A
5	13	19.5	327.0	No	5310.0MHz, -64.0dBm	N/A
6	14	18.0	323.0	Yes	5310.0MHz, -64.0dBm	N/A
7	13	16.5	364.0	No	5310.0MHz, -64.0dBm	N/A
8	13	17.0	284.0	Yes	5310.0MHz, -64.0dBm	N/A
9	15	13.9	350.0	Yes	5310.0MHz, -64.0dBm	N/A
10	14	12.1	263.0	Yes	5310.0MHz, -64.0dBm	N/A
11	14	12.1	406.0	Yes	5310.0MHz, -64.0dBm	N/A
12	12	15.3	327.0	Yes	5310.0MHz, -64.0dBm	N/A
13	13	19.2	307.0	Yes	5310.0MHz, -64.0dBm	N/A
14	14	13.7	307.0	Yes	5310.0MHz, -64.0dBm	N/A
15	14	19.6	363.0	Yes	5310.0MHz, -64.0dBm	N/A
16	14	17.7	337.0	Yes	5310.0MHz, -64.0dBm	N/A
17	15	16.5	211.0	Yes	5310.0MHz, -64.0dBm	N/A
18	14	11.4	264.0	Yes	5310.0MHz, -64.0dBm	N/A
19	12	17.3	285.0	Yes	5310.0MHz, -64.0dBm	N/A
20	16	12.9	363.0	Yes	5310.0MHz, -64.0dBm	N/A
21	14	12.8	268.0	Yes	5310.0MHz, -64.0dBm	N/A
22	12	12.8	203.0	Yes	5310.0MHz, -64.0dBm	N/A
23	12	18.0	340.0	Yes	5310.0MHz, -64.0dBm	N/A
24	15	19.4	230.0	No	5310.0MHz, -64.0dBm	N/A
25	13	15.3	267.0	Yes	5310.0MHz, -64.0dBm	N/A
26	14	13.0	262.0	Yes	5310.0MHz, -64.0dBm	N/A
27	14	18.8	355.0	Yes	5310.0MHz, -64.0dBm	N/A
28	16	13.2	245.0	Yes	5310.0MHz, -64.0dBm	N/A
29	15	16.0	489.0	Yes	5310.0MHz, -64.0dBm	N/A

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	9	1.0	333.0	No	5289.0MHz, -64.0dBm	5400, 5278, 5545, 5655, 5311, 5591, 5569, 5315, 5499, 5702, 5480, 5345, 5558, 5382, 5705, 5269, 5696, 5641, 5273, 5461, 5373, 5418, 5376, 5279, 5426, 5714, 5272, 5665, 5444, 5251, 5667, 5597, 5596, 5717, 5446, 5511, 5343, 5264, 5680, 5701, 5636, 5335, 5593, 5718, 5413, 5590, 5574, 5388, 5262, 5309, 5492, 5300, 5253, 5274, 5354, 5457, 5359, 5697, 5710, 5445, 5523, 5414, 5332, 5640, 5582, 5506, 5407, 5384, 5383, 5404, 5581, 5266, 5532, 5677, 5712, 5466, 5517, 5396, 5721, 5258, 5436, 5324, 5657, 5681, 5370, 5360, 5527, 5623, 5631, 5690, 5670, 5620, 5651, 5533, 5508, 5650, 5275, 5471, 5369, 5568 (5 hits)
1	9	1.0	333.0	Yes	5290.0MHz, -64.0dBm	5553, 5493, 5348, 5287, 5366, 5635, 5330, 5339, 5563, 5624, 5655, 5681, 5404, 5641, 5342, 5619, 5658, 5371, 5382, 5510, 5642, 5388, 5484, 5449, 5323, 5374, 5463, 5697, 5564, 5508, 5560, 5555, 5707, 5540, 5571, 5264, 5710, 5581, 5679, 5657, 5496, 5337, 5701, 5578, 5416, 5318, 5616, 5604, 5694, 5538, 5322, 5369, 5574, 5357, 5537, 5471, 5521, 5350, 5690, 5530, 5501, 5506, 5587, 5260, 5292, 5465, 5678, 5383, 5331, 5704, 5669, 5353, 5603, 5666, 5405, 5653, 5509, 5698, 5643, 5311, 5629, 5651, 5373, 5476, 5568, 5365, 5459, 5435, 5685, 5662, 5343, 5719, 5622, 5306, 5668, 5547, 5502, 5392, 5625, 5406 (8 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
2	9	1.0	333.0	Yes	5291.0MHz, -64.0dBm	5690, 5363, 5584, 5517, 5299, 5266, 5359, 5654, 5400, 5504, 5422, 5446, 5593, 5663, 5672, 5333, 5297, 5311, 5631, 5393, 5396, 5439, 5608, 5700, 5267, 5365, 5550, 5301, 5417, 5319, 5487, 5510, 5587, 5708, 5664, 5509, 5313, 5425, 5635, 5489, 5416, 5436, 5620, 5604, 5449, 5537, 5514, 5710, 5254, 5696, 5681, 5251, 5457, 5598, 5539, 5557, 5580, 5673, 5574, 5680, 5292, 5480, 5655, 5408, 5288, 5624, 5527, 5336, 5477, 5452, 5358, 5339, 5451, 5350, 5643, 5379, 5512, 5316, 5280, 5564, 5494, 5353, 5409, 5617, 5602, 5613, 5478, 5342, 5518, 5653, 5694, 5594, 5369, 5335, 5388, 5501, 5714, 5645, 5516, 5513 (8 hits)
3	9	1.0	333.0	Yes	5292.0MHz, -64.0dBm	5716, 5433, 5415, 5639, 5627, 5701, 5463, 5262, 5268, 5491, 5390, 5290, 5656, 5610, 5291, 5440, 5339, 5525, 5642, 5325, 5553, 5377, 5450, 5338, 5373, 5369, 5630, 5360, 5557, 5629, 5456, 5454, 5715, 5423, 5558, 5397, 5327, 5501, 5589, 5498, 5539, 5461, 5309, 5719, 5479, 5298, 5714, 5586, 5449, 5710, 5378, 5640, 5615, 5258, 5602, 5317, 5711, 5421, 5717, 5614, 5634, 5252, 5444, 5665, 5382, 5494, 5712, 5289, 5430, 5643, 5667, 5597, 5471, 5596, 5594, 5395, 5495, 5458, 5389, 5598, 5609, 5552, 5632, 5570, 5278, 5322, 5571, 5465, 5330, 5272, 5334, 5476, 5392, 5306, 5447, 5442, 5353, 5485, 5308, 5580 (12 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
4	9	1.0	333.0	Yes	5293.0MHz, -64.0dBm	5624, 5578, 5648, 5566, 5674, 5694, 5642, 5644, 5516, 5497, 5500, 5462, 5557, 5270, 5443, 5499, 5673, 5685, 5561, 5483, 5588, 5467, 5702, 5339, 5274, 5405, 5372, 5370, 5671, 5477, 5264, 5520, 5606, 5533, 5665, 5363, 5546, 5519, 5410, 5524, 5496, 5427, 5492, 5596, 5724, 5265, 5312, 5567, 5369, 5290, 5698, 5491, 5703, 5357, 5523, 5392, 5572, 5272, 5696, 5320, 5309, 5342, 5367, 5589, 5720, 5463, 5431, 5510, 5471, 5293, 5324, 5341, 5318, 5338, 5457, 5680, 5540, 5262, 5289, 5719, 5461, 5325, 5669, 5373, 5284, 5529, 5662, 5261, 5328, 5684, 5525, 5407, 5256, 5718, 5470, 5408, 5354, 5643, 5667, 5689 (10 hits)
5	9	1.0	333.0	Yes	5294.0MHz, -64.0dBm	5320, 5492, 5563, 5327, 5643, 5614, 5264, 5424, 5268, 5322, 5469, 5444, 5659, 5650, 5560, 5339, 5570, 5313, 5654, 5486, 5592, 5452, 5496, 5715, 5266, 5393, 5667, 5526, 5549, 5697, 5501, 5399, 5329, 5507, 5493, 5275, 5315, 5460, 5721, 5416, 5613, 5447, 5336, 5624, 5593, 5457, 5541, 5657, 5301, 5528, 5467, 5347, 5345, 5502, 5340, 5343, 5598, 5671, 5710, 5300, 5262, 5695, 5461, 5431, 5713, 5722, 5373, 5533, 5291, 5522, 5548, 5648, 5655, 5568, 5309, 5521, 5398, 5407, 5417, 5554, 5390, 5638, 5562, 5290, 5476, 5701, 5632, 5577, 5665, 5287, 5625, 5395, 5380, 5392, 5386, 5516, 5515, 5382, 5584, 5499 (11 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
6	9	1.0	333.0	Yes	5295.0MHz, -64.0dBm	5593, 5491, 5627, 5251, 5470, 5556, 5273, 5324, 5717, 5478, 5493, 5638, 5310, 5335, 5431, 5253, 5570, 5255, 5362, 5288, 5515, 5376, 5542, 5322, 5718, 5679, 5464, 5354, 5707, 5573, 5505, 5504, 5536, 5522, 5577, 5372, 5664, 5590, 5604, 5260, 5289, 5432, 5368, 5517, 5582, 5427, 5533, 5497, 5678, 5532, 5490, 5272, 5422, 5404, 5578, 5530, 5435, 5268, 5443, 5329, 5286, 5683, 5626, 5538, 5658, 5475, 5290, 5296, 5418, 5591, 5452, 5643, 5651, 5580, 5549, 5383, 5587, 5695, 5391, 5537, 5450, 5284, 5597, 5653, 5692, 5463, 5492, 5545, 5601, 5458, 5559, 5722, 5540, 5586, 5471, 5481, 5710, 5476, 5483, 5361 (7 hits)
7	9	1.0	333.0	Yes	5296.0MHz, -64.0dBm	5322, 5703, 5673, 5672, 5695, 5609, 5621, 5546, 5265, 5333, 5432, 5581, 5367, 5453, 5365, 5438, 5284, 5298, 5387, 5657, 5519, 5500, 5490, 5379, 5560, 5466, 5446, 5451, 5644, 5578, 5533, 5593, 5271, 5719, 5655, 5696, 5594, 5307, 5708, 5661, 5617, 5604, 5599, 5323, 5510, 5544, 5485, 5415, 5653, 5573, 5375, 5583, 5306, 5286, 5457, 5588, 5666, 5670, 5700, 5586, 5715, 5678, 5425, 5328, 5649, 5705, 5497, 5400, 5706, 5473, 5689, 5291, 5641, 5652, 5402, 5349, 5651, 5303, 5380, 5568, 5461, 5296, 5326, 5304, 5710, 5259, 5290, 5679, 5629, 5377, 5421, 5465, 5275, 5312, 5543, 5483, 5258, 5525, 5549, 5660 (13 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
8	9	1.0	333.0	Yes	5297.0MHz, -64.0dBm	5616, 5496, 5676, 5269, 5481, 5686, 5387, 5441, 5472, 5540, 5283, 5515, 5469, 5649, 5318, 5704, 5497, 5462, 5381, 5315, 5621, 5511, 5296, 5466, 5277, 5572, 5377, 5303, 5548, 5297, 5493, 5722, 5412, 5483, 5416, 5443, 5427, 5419, 5477, 5290, 5396, 5422, 5623, 5590, 5644, 5398, 5292, 5645, 5595, 5508, 5720, 5332, 5403, 5523, 5393, 5603, 5251, 5636, 5433, 5265, 5498, 5313, 5594, 5518, 5575, 5586, 5488, 5622, 5583, 5432, 5268, 5709, 5436, 5703, 5681, 5459, 5317, 5324, 5479, 5534, 5386, 5476, 5390, 5561, 5374, 5287, 5415, 5643, 5409, 5615, 5442, 5342, 5294, 5662, 5338, 5298, 5420, 5328, 5302, 5533 (14 hits)
9	9	1.0	333.0	Yes	5298.0MHz, -64.0dBm	5382, 5708, 5258, 5613, 5270, 5387, 5682, 5522, 5449, 5686, 5552, 5464, 5340, 5576, 5339, 5331, 5328, 5276, 5624, 5665, 5360, 5527, 5551, 5610, 5695, 5428, 5664, 5315, 5350, 5288, 5585, 5332, 5581, 5261, 5602, 5639, 5595, 5629, 5365, 5562, 5710, 5358, 5311, 5355, 5376, 5524, 5511, 5398, 5687, 5416, 5274, 5672, 5439, 5517, 5308, 5500, 5307, 5544, 5654, 5505, 5336, 5319, 5661, 5652, 5634, 5256, 5419, 5546, 5566, 5305, 5343, 5395, 5601, 5353, 5636, 5284, 5341, 5724, 5667, 5596, 5327, 5359, 5255, 5269, 5260, 5571, 5271, 5534, 5583, 5251, 5707, 5684, 5420, 5252, 5535, 5674, 5282, 5635, 5452, 5705 (9 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
10	9	1.0	333.0	Yes	5299.0MHz, -64.0dBm	5348, 5678, 5516, 5372, 5293, 5322, 5391, 5482, 5399, 5488, 5649, 5530, 5612, 5392, 5700, 5259, 5609, 5636, 5459, 5490, 5448, 5449, 5323, 5465, 5613, 5597, 5498, 5264, 5413, 5466, 5715, 5696, 5469, 5278, 5558, 5299, 5375, 5487, 5346, 5257, 5275, 5522, 5480, 5681, 5651, 5529, 5497, 5365, 5625, 5457, 5377, 5601, 5555, 5340, 5679, 5379, 5416, 5616, 5477, 5398, 5585, 5519, 5285, 5550, 5321, 5478, 5305, 5590, 5437, 5432, 5652, 5642, 5364, 5608, 5422, 5316, 5331, 5623, 5645, 5356, 5524, 5683, 5554, 5628, 5627, 5517, 5630, 5393, 5256, 5587, 5450, 5694, 5489, 5686, 5509, 5300, 5376, 5315, 5434, 5310 (11 hits)
11	9	1.0	333.0	Yes	5300.0MHz, -64.0dBm	5255, 5486, 5699, 5525, 5533, 5489, 5659, 5355, 5458, 5541, 5500, 5495, 5594, 5589, 5565, 5538, 5361, 5720, 5671, 5439, 5542, 5583, 5710, 5644, 5299, 5705, 5471, 5459, 5430, 5455, 5391, 5687, 5334, 5262, 5613, 5545, 5655, 5596, 5483, 5448, 5273, 5690, 5714, 5698, 5472, 5568, 5681, 5537, 5574, 5603, 5307, 5420, 5501, 5713, 5347, 5272, 5418, 5384, 5267, 5530, 5558, 5475, 5425, 5639, 5507, 5342, 5323, 5592, 5499, 5708, 5270, 5301, 5336, 5527, 5633, 5553, 5678, 5400, 5354, 5401, 5559, 5351, 5573, 5477, 5343, 5588, 5364, 5540, 5546, 5253, 5529, 5466, 5366, 5614, 5561, 5512, 5531, 5490, 5685, 5308 (5 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
12	9	1.0	333.0	Yes	5301.0MHz, -64.0dBm	5396, 5691, 5632, 5603, 5271, 5302, 5367, 5327, 5699, 5511, 5502, 5669, 5519, 5589, 5437, 5489, 5282, 5563, 5722, 5597, 5581, 5301, 5345, 5476, 5390, 5456, 5361, 5652, 5539, 5535, 5661, 5636, 5343, 5325, 5287, 5472, 5430, 5666, 5613, 5341, 5278, 5517, 5621, 5640, 5447, 5304, 5614, 5604, 5366, 5612, 5300, 5466, 5627, 5394, 5689, 5574, 5273, 5633, 5534, 5308, 5491, 5588, 5319, 5540, 5463, 5433, 5449, 5295, 5523, 5460, 5375, 5441, 5648, 5402, 5709, 5528, 5714, 5704, 5679, 5706, 5318, 5635, 5675, 5387, 5442, 5415, 5712, 5620, 5682, 5562, 5255, 5297, 5564, 5286, 5482, 5462, 5448, 5513, 5269, 5299 (12 hits)
13	9	1.0	333.0	Yes	5302.0MHz, -64.0dBm	5404, 5257, 5517, 5659, 5330, 5556, 5599, 5566, 5636, 5621, 5333, 5655, 5279, 5626, 5600, 5667, 5409, 5503, 5710, 5670, 5712, 5425, 5381, 5332, 5508, 5703, 5694, 5323, 5610, 5325, 5400, 5461, 5483, 5640, 5343, 5593, 5692, 5423, 5596, 5255, 5302, 5355, 5475, 5427, 5261, 5405, 5361, 5686, 5375, 5321, 5666, 5642, 5540, 5530, 5385, 5481, 5647, 5571, 5598, 5468, 5709, 5407, 5619, 5439, 5545, 5416, 5693, 5387, 5389, 5253, 5537, 5301, 5565, 5722, 5282, 5308, 5274, 5396, 5485, 5317, 5520, 5319, 5316, 5629, 5356, 5349, 5587, 5652, 5402, 5420, 5714, 5328, 5443, 5707, 5408, 5309, 5631, 5473, 5413, 5544 (12 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
14	9	1.0	333.0	Yes	5303.0MHz, -64.0dBm	5632, 5357, 5614, 5560, 5546, 5296, 5589, 5447, 5547, 5703, 5587, 5475, 5340, 5431, 5251, 5720, 5444, 5252, 5390, 5347, 5548, 5351, 5561, 5490, 5318, 5530, 5612, 5398, 5641, 5696, 5681, 5658, 5461, 5536, 5348, 5354, 5258, 5323, 5724, 5309, 5685, 5451, 5420, 5505, 5329, 5322, 5291, 5566, 5590, 5601, 5529, 5629, 5275, 5485, 5539, 5693, 5605, 5297, 5401, 5415, 5365, 5517, 5723, 5701, 5518, 5672, 5554, 5366, 5682, 5710, 5440, 5364, 5253, 5267, 5428, 5540, 5708, 5602, 5606, 5467, 5488, 5360, 5271, 5282, 5478, 5327, 5657, 5568, 5367, 5262, 5594, 5386, 5427, 5592, 5343, 5394, 5627, 5277, 5625, 5674 (9 hits)
15	9	1.0	333.0	Yes	5304.0MHz, -64.0dBm	5321, 5468, 5615, 5408, 5367, 5523, 5489, 5525, 5581, 5336, 5372, 5554, 5437, 5515, 5306, 5359, 5320, 5358, 5420, 5585, 5561, 5504, 5648, 5256, 5289, 5309, 5575, 5717, 5508, 5399, 5442, 5292, 5475, 5598, 5602, 5620, 5284, 5392, 5715, 5712, 5564, 5697, 5268, 5607, 5252, 5551, 5655, 5704, 5326, 5269, 5448, 5381, 5626, 5355, 5507, 5521, 5702, 5314, 5432, 5467, 5650, 5440, 5677, 5550, 5429, 5695, 5545, 5622, 5393, 5700, 5337, 5519, 5350, 5666, 5553, 5279, 5476, 5407, 5494, 5520, 5686, 5319, 5484, 5555, 5536, 5557, 5619, 5452, 5283, 5540, 5380, 5396, 5395, 5670, 5311, 5397, 5662, 5441, 5637, 5628 (10 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
16	9	1.0	333.0	Yes	5305.0MHz, -64.0dBm	5461, 5718, 5673, 5700, 5562, 5589, 5330, 5638, 5711, 5350, 5556, 5667, 5575, 5277, 5643, 5382, 5352, 5587, 5286, 5612, 5604, 5675, 5340, 5432, 5573, 5706, 5530, 5397, 5693, 5724, 5281, 5458, 5482, 5324, 5713, 5455, 5283, 5358, 5260, 5405, 5364, 5542, 5426, 5456, 5630, 5572, 5380, 5369, 5465, 5451, 5329, 5292, 5636, 5389, 5554, 5596, 5469, 5522, 5376, 5705, 5424, 5280, 5720, 5476, 5622, 5688, 5544, 5308, 5435, 5282, 5423, 5541, 5487, 5568, 5721, 5299, 5563, 5517, 5415, 5565, 5514, 5658, 5478, 5564, 5392, 5698, 5467, 5494, 5679, 5486, 5666, 5401, 5414, 5300, 5614, 5608, 5367, 5377, 5383, 5472 (7 hits)
17	9	1.0	333.0	Yes	5306.0MHz, -64.0dBm	5543, 5548, 5630, 5571, 5704, 5562, 5362, 5256, 5635, 5509, 5574, 5570, 5299, 5535, 5717, 5504, 5682, 5500, 5607, 5606, 5565, 5660, 5421, 5613, 5529, 5505, 5556, 5511, 5484, 5483, 5608, 5542, 5649, 5250, 5699, 5563, 5412, 5678, 5507, 5316, 5293, 5537, 5581, 5456, 5407, 5491, 5417, 5363, 5391, 5462, 5544, 5477, 5685, 5596, 5390, 5340, 5413, 5368, 5597, 5432, 5430, 5447, 5634, 5357, 5439, 5427, 5470, 5617, 5679, 5622, 5269, 5696, 5352, 5510, 5523, 5502, 5589, 5342, 5307, 5482, 5503, 5545, 5609, 5401, 5318, 5358, 5642, 5313, 5377, 5333, 5420, 5701, 5275, 5512, 5455, 5351, 5379, 5393, 5367, 5691 (6 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
18	9	1.0	333.0	Yes	5307.0MHz, -64.0dBm	5458, 5569, 5531, 5487, 5497, 5699, 5702, 5543, 5668, 5372, 5365, 5445, 5694, 5633, 5345, 5567, 5670, 5382, 5344, 5716, 5577, 5582, 5539, 5466, 5462, 5312, 5606, 5396, 5380, 5610, 5419, 5403, 5319, 5581, 5364, 5525, 5367, 5649, 5627, 5276, 5259, 5343, 5385, 5443, 5574, 5622, 5524, 5691, 5351, 5442, 5485, 5540, 5256, 5675, 5693, 5298, 5260, 5425, 5548, 5378, 5323, 5281, 5589, 5440, 5547, 5353, 5705, 5400, 5555, 5356, 5650, 5671, 5448, 5680, 5664, 5399, 5375, 5476, 5454, 5463, 5452, 5651, 5645, 5597, 5366, 5468, 5584, 5484, 5559, 5262, 5718, 5623, 5522, 5285, 5636, 5619, 5667, 5278, 5391, 5706 (4 hits)
19	9	1.0	333.0	Yes	5308.0MHz, -64.0dBm	5718, 5340, 5297, 5344, 5710, 5572, 5485, 5603, 5586, 5582, 5519, 5492, 5688, 5289, 5701, 5571, 5619, 5376, 5312, 5532, 5622, 5331, 5513, 5315, 5274, 5502, 5546, 5434, 5604, 5487, 5539, 5555, 5578, 5690, 5414, 5366, 5657, 5278, 5678, 5668, 5275, 5704, 5720, 5635, 5612, 5716, 5410, 5332, 5534, 5483, 5478, 5722, 5606, 5663, 5356, 5310, 5500, 5501, 5301, 5632, 5279, 5267, 5450, 5667, 5687, 5373, 5573, 5498, 5542, 5597, 5662, 5445, 5497, 5607, 5723, 5449, 5387, 5682, 5380, 5650, 5698, 5469, 5317, 5381, 5686, 5681, 5695, 5460, 5292, 5631, 5660, 5419, 5368, 5436, 5512, 5642, 5569, 5284, 5580, 5286 (9 hits)

| **Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW** |

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
20	9	1.0	333.0	Yes	5309.0MHz, -64.0dBm	5710, 5530, 5291, 5456, 5280, 5698, 5665, 5336, 5422, 5552, 5652, 5290, 5504, 5489, 5648, 5268, 5343, 5623, 5609, 5527, 5587, 5541, 5686, 5599, 5508, 5545, 5377, 5385, 5353, 5491, 5694, 5604, 5321, 5453, 5598, 5532, 5635, 5564, 5520, 5708, 5498, 5472, 5431, 5387, 5376, 5256, 5512, 5285, 5324, 5270, 5561, 5610, 5317, 5272, 5531, 5537, 5450, 5533, 5463, 5670, 5588, 5521, 5388, 5379, 5660, 5626, 5357, 5492, 5384, 5393, 5717, 5349, 5274, 5516, 5500, 5497, 5581, 5510, 5656, 5451, 5481, 5297, 5485, 5342, 5697, 5716, 5509, 5483, 5314, 5389, 5536, 5651, 5312, 5365, 5391, 5298, 5680, 5304, 5457, 5601 (10 hits)
21	9	1.0	333.0	Yes	5310.0MHz, -64.0dBm	5624, 5276, 5416, 5312, 5313, 5556, 5282, 5628, 5550, 5492, 5554, 5444, 5516, 5424, 5602, 5498, 5568, 5474, 5506, 5507, 5548, 5355, 5482, 5405, 5479, 5450, 5653, 5618, 5311, 5286, 5716, 5402, 5543, 5664, 5443, 5681, 5287, 5430, 5687, 5708, 5445, 5255, 5305, 5661, 5559, 5711, 5675, 5585, 5254, 5662, 5369, 5428, 5425, 5323, 5391, 5266, 5590, 5525, 5502, 5385, 5505, 5472, 5635, 5418, 5534, 5655, 5527, 5379, 5536, 5683, 5407, 5382, 5279, 5324, 5301, 5269, 5448, 5660, 5552, 5541, 5565, 5503, 5320, 5560, 5294, 5387, 5409, 5712, 5577, 5589, 5260, 5368, 5280, 5596, 5531, 5609, 5547, 5376, 5649, 5691 (9 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
22	9	1.0	333.0	Yes	5311.0MHz, -64.0dBm	5419, 5427, 5439, 5490, 5597, 5724, 5307, 5413, 5315, 5416, 5298, 5547, 5537, 5358, 5630, 5483, 5591, 5613, 5366, 5293, 5466, 5398, 5289, 5438, 5669, 5470, 5529, 5379, 5511, 5399, 5650, 5500, 5525, 5718, 5657, 5300, 5617, 5701, 5317, 5393, 5549, 5381, 5369, 5503, 5306, 5486, 5471, 5287, 5694, 5604, 5528, 5639, 5409, 5631, 5596, 5404, 5481, 5508, 5637, 5592, 5421, 5520, 5633, 5447, 5268, 5496, 5326, 5505, 5397, 5412, 5710, 5544, 5415, 5531, 5609, 5279, 5264, 5695, 5311, 5465, 5491, 5550, 5329, 5451, 5445, 5262, 5641, 5325, 5477, 5347, 5440, 5475, 5473, 5436, 5372, 5277, 5519, 5697, 5385, 5434 (12 hits)
23	9	1.0	333.0	Yes	5312.0MHz, -64.0dBm	5645, 5547, 5313, 5615, 5284, 5525, 5351, 5590, 5385, 5363, 5721, 5251, 5703, 5518, 5448, 5516, 5478, 5271, 5724, 5326, 5278, 5674, 5329, 5338, 5612, 5460, 5688, 5692, 5370, 5591, 5607, 5312, 5429, 5406, 5565, 5368, 5433, 5314, 5405, 5286, 5434, 5348, 5670, 5662, 5644, 5413, 5635, 5457, 5252, 5352, 5419, 5411, 5619, 5514, 5446, 5398, 5282, 5361, 5372, 5403, 5355, 5622, 5292, 5621, 5270, 5267, 5409, 5502, 5623, 5441, 5517, 5522, 5618, 5471, 5632, 5397, 5311, 5354, 5658, 5283, 5294, 5379, 5356, 5418, 5340, 5337, 5468, 5716, 5676, 5680, 5276, 5472, 5488, 5690, 5550, 5668, 5432, 5300, 5572, 5699 (9 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
24	9	1.0	333.0	Yes	5313.0MHz, -64.0dBm	5395, 5409, 5377, 5429, 5283, 5276, 5711, 5585, 5517, 5548, 5662, 5379, 5690, 5723, 5382, 5366, 5648, 5306, 5638, 5293, 5467, 5706, 5499, 5312, 5292, 5692, 5579, 5696, 5686, 5270, 5709, 5685, 5299, 5375, 5498, 5252, 5346, 5397, 5309, 5484, 5383, 5630, 5324, 5543, 5684, 5552, 5664, 5367, 5295, 5546, 5636, 5535, 5458, 5703, 5353, 5677, 5666, 5317, 5459, 5647, 5632, 5381, 5390, 5590, 5436, 5476, 5328, 5275, 5468, 5261, 5416, 5596, 5537, 5518, 5282, 5644, 5326, 5618, 5444, 5274, 5339, 5544, 5301, 5509, 5374, 5531, 5362, 5461, 5626, 5278, 5575, 5454, 5562, 5371, 5528, 5394, 5704, 5256, 5477, 5720 (12 hits)
25	9	1.0	333.0	Yes	5314.0MHz, -64.0dBm	5336, 5555, 5316, 5392, 5527, 5475, 5724, 5358, 5384, 5619, 5642, 5540, 5608, 5402, 5258, 5655, 5643, 5657, 5310, 5547, 5594, 5262, 5357, 5539, 5639, 5700, 5410, 5273, 5473, 5605, 5573, 5374, 5461, 5345, 5614, 5668, 5487, 5285, 5693, 5486, 5696, 5568, 5687, 5377, 5480, 5254, 5365, 5534, 5456, 5572, 5520, 5464, 5612, 5563, 5318, 5484, 5533, 5320, 5524, 5274, 5343, 5403, 5551, 5660, 5570, 5383, 5332, 5665, 5526, 5558, 5562, 5322, 5397, 5270, 5613, 5430, 5719, 5545, 5522, 5598, 5434, 5324, 5278, 5338, 5515, 5529, 5465, 5712, 5702, 5677, 5499, 5666, 5437, 5292, 5396, 5337, 5267, 5250, 5633, 5440 (7 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
26	9	1.0	333.0	Yes	5315.0MHz, -64.0dBm	5639, 5654, 5492, 5408, 5401, 5535, 5339, 5292, 5567, 5396, 5555, 5451, 5425, 5434, 5347, 5477, 5284, 5524, 5574, 5349, 5725, 5521, 5490, 5697, 5664, 5307, 5290, 5422, 5369, 5526, 5379, 5446, 5537, 5712, 5441, 5595, 5507, 5585, 5466, 5676, 5325, 5432, 5681, 5600, 5498, 5448, 5601, 5656, 5724, 5350, 5462, 5413, 5311, 5548, 5499, 5410, 5309, 5281, 5455, 5693, 5475, 5699, 5715, 5609, 5351, 5558, 5400, 5525, 5345, 5280, 5497, 5514, 5529, 5394, 5293, 5687, 5322, 5417, 5571, 5356, 5289, 5329, 5494, 5326, 5439, 5357, 5672, 5720, 5680, 5673, 5667, 5328, 5624, 5573, 5534, 5559, 5596, 5646, 5488, 5493 (12 hits)
27	9	1.0	333.0	Yes	5316.0MHz, -64.0dBm	5715, 5315, 5480, 5719, 5526, 5401, 5669, 5270, 5657, 5628, 5658, 5646, 5271, 5568, 5659, 5535, 5675, 5334, 5305, 5364, 5296, 5367, 5487, 5672, 5407, 5681, 5611, 5578, 5274, 5662, 5663, 5396, 5682, 5316, 5637, 5269, 5284, 5676, 5442, 5694, 5264, 5332, 5530, 5549, 5404, 5536, 5590, 5372, 5256, 5308, 5255, 5464, 5615, 5272, 5566, 5385, 5619, 5630, 5363, 5552, 5640, 5500, 5420, 5474, 5456, 5622, 5713, 5664, 5333, 5312, 5589, 5392, 5661, 5425, 5449, 5428, 5297, 5376, 5409, 5522, 5252, 5498, 5254, 5516, 5273, 5472, 5325, 5636, 5318, 5688, 5395, 5280, 5473, 5397, 5510, 5554, 5460, 5446, 5591, 5415 (9 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
28	9	1.0	333.0	Yes	5317.0MHz, -64.0dBm	5348, 5502, 5505, 5256, 5301, 5262, 5511, 5716, 5411, 5439, 5378, 5468, 5596, 5643, 5647, 5631, 5368, 5514, 5529, 5312, 5337, 5722, 5566, 5645, 5415, 5446, 5264, 5557, 5257, 5491, 5634, 5333, 5583, 5698, 5644, 5569, 5427, 5255, 5315, 5300, 5549, 5518, 5681, 5682, 5326, 5280, 5606, 5444, 5653, 5354, 5600, 5400, 5688, 5668, 5677, 5542, 5551, 5361, 5408, 5433, 5546, 5664, 5414, 5267, 5285, 5261, 5471, 5584, 5422, 5658, 5364, 5375, 5263, 5690, 5715, 5711, 5421, 5385, 5539, 5272, 5488, 5250, 5454, 5532, 5572, 5639, 5568, 5632, 5398, 5580, 5299, 5291, 5449, 5307, 5717, 5362, 5275, 5359, 5651, 5499 (8 hits)
29	9	1.0	333.0	Yes	5318.0MHz, -64.0dBm	5485, 5390, 5578, 5493, 5473, 5699, 5544, 5428, 5275, 5302, 5518, 5393, 5312, 5480, 5433, 5532, 5650, 5542, 5665, 5497, 5529, 5398, 5500, 5598, 5691, 5377, 5339, 5379, 5630, 5567, 5270, 5688, 5703, 5271, 5718, 5504, 5697, 5652, 5559, 5512, 5416, 5623, 5610, 5657, 5570, 5474, 5338, 5621, 5300, 5429, 5334, 5396, 5395, 5327, 5329, 5372, 5629, 5384, 5590, 5368, 5579, 5661, 5455, 5380, 5620, 5641, 5446, 5468, 5679, 5376, 5577, 5307, 5490, 5341, 5560, 5301, 5252, 5664, 5296, 5251, 5272, 5386, 5682, 5538, 5553, 5606, 5422, 5564, 5719, 5280, 5326, 5323, 5365, 5551, 5586, 5259, 5707, 5409, 5563, 5540 (10 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
30	9	1.0	333.0	Yes	5319.0MHz, -64.0dBm	5570, 5251, 5360, 5631, 5716, 5428, 5689, 5694, 5423, 5640, 5336, 5524, 5501, 5638, 5378, 5425, 5623, 5629, 5298, 5435, 5529, 5622, 5325, 5652, 5346, 5259, 5718, 5426, 5536, 5504, 5283, 5565, 5675, 5330, 5567, 5594, 5410, 5502, 5562, 5704, 5626, 5446, 5344, 5267, 5370, 5389, 5586, 5264, 5458, 5644, 5418, 5497, 5589, 5649, 5466, 5590, 5262, 5606, 5585, 5688, 5383, 5621, 5271, 5405, 5698, 5303, 5596, 5507, 5265, 5463, 5302, 5345, 5534, 5516, 5555, 5293, 5545, 5510, 5667, 5523, 5453, 5467, 5595, 5551, 5711, 5581, 5252, 5630, 5584, 5530, 5447, 5381, 5673, 5369, 5535, 5655, 5549, 5372, 5368, 5588 (6 hits)
31	9	1.0	333.0	Yes	5321.0MHz, -64.0dBm	5721, 5312, 5303, 5474, 5579, 5408, 5613, 5619, 5696, 5674, 5262, 5332, 5438, 5389, 5363, 5701, 5377, 5500, 5664, 5264, 5591, 5712, 5267, 5608, 5475, 5493, 5563, 5273, 5430, 5263, 5355, 5537, 5479, 5626, 5686, 5661, 5472, 5567, 5678, 5595, 5544, 5536, 5582, 5471, 5552, 5529, 5683, 5483, 5638, 5633, 5325, 5359, 5672, 5314, 5697, 5643, 5675, 5348, 5315, 5280, 5677, 5340, 5365, 5353, 5450, 5635, 5520, 5345, 5433, 5655, 5710, 5657, 5605, 5323, 5650, 5437, 5298, 5427, 5631, 5556, 5398, 5454, 5460, 5679, 5546, 5654, 5394, 5324, 5484, 5510, 5443, 5577, 5270, 5589, 5418, 5451, 5413, 5400, 5687, 5321 (9 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
32	9	1.0	333.0	Yes	5322.0MHz, -64.0dBm	5310, 5596, 5581, 5319, 5527, 5253, 5279, 5368, 5425, 5544, 5552, 5547, 5382, 5276, 5292, 5286, 5647, 5460, 5372, 5630, 5504, 5723, 5285, 5712, 5464, 5496, 5565, 5490, 5314, 5588, 5572, 5706, 5459, 5722, 5566, 5485, 5344, 5497, 5623, 5666, 5334, 5396, 5315, 5389, 5713, 5673, 5716, 5512, 5472, 5411, 5377, 5513, 5612, 5676, 5501, 5489, 5502, 5355, 5697, 5689, 5374, 5542, 5457, 5385, 5398, 5307, 5264, 5466, 5604, 5556, 5569, 5339, 5635, 5514, 5277, 5582, 5545, 5680, 5693, 5607, 5561, 5562, 5510, 5446, 5575, 5294, 5254, 5677, 5413, 5486, 5714, 5555, 5453, 5468, 5335, 5495, 5573, 5625, 5724, 5373 (7 hits)
33	9	1.0	333.0	Yes	5323.0MHz, -64.0dBm	5274, 5300, 5418, 5355, 5293, 5662, 5507, 5404, 5591, 5691, 5376, 5520, 5543, 5419, 5360, 5286, 5560, 5641, 5431, 5358, 5670, 5622, 5515, 5530, 5280, 5640, 5409, 5278, 5437, 5395, 5689, 5578, 5447, 5692, 5377, 5684, 5268, 5255, 5529, 5430, 5533, 5345, 5506, 5624, 5332, 5306, 5581, 5281, 5618, 5486, 5333, 5421, 5383, 5362, 5277, 5658, 5407, 5315, 5443, 5448, 5586, 5276, 5643, 5434, 5558, 5336, 5653, 5399, 5531, 5611, 5548, 5368, 5313, 5446, 5366, 5609, 5517, 5594, 5663, 5471, 5510, 5354, 5405, 5334, 5260, 5587, 5630, 5353, 5701, 5686, 5388, 5546, 5391, 5637, 5650, 5484, 5513, 5705, 5613, 5693 (5 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
34	9	1.0	333.0	Yes	5324.0MHz, -64.0dBm	5464, 5411, 5719, 5638, 5707, 5574, 5610, 5472, 5253, 5436, 5379, 5559, 5514, 5551, 5652, 5572, 5588, 5445, 5338, 5485, 5695, 5461, 5477, 5315, 5669, 5544, 5537, 5433, 5301, 5310, 5587, 5647, 5603, 5678, 5500, 5671, 5439, 5443, 5626, 5618, 5405, 5495, 5489, 5684, 5614, 5501, 5295, 5651, 5549, 5490, 5668, 5525, 5676, 5479, 5466, 5524, 5648, 5373, 5657, 5602, 5608, 5660, 5268, 5468, 5607, 5471, 5341, 5507, 5420, 5410, 5498, 5696, 5659, 5435, 5579, 5257, 5627, 5519, 5427, 5389, 5722, 5576, 5483, 5499, 5283, 5273, 5662, 5693, 5352, 5580, 5304, 5592, 5699, 5456, 5543, 5275, 5331, 5404, 5672, 5505 (6 hits)
35	9	1.0	333.0	Yes	5325.0MHz, -64.0dBm	5456, 5702, 5325, 5683, 5382, 5314, 5548, 5605, 5440, 5417, 5608, 5543, 5283, 5296, 5407, 5707, 5342, 5397, 5553, 5270, 5685, 5621, 5262, 5436, 5664, 5348, 5589, 5443, 5609, 5601, 5691, 5430, 5329, 5708, 5559, 5358, 5361, 5710, 5712, 5288, 5431, 5627, 5258, 5596, 5657, 5476, 5349, 5439, 5534, 5364, 5678, 5610, 5551, 5682, 5250, 5532, 5488, 5458, 5464, 5640, 5567, 5311, 5328, 5723, 5434, 5535, 5441, 5554, 5667, 5703, 5537, 5603, 5462, 5716, 5705, 5644, 5500, 5575, 5512, 5305, 5665, 5306, 5495, 5313, 5498, 5597, 5529, 5538, 5294, 5615, 5717, 5277, 5628, 5442, 5485, 5486, 5330, 5587, 5318, 5271 (12 hits)

| **Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW** |

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
36	9	1.0	333.0	Yes	5326.0MHz, -64.0dBm	5719, 5270, 5699, 5540, 5576, 5572, 5670, 5502, 5327, 5489, 5380, 5525, 5509, 5427, 5400, 5625, 5570, 5686, 5604, 5402, 5317, 5697, 5517, 5430, 5689, 5661, 5694, 5595, 5614, 5315, 5617, 5311, 5360, 5314, 5347, 5481, 5381, 5646, 5715, 5569, 5599, 5680, 5330, 5326, 5256, 5490, 5597, 5546, 5562, 5505, 5530, 5596, 5535, 5417, 5475, 5708, 5271, 5320, 5713, 5495, 5642, 5574, 5411, 5266, 5348, 5349, 5257, 5288, 5255, 5714, 5695, 5467, 5679, 5272, 5294, 5623, 5627, 5301, 5267, 5376, 5310, 5631, 5657, 5313, 5457, 5367, 5354, 5466, 5279, 5416, 5687, 5514, 5389, 5357, 5374, 5460, 5601, 5390, 5583, 5484 (12 hits)
37	9	1.0	333.0	Yes	5327.0MHz, -64.0dBm	5348, 5611, 5629, 5457, 5480, 5707, 5482, 5636, 5384, 5363, 5304, 5580, 5289, 5617, 5567, 5646, 5380, 5569, 5450, 5448, 5518, 5708, 5270, 5566, 5524, 5536, 5635, 5510, 5438, 5565, 5627, 5658, 5252, 5411, 5705, 5515, 5336, 5555, 5325, 5456, 5293, 5628, 5493, 5618, 5686, 5370, 5520, 5478, 5391, 5668, 5259, 5374, 5603, 5559, 5676, 5650, 5288, 5405, 5353, 5722, 5572, 5273, 5413, 5357, 5656, 5549, 5494, 5408, 5563, 5491, 5253, 5381, 5554, 5436, 5622, 5424, 5462, 5464, 5475, 5516, 5671, 5537, 5525, 5264, 5626, 5274, 5495, 5723, 5276, 5372, 5718, 5312, 5710, 5483, 5547, 5598, 5724, 5690, 5291, 5437 (6 hits)

Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
38	9	1.0	333.0	Yes	5328.0MHz, -64.0dBm	5310, 5348, 5461, 5440, 5686, 5594, 5646, 5459, 5400, 5432, 5551, 5339, 5716, 5317, 5369, 5356, 5332, 5314, 5482, 5540, 5258, 5504, 5403, 5410, 5255, 5503, 5393, 5501, 5495, 5304, 5287, 5376, 5546, 5718, 5520, 5543, 5561, 5271, 5508, 5254, 5502, 5279, 5647, 5330, 5377, 5587, 5628, 5669, 5416, 5588, 5538, 5450, 5649, 5385, 5270, 5431, 5554, 5549, 5399, 5684, 5720, 5662, 5443, 5680, 5401, 5572, 5278, 5395, 5632, 5687, 5438, 5653, 5643, 5616, 5595, 5564, 5267, 5333, 5601, 5507, 5295, 5693, 5667, 5652, 5527, 5272, 5591, 5381, 5473, 5566, 5342, 5346, 5471, 5386, 5300, 5341, 5599, 5338, 5704, 5453 (7 hits)
39	9	1.0	333.0	Yes	5329.0MHz, -64.0dBm	5321, 5484, 5703, 5718, 5478, 5407, 5272, 5445, 5684, 5551, 5599, 5638, 5717, 5631, 5669, 5350, 5616, 5266, 5680, 5611, 5396, 5327, 5427, 5533, 5386, 5685, 5582, 5628, 5528, 5495, 5697, 5315, 5671, 5695, 5510, 5485, 5437, 5465, 5388, 5423, 5375, 5489, 5629, 5598, 5429, 5494, 5311, 5277, 5313, 5389, 5587, 5636, 5657, 5447, 5416, 5270, 5673, 5291, 5568, 5544, 5571, 5433, 5663, 5721, 5390, 5414, 5618, 5566, 5526, 5330, 5640, 5306, 5318, 5627, 5320, 5322, 5575, 5516, 5412, 5507, 5639, 5259, 5543, 5562, 5550, 5583, 5332, 5263, 5617, 5333, 5287, 5505, 5500, 5499, 5706, 5573, 5413, 5435, 5374, 5709 (11 hits)

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Table 16 - FCC frequency hopping radar (Type 6) Results XN-16 40MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
40	9	1.0	333.0	Yes	5330.0MHz, -64.0dBm	5424, 5564, 5697, 5581, 5282, 5643, 5423, 5315, 5591, 5348, 5376, 5563, 5436, 5527, 5257, 5292, 5281, 5658, 5352, 5561, 5398, 5299, 5471, 5539, 5381, 5258, 5661, 5543, 5371, 5520, 5405, 5380, 5640, 5629, 5470, 5521, 5691, 5368, 5712, 5587, 5277, 5329, 5723, 5275, 5494, 5589, 5532, 5358, 5548, 5612, 5307, 5362, 5396, 5263, 5627, 5335, 5428, 5326, 5671, 5383, 5636, 5487, 5267, 5422, 5673, 5588, 5386, 5378, 5685, 5361, 5720, 5345, 5461, 5351, 5297, 5485, 5276, 5672, 5272, 5468, 5442, 5519, 5373, 5530, 5312, 5317, 5284, 5614, 5704, 5596, 5408, 5455, 5448, 5620, 5698, 5322, 5501, 5615, 5321, 5659 (11 hits)
41	9	1.0	333.0	No	5331.0MHz, -64.0dBm	5715, 5318, 5447, 5525, 5514, 5718, 5582, 5369, 5512, 5722, 5664, 5552, 5548, 5521, 5334, 5343, 5455, 5524, 5513, 5516, 5505, 5656, 5579, 5684, 5410, 5251, 5420, 5639, 5518, 5466, 5530, 5303, 5256, 5338, 5703, 5621, 5596, 5631, 5445, 5589, 5673, 5396, 5383, 5310, 5549, 5259, 5566, 5442, 5669, 5332, 5711, 5325, 5488, 5554, 5586, 5648, 5588, 5379, 5701, 5285, 5299, 5624, 5350, 5557, 5628, 5435, 5314, 5688, 5587, 5708, 5336, 5377, 5658, 5675, 5295, 5409, 5307, 5597, 5317, 5496, 5629, 5665, 5686, 5494, 5546, 5522, 5476, 5502, 5389, 5340, 5346, 5289, 5584, 5456, 5625, 5352, 5534, 5316, 5394, 5422 (11 hits)

Table 17 - Long Sequence Waveform Summary XN-16 40MHz BW		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	NOT Detected	5310.0MHz, -64.0dBm
Trial #2	NOT Detected	5310.0MHz, -64.0dBm
Trial #3	Detected	5310.0MHz, -64.0dBm
Trial #4	Detected	5310.0MHz, -64.0dBm
Trial #5	NOT Detected	5310.0MHz, -64.0dBm
Trial #6	Detected	5310.0MHz, -64.0dBm
Trial #7	Detected	5310.0MHz, -64.0dBm
Trial #8	Detected	5310.0MHz, -64.0dBm
Trial #9	Detected	5310.0MHz, -64.0dBm
Trial #10	Detected	5310.0MHz, -64.0dBm
Trial #11	Detected	5310.0MHz, -64.0dBm
Trial #12	Detected	5310.0MHz, -64.0dBm
Trial #13	Detected	5310.0MHz, -64.0dBm
Trial #14	Detected	5310.0MHz, -64.0dBm
Trial #15	Detected	5310.0MHz, -64.0dBm
Trial #16	Detected	5310.0MHz, -64.0dBm
Trial #17	Detected	5310.0MHz, -64.0dBm
Trial #18	Detected	5310.0MHz, -64.0dBm
Trial #19	Detected	5310.0MHz, -64.0dBm
Trial #20	Detected	5310.0MHz, -64.0dBm
Trial #21	Detected	5310.0MHz, -64.0dBm
Trial #22	Detected	5310.0MHz, -64.0dBm
Trial #23	Detected	5310.0MHz, -64.0dBm
Trial #24	Detected	5310.0MHz, -64.0dBm
Trial #25	Detected	5310.0MHz, -64.0dBm
Trial #26	Detected	5310.0MHz, -64.0dBm
Trial #27	Detected	5310.0MHz,

Table 17 - Long Sequence Waveform Summary XN-16 40MHz BW		
Long Sequence Trial	Result	Radar Frequency / Amplitude
		-64.0dBm
Trial #28	NOT Detected	5310.0MHz, -64.0dBm
Trial #29	NOT Detected	5310.0MHz, -64.0dBm
Trial #30	Detected	5310.0MHz, -64.0dBm
Trial #31	Detected	5310.0MHz, -64.0dBm

Table 18 - XN-16 40MHz BW Long Sequence Waveform Trial#1 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	99.0	14	-	-	0.560338
1	2	78.0	18	1936.0	-	1.682374
2	1	94.5	18	-	-	2.259249
3	1	89.0	15	-	-	3.617098
4	2	80.7	11	1816.0	-	4.305561
5	1	84.4	18	-	-	5.932177
6	2	76.8	6	1088.0	-	6.941977
7	2	59.0	18	1679.0	-	7.573986
8	3	53.4	7	1376.0	1649.0	8.732138
9	2	79.9	13	1759.0	-	9.663092
10	1	89.6	5	-	-	10.883285
11	2	90.6	9	1193.0	-	11.007442

Table 19 - XN-16 40MHz BW Long Sequence Waveform Trial#2 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	66.9	12	-	-	0.642240
1	1	83.5	19	-	-	2.051040
2	2	81.5	6	1269.0	-	3.914562
3	1	62.9	11	-	-	5.016885
4	3	57.8	18	1607.0	1249.0	5.898812
5	2	59.1	5	1644.0	-	7.316467
6	2	79.3	7	1703.0	-	8.843612
7	1	80.3	16	-	-	9.837405
8	2	87.7	16	1941.0	-	11.349717

Table 20 - XN-16 40MHz BW Long Sequence Waveform Trial#3 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	75.7	7	1310.0	-	0.394101
1	2	99.2	15	1920.0	-	0.818968
2	2	60.9	11	1574.0	-	1.809485
3	2	73.8	20	1317.0	-	2.321374
4	2	90.7	6	1117.0	-	2.630660
5	3	70.0	12	1275.0	1033.0	3.656404
6	2	65.7	9	1785.0	-	4.088387
7	3	62.8	18	1049.0	1388.0	4.897427

Table 20 - XN-16 40MHz BW Long Sequence Waveform Trial#3 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
8	3	62.1	11	1537.0	1002.0	5.592750
9	1	99.3	19	-	-	6.041863
10	3	74.2	17	1805.0	1465.0	6.719779
11	2	71.5	11	1062.0	-	7.484824
12	1	96.6	16	-	-	8.085624
13	2	67.0	14	1122.0	-	8.664763
14	3	97.8	7	1319.0	1787.0	9.468728
15	3	71.8	16	1812.0	1930.0	9.560066
16	2	80.6	15	1777.0	-	10.478975
17	1	82.4	8	-	-	11.056326
18	2	50.2	9	1390.0	-	11.981373

Table 21 - XN-16 40MHz BW Long Sequence Waveform Trial#4 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	57.8	9	1782.0	-	0.390379
1	1	97.4	17	-	-	1.870458
2	3	99.9	15	1736.0	1882.0	2.245824
3	3	72.5	14	1990.0	1079.0	3.989676
4	2	79.1	15	1549.0	-	5.316921
5	2	86.0	6	1247.0	-	5.804964
6	3	82.4	11	1042.0	1906.0	7.489331
7	2	58.5	18	1236.0	-	8.688106
8	2	50.8	13	1508.0	-	9.716213
9	2	92.8	5	1617.0	-	10.418841
10	3	64.2	8	1533.0	1488.0	11.219297

Table 22 - XN-16 40MHz BW Long Sequence Waveform Trial#5 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	84.6	14	1373.0	-	0.683346
1	1	75.4	19	-	-	1.358447
2	2	58.6	19	1134.0	-	1.916059
3	2	63.0	12	1359.0	-	2.525909
4	3	68.1	8	1801.0	1904.0	3.400239
5	1	58.7	16	-	-	3.554773
6	2	87.9	16	1393.0	-	4.496915
7	1	67.5	6	-	-	5.545531
8	2	62.1	19	1632.0	-	6.158773
9	3	53.7	18	1840.0	1441.0	6.712030
10	1	78.1	13	-	-	7.395287
11	2	78.9	13	1613.0	-	7.930432
12	3	62.1	19	1273.0	1804.0	8.816831
13	3	66.3	16	1898.0	1386.0	9.724234
14	3	68.0	19	1041.0	1868.0	10.477997
15	2	91.5	16	1700.0	-	10.682288
16	3	85.3	19	1519.0	1625.0	11.718233

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
Table 23 - XN-16 40MHz BW Long Sequence Waveform Trial#6 (Detected)
0	2	53.1	11	1744.0	-	0.315015
1	2	77.0	10	1409.0	-	2.132239
2	1	86.7	13	-	-	2.888645
3	3	90.5	6	1708.0	1391.0	3.429384
4	3	66.5	7	1629.0	1890.0	4.427031
5	1	91.2	20	-	-	6.085243
6	3	61.7	18	1727.0	1240.0	6.620537
7	1	89.6	14	-	-	7.832580
8	1	63.8	7	-	-	9.390133
9	2	82.5	6	1062.0	-	9.990871
10	2	70.6	17	1092.0	-	11.177522

Table 23 - XN-16 40MHz BW Long Sequence Waveform Trial#6 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	64.8	19	1627.0	-	0.103433
1	2	99.4	10	1862.0	-	1.977245
2	1	74.3	19	-	-	2.526982
3	3	72.8	6	1781.0	1486.0	4.270005
4	2	77.8	8	1623.0	-	5.579080
5	2	55.8	18	1774.0	-	6.786237
6	1	51.9	17	-	-	7.476401
7	2	81.8	11	1335.0	-	9.231365
8	1	97.8	19	-	-	9.926532
9	2	54.8	7	1620.0	-	11.809901

Table 24 - XN-16 40MHz BW Long Sequence Waveform Trial#7 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	70.1	17	-	-	0.239295
1	2	69.6	9	1901.0	-	1.445460
2	2	55.1	17	1159.0	-	1.949781
3	2	61.8	18	1356.0	-	2.407673
4	2	64.0	11	1771.0	-	3.340181
5	2	95.2	6	1031.0	-	4.334903
6	2	93.0	18	1002.0	-	4.981004
7	1	67.0	8	-	-	6.349906
8	2	50.3	14	1623.0	-	6.724897
9	3	93.8	7	1526.0	1364.0	7.708056
10	2	90.0	7	1441.0	-	8.466290
11	2	56.4	13	1729.0	-	9.323173
12	2	60.4	16	1772.0	-	9.694916
13	2	80.4	6	1964.0	-	11.119395
14	2	60.3	15	1971.0	-	11.580987

Table 25 - XN-16 40MHz BW Long Sequence Waveform Trial#8 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	73.8	14	-	-	0.048579
1	1	78.2	9	-	-	1.042859
2	2	53.7	7	1240.0	-	1.988460
3	2	69.5	14	1525.0	-	2.444432
4	2	87.0	13	1677.0	-	2.917135
5	2	53.6	19	1807.0	-	3.404052
6	3	74.7	10	1216.0	1126.0	4.488542
7	2	67.4	16	1628.0	-	4.922175
8	1	67.5	16	-	-	5.490919
9	3	55.6	7	1179.0	1641.0	6.025948
10	3	70.5	13	1667.0	1627.0	7.303877
11	2	88.0	13	1029.0	-	7.826273
12	1	79.5	5	-	-	8.036677
13	2	77.5	15	1750.0	-	8.833922
14	2	95.7	19	1036.0	-	9.357140
15	2	82.5	13	1409.0	-	10.021877
16	1	98.3	11	-	-	11.106155
17	2	98.1	6	1408.0	-	11.468188

Table 26 - XN-16 40MHz BW Long Sequence Waveform Trial#9 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	81.8	13	1998.0	-	0.437851
1	3	59.9	17	1273.0	1457.0	1.329242
2	1	53.5	14	-	-	1.706419
3	2	63.0	7	1995.0	-	2.278047
4	2	64.9	18	1073.0	-	3.222551
5	2	56.2	7	1842.0	-	3.890237
6	2	67.8	9	1847.0	-	4.108021
7	3	89.2	16	1725.0	1063.0	4.785956
8	3	92.1	9	1624.0	1006.0	5.594393
9	2	96.9	18	1612.0	-	6.017304
10	3	80.8	11	1748.0	1798.0	6.798796
11	2	82.8	14	1532.0	-	7.922080
12	2	50.2	11	1659.0	-	8.321162
13	1	68.4	7	-	-	8.917134
14	2	93.1	13	1793.0	-	9.679951
15	2	56.9	18	1959.0	-	10.302926
16	2	74.8	16	1164.0	-	10.918945
17	2	67.9	11	1277.0	-	11.594180

Table 27 - XN-16 40MHz BW Long Sequence Waveform Trial#10 (Detected)

Table 28 - XN-16 40MHz BW Long Sequence Waveform Trial#11 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	68.0	12	1448.0	1687.0	0.101702
1	3	98.3	17	1661.0	1845.0	2.935176
2	1	62.5	19	-	-	4.021006
3	2	91.1	19	1582.0	-	4.508960
4	2	51.2	11	1072.0	-	6.847359
5	1	54.5	5	-	-	8.150086
6	1	54.0	14	-	-	9.628266
7	2	71.4	9	1377.0	-	11.169523

Table 29 - XN-16 40MHz BW Long Sequence Waveform Trial#12 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	60.6	6	1166.0	-	0.456901
1	1	86.2	9	-	-	0.864631
2	1	72.6	13	-	-	1.323569
3	3	96.0	7	1950.0	1484.0	2.144186
4	1	73.5	18	-	-	2.786949
5	2	87.1	12	1731.0	-	3.267280
6	3	70.4	6	1656.0	1950.0	4.321053
7	1	62.7	13	-	-	4.472191
8	2	71.1	16	1428.0	-	5.087900
9	1	56.4	16	-	-	5.697100
10	3	64.7	13	1825.0	1075.0	6.883946
11	2	67.6	7	1362.0	-	7.209341
12	3	82.4	11	1229.0	1740.0	7.688881
13	2	62.4	13	1027.0	-	8.357432
14	1	56.6	17	-	-	9.222976
15	2	68.1	19	1888.0	-	10.065340
16	2	83.2	10	1257.0	-	10.663508
17	2	99.4	8	1082.0	-	10.949051
18	3	63.6	12	1083.0	1113.0	11.794377

Table 30 - XN-16 40MHz BW Long Sequence Waveform Trial#13 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	67.7	7	1079.0	1293.0	0.329414
1	1	96.7	11	-	-	1.168732
2	2	89.9	8	1300.0	-	1.345566
3	2	97.6	11	1278.0	-	1.859462
4	1	56.5	10	-	-	2.831501
5	3	51.6	12	1277.0	1345.0	3.084531
6	2	89.4	19	1415.0	-	4.040134
7	2	61.1	7	1620.0	-	4.293851
8	2	61.5	18	1454.0	-	4.954764
9	3	61.3	19	1366.0	1924.0	5.883069
10	2	84.8	9	1591.0	-	6.141727
11	2	58.5	9	1048.0	-	6.932625
12	1	95.1	15	-	-	7.396996
13	2	53.4	20	1676.0	-	7.889001

Table 30 - XN-16 40MHz BW Long Sequence Waveform Trial#13 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
14	3	86.6	14	1445.0	1188.0	8.784473
15	2	66.4	10	1614.0	-	9.155633
16	1	68.8	12	-	-	9.879505
17	1	99.5	10	-	-	10.509241
18	2	93.7	17	1666.0	-	10.967610
19	1	93.4	12	-	-	11.986773

Table 31 - XN-16 40MHz BW Long Sequence Waveform Trial#14 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	78.5	14	-	-	0.604959
1	2	77.9	12	1401.0	-	0.978459
2	1	88.2	14	-	-	1.369830
3	2	52.1	14	1523.0	-	2.503884
4	1	74.9	13	-	-	2.809942
5	1	53.7	6	-	-	3.756571
6	2	87.8	17	1182.0	-	4.167575
7	3	80.2	18	1364.0	1929.0	4.890512
8	1	69.4	15	-	-	5.336568
9	2	75.0	15	1109.0	-	6.290165
10	1	50.2	7	-	-	6.790563
11	3	50.3	19	1094.0	1734.0	7.399434
12	2	95.1	9	1927.0	-	8.119100
13	2	77.1	10	1991.0	-	8.598552
14	1	67.0	5	-	-	8.909213
15	1	86.7	12	-	-	9.641092
16	2	80.1	19	1523.0	-	10.128240
17	2	78.6	16	1047.0	-	11.242662
18	1	92.5	13	-	-	11.482527

Table 32 - XN-16 40MHz BW Long Sequence Waveform Trial#15 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	79.0	8	1734.0	1306.0	0.506488
1	3	77.8	19	1437.0	1707.0	1.878718
2	3	81.0	14	1276.0	1227.0	2.179670
3	2	57.6	13	1726.0	-	3.037055
4	2	87.0	20	1127.0	-	4.676033
5	3	70.5	8	1816.0	1803.0	5.267900
6	3	60.7	12	1237.0	1331.0	6.834519
7	2	66.7	18	1000.0	-	7.156484
8	2	80.8	8	1968.0	-	8.387422
9	2	91.2	11	1970.0	-	9.604608
10	1	60.5	16	-	-	10.029123
11	3	93.7	15	1806.0	1908.0	11.788532

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
Table 33 - XN-16 40MHz BW Long Sequence Waveform Trial#16 (Detected)						
0	3	62.1	11	1007.0	1222.0	0.455984
1	1	74.4	18	-	-	0.826365
2	2	52.5	11	1724.0	-	1.527276
3	3	81.5	18	1034.0	1085.0	2.250639
4	3	94.7	17	1222.0	1364.0	2.604042
5	1	76.6	13	-	-	3.464802
6	1	76.8	9	-	-	4.156536
7	3	84.0	5	1593.0	1906.0	4.815359
8	2	51.2	20	1430.0	-	5.492605
9	3	75.1	20	1841.0	1484.0	5.879192
10	2	88.5	5	1619.0	-	6.675009
11	1	82.9	10	-	-	7.269580
12	2	99.5	19	1213.0	-	7.677129
13	3	65.8	20	1340.0	1087.0	8.733876
14	2	84.5	6	1805.0	-	9.316778
15	2	83.0	9	1986.0	-	9.604832
16	2	51.1	17	1060.0	-	10.568657
17	1	68.5	9	-	-	10.985624
18	2	80.0	14	1552.0	-	11.840724

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
Table 34 - XN-16 40MHz BW Long Sequence Waveform Trial#17 (Detected)						
0	3	98.9	9	1030.0	1755.0	0.483140
1	1	67.9	15	-	-	1.259037
2	3	72.8	15	1797.0	1863.0	1.631791
3	1	75.8	11	-	-	2.861656
4	2	57.0	13	1885.0	-	3.708289
5	3	68.1	14	1214.0	1094.0	4.029364
6	1	79.5	5	-	-	5.220035
7	3	76.7	9	1935.0	1486.0	6.245688
8	3	77.5	18	1536.0	1709.0	6.816912
9	2	56.3	10	1477.0	-	7.945823
10	2	96.2	8	1479.0	-	8.474397
11	2	94.7	14	1287.0	-	9.334094
12	2	69.5	13	1917.0	-	10.201123
13	2	80.4	18	1195.0	-	10.521552
14	1	99.6	19	-	-	11.565169

Table 35 - XN-16 40MHz BW Long Sequence Waveform Trial#18 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	85.3	6	1647.0	-	0.641352
1	1	80.8	8	-	-	1.683193
2	2	79.6	16	1665.0	-	3.566127
3	2	67.5	10	1510.0	-	4.242850
4	2	87.3	7	1072.0	-	6.275423
5	3	82.6	6	1317.0	1136.0	6.996986
6	2	63.4	15	1535.0	-	8.217550
7	3	60.9	8	1788.0	1523.0	9.368247
8	1	51.5	12	-	-	11.256180

Table 36 - XN-16 40MHz BW Long Sequence Waveform Trial#19 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	94.0	18	1755.0	-	0.618456
1	2	91.1	14	1363.0	-	2.448692
2	2	72.2	14	1181.0	-	3.444071
3	3	50.8	11	1316.0	1197.0	5.016544
4	3	56.5	14	1265.0	1789.0	6.960781
5	1	71.7	14	-	-	8.884906
6	3	87.3	6	1615.0	1254.0	9.361064
7	1	87.6	13	-	-	11.217015

Table 37 - XN-16 40MHz BW Long Sequence Waveform Trial#20 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	62.5	6	1838.0	-	0.432896
1	3	78.1	17	1337.0	1245.0	1.307156
2	2	96.5	13	1354.0	-	1.412316
3	2	61.6	12	1106.0	-	2.281470
4	2	85.1	18	1056.0	-	3.069503
5	2	82.4	11	1639.0	-	3.337756
6	2	75.3	11	1988.0	-	4.397760
7	2	98.8	19	1699.0	-	5.188827
8	1	55.7	10	-	-	5.568197
9	3	82.6	5	1991.0	1635.0	6.658636
10	2	89.9	9	1169.0	-	6.876809
11	3	75.2	11	1533.0	1120.0	7.539030
12	1	65.4	13	-	-	8.031576
13	1	75.1	8	-	-	8.896634
14	2	78.6	9	1407.0	-	9.774785
15	2	63.6	8	1072.0	-	10.014372
16	2	75.2	15	1164.0	-	11.157907
17	2	88.5	7	1731.0	-	11.582695

Table 38 - XN-16 40MHz BW Long Sequence Waveform Trial#21 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	97.8	6	1378.0	-	0.745624
1	3	54.0	7	1694.0	1929.0	1.148881
2	2	57.2	7	1618.0	-	1.782388
3	3	94.3	15	1884.0	1737.0	2.506408
4	2	76.1	15	1045.0	-	3.148943
5	3	82.9	13	1185.0	1307.0	3.897037
6	3	70.9	16	1016.0	1100.0	5.161871
7	3	72.4	20	1757.0	1594.0	5.303687
8	2	85.3	7	1061.0	-	6.710517
9	1	77.4	10	-	-	7.344257
10	2	89.2	7	1260.0	-	8.091426
11	3	63.6	9	1946.0	1490.0	8.750344
12	2	58.7	19	1966.0	-	9.093040
13	2	58.3	17	1008.0	-	10.282158
14	2	82.0	13	1420.0	-	10.720128
15	2	79.8	12	1503.0	-	11.671667

Table 39 - XN-16 40MHz BW Long Sequence Waveform Trial#22 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	53.8	15	1493.0	1880.0	0.558968
1	3	62.8	12	1075.0	1723.0	1.214065
2	2	85.5	9	1476.0	-	2.366591
3	2	84.2	15	1743.0	-	3.215091
4	2	75.2	19	1110.0	-	4.612233
5	2	54.8	18	1915.0	-	5.144479
6	3	63.2	12	1148.0	1004.0	6.418382
7	2	85.6	18	1602.0	-	6.477935
8	2	61.8	7	1684.0	-	7.497132
9	1	86.1	19	-	-	9.060551
10	3	51.5	5	1932.0	1356.0	9.236044
11	2	61.0	13	1315.0	-	10.194879
12	3	91.9	20	1747.0	1311.0	11.442709

Table 40 - XN-16 40MHz BW Long Sequence Waveform Trial#23 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	92.0	8	-	-	0.743695
1	2	87.7	15	1480.0	-	2.151628
2	2	52.9	20	1940.0	-	2.601764
3	3	83.9	13	1335.0	1711.0	4.186139
4	1	64.8	12	-	-	4.835566
5	2	95.0	13	1210.0	-	6.592699
6	1	78.9	6	-	-	7.665265
7	2	58.8	11	1670.0	-	9.288887
8	2	89.5	13	1761.0	-	9.678535
9	2	50.9	19	1917.0	-	11.887200

Table 41 - XN-16 40MHz BW Long Sequence Waveform Trial#24 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	66.9	8	1500.0	-	0.014665
1	2	60.6	5	1753.0	-	1.220035
2	2	60.1	18	1640.0	-	1.757182
3	2	96.9	11	1986.0	-	2.788604
4	1	83.0	13	-	-	3.279779
5	3	72.5	6	1530.0	1215.0	4.240795
6	1	75.8	10	-	-	4.819747
7	3	66.7	20	1844.0	1660.0	5.706694
8	2	74.0	11	1597.0	-	6.232654
9	2	58.0	11	1119.0	-	7.408296
10	1	93.5	15	-	-	7.726760
11	2	68.1	15	1794.0	-	8.572067
12	1	90.5	15	-	-	9.146052
13	2	89.1	11	1185.0	-	9.765119
14	1	58.4	17	-	-	10.840230
15	1	95.7	19	-	-	11.900859

Table 42 - XN-16 40MHz BW Long Sequence Waveform Trial#25 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	97.9	16	1647.0	-	0.691768
1	2	65.3	8	1087.0	-	0.835844
2	3	53.3	12	1958.0	1200.0	1.661844
3	2	78.1	12	1237.0	-	2.652343
4	2	85.2	10	1114.0	-	3.449508
5	2	91.8	13	1851.0	-	3.955912
6	1	88.4	10	-	-	4.736241
7	2	93.4	17	1769.0	-	5.322516
8	3	65.7	19	1766.0	1573.0	6.158313
9	3	93.0	6	1230.0	1538.0	6.823284
10	3	94.6	20	1986.0	1961.0	7.753492
11	2	86.8	19	1659.0	-	8.488958
12	3	88.6	16	1336.0	1752.0	9.136941
13	2	79.7	14	1874.0	-	10.131829
14	2	60.2	14	1836.0	-	10.519482
15	2	75.4	8	1356.0	-	11.818677

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
Table 43 - XN-16 40MHz BW Long Sequence Waveform Trial#26 (Detected)						
0	2	86.1	9	1270.0	-	0.539265
1	2	82.8	18	1774.0	-	1.939627
2	3	81.0	16	1133.0	1058.0	2.667372
3	1	93.7	16	-	-	3.342857
4	3	82.9	14	1619.0	1427.0	5.184809
5	1	58.4	11	-	-	5.737598
6	3	79.9	14	1709.0	1314.0	7.222588
7	3	78.3	7	1866.0	1355.0	8.135883
8	2	79.2	9	1214.0	-	9.757087
9	3	91.3	6	1920.0	1111.0	10.231732
10	2	93.3	19	1691.0	-	11.241325

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
Table 44 - XN-16 40MHz BW Long Sequence Waveform Trial#27 (Detected)						
0	3	98.4	12	1657.0	1193.0	0.082106
1	3	98.7	17	1492.0	1927.0	0.794504
2	1	64.3	16	-	-	1.643212
3	3	92.3	11	1234.0	1486.0	2.481259
4	1	85.4	13	-	-	3.120863
5	1	68.0	12	-	-	3.558688
6	2	76.4	12	1471.0	-	3.839319
7	2	78.4	10	1424.0	-	4.442526
8	1	64.1	13	-	-	5.095606
9	1	86.2	14	-	-	6.122939
10	3	87.1	7	1652.0	1838.0	6.372126
11	2	67.1	10	1296.0	-	7.116476
12	2	54.5	6	1321.0	-	7.773533
13	1	63.0	10	-	-	8.641231
14	2	97.4	15	1493.0	-	9.061404
15	2	95.9	6	1429.0	-	9.756541
16	3	84.5	9	1245.0	1738.0	10.703756
17	2	78.2	5	1264.0	-	10.984424
18	2	86.1	8	1973.0	-	11.714827

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
Table 45 - XN-16 40MHz BW Long Sequence Waveform Trial#28 (NOT Detected)						
0	3	75.0	10	1349.0	1055.0	1.012688
1	1	86.1	6	-	-	1.821132
2	3	63.3	7	1477.0	1935.0	2.701059
3	3	58.4	14	1838.0	1650.0	5.050024
4	2	96.0	9	1149.0	-	6.531780
5	2	60.1	18	1455.0	-	7.558209
6	2	77.3	7	1554.0	-	8.506081
7	3	70.8	10	1853.0	1815.0	10.146325
8	3	50.4	6	1371.0	1883.0	10.909419

Table 46 - XN-16 40MHz BW Long Sequence Waveform Trial#29 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	94.3	16	1654.0	-	0.904684
1	2	95.6	17	1736.0	-	1.735486
2	2	88.7	19	1898.0	-	3.749000
3	1	93.3	6	-	-	4.224675
4	2	99.0	17	1282.0	-	6.093257
5	2	95.1	8	1439.0	-	7.103657
6	3	95.6	15	1691.0	1808.0	8.527660
7	3	79.2	8	1167.0	1475.0	9.382593
8	1	86.8	19	-	-	11.089256

Table 47 - XN-16 40MHz BW Long Sequence Waveform Trial#30 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	94.5	16	1066.0	-	0.535931
1	2	73.1	15	1790.0	-	1.372260
2	2	87.7	8	1388.0	-	2.869005
3	2	91.0	9	1380.0	-	3.348017
4	3	75.7	14	1380.0	1472.0	5.177714
5	3	70.0	12	1755.0	1368.0	5.865796
6	2	78.8	20	1806.0	-	7.026316
7	2	93.2	11	1446.0	-	8.175115
8	2	72.6	6	1252.0	-	9.565816
9	2	74.8	12	1234.0	-	10.632095
10	3	99.6	16	1389.0	1377.0	11.285845

Table 48 - XN-16 40MHz BW Long Sequence Waveform Trial#31 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	95.9	13	1164.0	1414.0	0.492166
1	2	81.1	10	1789.0	-	1.237281
2	2	50.3	16	1692.0	-	1.746606
3	2	92.6	7	1244.0	-	2.481693
4	3	67.8	19	1805.0	1749.0	3.159581
5	1	74.1	8	-	-	3.902046
6	3	69.0	6	1691.0	1569.0	4.340486
7	1	99.0	10	-	-	5.198075
8	3	68.3	8	1873.0	1399.0	5.835331
9	1	72.5	17	-	-	6.613656
10	1	55.5	6	-	-	7.156700
11	2	98.8	11	1476.0	-	7.840692
12	2	66.4	5	1659.0	-	8.648176
13	2	60.4	6	1061.0	-	8.975163
14	2	61.8	17	1634.0	-	9.396101
15	2	85.3	13	1572.0	-	10.177246
16	1	67.4	11	-	-	11.018153
17	2	86.7	18	1737.0	-	11.748301

Table 49 - FCC Short Pulse Radar (Type 1) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
1	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
2	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
3	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
4	18	1.0	1428.0	No	5320.0MHz, -64.0dBm	N/A
5	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
6	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
7	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
8	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
9	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
10	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
11	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
12	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
13	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
14	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
15	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
16	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
17	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
18	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
19	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
20	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
21	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
22	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
23	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
24	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A

Table 49						
Table 49 - FCC Short Pulse Radar (Type 1) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
25	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
26	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
27	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
28	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A
29	18	1.0	1428.0	Yes	5320.0MHz, -64.0dBm	N/A

Table 50 - FCC Short Pulse Radar (Type 2) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	25	1.1	219.0	Yes	5320.0MHz, -64.0dBm	N/A
1	28	3.0	197.0	Yes	5320.0MHz, -64.0dBm	N/A
2	25	1.7	207.0	Yes	5320.0MHz, -64.0dBm	N/A
3	26	2.7	159.0	Yes	5320.0MHz, -64.0dBm	N/A
4	28	1.0	162.0	Yes	5320.0MHz, -64.0dBm	N/A
5	26	2.1	218.0	Yes	5320.0MHz, -64.0dBm	N/A
6	26	2.1	208.0	Yes	5320.0MHz, -64.0dBm	N/A
7	24	1.8	218.0	Yes	5320.0MHz, -64.0dBm	N/A
8	28	3.4	196.0	Yes	5320.0MHz, -64.0dBm	N/A
9	29	4.5	192.0	Yes	5320.0MHz, -64.0dBm	N/A
10	25	4.5	177.0	Yes	5320.0MHz, -64.0dBm	N/A
11	24	2.9	226.0	No	5320.0MHz, -64.0dBm	N/A
12	24	3.6	151.0	Yes	5320.0MHz, -64.0dBm	N/A
13	27	1.2	166.0	No	5320.0MHz, -64.0dBm	N/A
14	26	3.8	167.0	Yes	5320.0MHz, -64.0dBm	N/A
15	26	4.3	196.0	Yes	5320.0MHz, -64.0dBm	N/A
16	27	4.9	230.0	Yes	5320.0MHz, -64.0dBm	N/A
17	26	3.9	183.0	Yes	5320.0MHz, -64.0dBm	N/A

Table 50 - FCC Short Pulse Radar (Type 2) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
18	25	1.7	156.0	Yes	5320.0MHz, -64.0dBm	N/A
19	25	2.3	190.0	Yes	5320.0MHz, -64.0dBm	N/A
20	25	1.2	190.0	Yes	5320.0MHz, -64.0dBm	N/A
21	25	2.6	164.0	Yes	5320.0MHz, -64.0dBm	N/A
22	27	2.2	168.0	No	5320.0MHz, -64.0dBm	N/A
23	25	4.6	193.0	Yes	5320.0MHz, -64.0dBm	N/A
24	28	3.3	228.0	No	5320.0MHz, -64.0dBm	N/A
25	24	3.1	170.0	No	5320.0MHz, -64.0dBm	N/A
26	26	3.1	175.0	No	5320.0MHz, -64.0dBm	N/A
27	28	3.1	226.0	No	5320.0MHz, -64.0dBm	N/A
28	27	2.3	202.0	Yes	5320.0MHz, -64.0dBm	N/A
29	27	1.4	170.0	Yes	5320.0MHz, -64.0dBm	N/A
30	25	3.8	190.0	Yes	5320.0MHz, -64.0dBm	N/A

Table 51 - FCC Short Pulse Radar (Type 3) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	18	7.6	216.0	Yes	5320.0MHz, -64.0dBm	N/A
1	18	9.4	368.0	Yes	5320.0MHz, -64.0dBm	N/A
2	18	9.3	247.0	Yes	5320.0MHz, -64.0dBm	N/A
3	18	7.4	213.0	No	5320.0MHz, -64.0dBm	N/A
4	16	6.4	219.0	Yes	5320.0MHz, -64.0dBm	N/A
5	17	10.0	293.0	Yes	5320.0MHz, -64.0dBm	N/A
6	17	6.7	223.0	Yes	5320.0MHz, -64.0dBm	N/A
7	17	7.9	337.0	No	5320.0MHz, -64.0dBm	N/A
8	18	7.4	237.0	Yes	5320.0MHz, -64.0dBm	N/A
9	17	8.0	382.0	Yes	5320.0MHz, -64.0dBm	N/A
10	17	9.7	221.0	Yes	5320.0MHz, -64.0dBm	N/A
11	17	7.0	498.0	Yes	5320.0MHz, -64.0dBm	N/A
12	18	6.8	417.0	Yes	5320.0MHz, -64.0dBm	N/A
13	18	8.0	488.0	Yes	5320.0MHz, -64.0dBm	N/A
14	18	9.4	351.0	Yes	5320.0MHz, -64.0dBm	N/A
15	18	9.4	225.0	Yes	5320.0MHz, -64.0dBm	N/A
16	18	6.5	473.0	Yes	5320.0MHz, -64.0dBm	N/A
17	17	7.5	498.0	Yes	5320.0MHz, -64.0dBm	N/A
18	16	6.6	378.0	Yes	5320.0MHz, -64.0dBm	N/A
19	17	7.8	443.0	No	5320.0MHz, -64.0dBm	N/A
20	17	8.4	275.0	Yes	5320.0MHz, -64.0dBm	N/A
21	16	8.2	212.0	Yes	5320.0MHz, -64.0dBm	N/A
22	17	8.8	222.0	Yes	5320.0MHz, -64.0dBm	N/A
23	17	6.4	439.0	Yes	5320.0MHz, -64.0dBm	N/A
24	17	8.2	424.0	Yes	5320.0MHz, -64.0dBm	N/A

Table 51 - FCC Short Pulse Radar (Type 3) Results XN-16 20MHz BW

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
25	17	8.0	475.0	Yes	5320.0MHz, -64.0dBm	N/A
26	17	9.4	260.0	Yes	5320.0MHz, -64.0dBm	N/A
27	16	8.0	209.0	Yes	5320.0MHz, -64.0dBm	N/A
28	17	7.0	230.0	No	5320.0MHz, -64.0dBm	N/A
29	18	8.7	212.0	Yes	5320.0MHz, -64.0dBm	N/A

Table 52 - FCC Short Pulse Radar (Type 4) Results XN-16 20MHz BW

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	13	18.6	468.0	No	5320.0MHz, -64.0dBm	N/A
1	12	16.9	216.0	Yes	5320.0MHz, -64.0dBm	N/A
2	16	15.7	417.0	Yes	5320.0MHz, -64.0dBm	N/A
3	13	13.4	372.0	Yes	5320.0MHz, -64.0dBm	N/A
4	12	13.5	293.0	No	5320.0MHz, -64.0dBm	N/A
5	14	18.0	227.0	Yes	5320.0MHz, -64.0dBm	N/A
6	13	16.6	318.0	No	5320.0MHz, -64.0dBm	N/A
7	15	13.8	371.0	Yes	5320.0MHz, -64.0dBm	N/A
8	15	16.1	313.0	Yes	5320.0MHz, -64.0dBm	N/A
9	14	17.0	444.0	No	5320.0MHz, -64.0dBm	N/A
10	12	15.7	344.0	Yes	5320.0MHz, -64.0dBm	N/A
11	15	16.2	239.0	Yes	5320.0MHz, -64.0dBm	N/A
12	15	12.0	350.0	Yes	5320.0MHz, -64.0dBm	N/A
13	12	18.5	247.0	No	5320.0MHz, -64.0dBm	N/A
14	14	15.5	307.0	Yes	5320.0MHz, -64.0dBm	N/A
15	12	16.7	496.0	Yes	5320.0MHz, -64.0dBm	N/A
16	14	19.0	264.0	Yes	5320.0MHz, -64.0dBm	N/A
17	16	16.0	257.0	Yes	5320.0MHz, -64.0dBm	N/A

Table 52 - FCC Short Pulse Radar (Type 4) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
18	16	12.3	460.0	No	5320.0MHz, -64.0dBm	N/A
19	15	17.8	362.0	No	5320.0MHz, -64.0dBm	N/A
20	15	12.0	337.0	Yes	5320.0MHz, -64.0dBm	N/A
21	15	19.2	219.0	Yes	5320.0MHz, -64.0dBm	N/A
22	13	15.9	242.0	No	5320.0MHz, -64.0dBm	N/A
23	13	18.0	354.0	Yes	5320.0MHz, -64.0dBm	N/A
24	13	16.8	295.0	Yes	5320.0MHz, -64.0dBm	N/A
25	15	12.2	488.0	Yes	5320.0MHz, -64.0dBm	N/A
26	13	11.4	456.0	Yes	5320.0MHz, -64.0dBm	N/A
27	14	11.2	464.0	Yes	5320.0MHz, -64.0dBm	N/A
28	14	15.9	482.0	No	5320.0MHz, -64.0dBm	N/A
29	15	18.7	224.0	No	5320.0MHz, -64.0dBm	N/A

Table 53 - Long Sequence Waveform Summary XN-16 20MHz BW		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5320.0MHz, -64.0dBm
Trial #2	Detected	5320.0MHz, -64.0dBm
Trial #3	Detected	5320.0MHz, -64.0dBm
Trial #4	Detected	5320.0MHz, -64.0dBm
Trial #5	Detected	5320.0MHz, -64.0dBm
Trial #6	Detected	5320.0MHz, -64.0dBm
Trial #7	Detected	5320.0MHz, -64.0dBm
Trial #8	Detected	5320.0MHz, -64.0dBm
Trial #9	Detected	5320.0MHz, -64.0dBm
Trial #10	Detected	5320.0MHz, -64.0dBm
Trial #11	Detected	5320.0MHz, -64.0dBm
Trial #12	Detected	5320.0MHz, -64.0dBm

Table 53 - Long Sequence Waveform Summary XN-16 20MHz BW		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #13	Detected	5320.0MHz, -64.0dBm
Trial #14	Detected	5320.0MHz, -64.0dBm
Trial #15	Detected	5320.0MHz, -64.0dBm
Trial #16	Detected	5320.0MHz, -64.0dBm
Trial #17	Detected	5320.0MHz, -64.0dBm
Trial #18	Detected	5320.0MHz, -64.0dBm
Trial #19	Detected	5320.0MHz, -64.0dBm
Trial #20	Detected	5320.0MHz, -64.0dBm
Trial #21	Detected	5320.0MHz, -64.0dBm
Trial #22	Detected	5320.0MHz, -64.0dBm
Trial #23	Detected	5320.0MHz, -64.0dBm
Trial #24	Detected	5320.0MHz, -64.0dBm
Trial #25	Detected	5320.0MHz, -64.0dBm
Trial #26	Detected	5320.0MHz, -64.0dBm
Trial #27	Detected	5320.0MHz, -64.0dBm
Trial #28	Detected	5320.0MHz, -64.0dBm
Trial #29	Detected	5320.0MHz, -64.0dBm
Trial #30	Detected	5320.0MHz, -64.0dBm

Table 54 - XN-16 20MHz BW Long Sequence Waveform Trial#1 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	95.6	6	-	-	0.692176
1	2	84.7	7	1760.0	-	1.799107
2	2	60.4	19	1400.0	-	2.411227
3	2	91.3	7	1956.0	-	3.184920
4	2	79.2	6	1816.0	-	4.066019
5	1	98.8	17	-	-	5.053091
6	3	58.3	12	1141.0	1216.0	6.177724
7	3	91.1	17	1447.0	1739.0	7.313990
8	3	83.5	20	1039.0	1827.0	7.478815
9	3	54.8	20	1854.0	1073.0	9.212780
10	1	84.5	14	-	-	9.381468
11	2	86.2	20	1639.0	-	10.694153
12	2	76.7	11	1022.0	-	11.279184

Table 55 - XN-16 20MHz BW Long Sequence Waveform Trial#2 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	86.4	10	1420.0	1767.0	0.705190
1	2	55.2	7	1134.0	-	1.531978
2	1	55.7	16	-	-	2.113204
3	1	76.4	8	-	-	3.217329
4	3	61.0	20	1638.0	1603.0	4.699388
5	2	79.4	13	1131.0	-	5.166223
6	1	92.0	20	-	-	6.811595
7	1	52.3	6	-	-	7.554663
8	1	95.6	13	-	-	8.966832
9	3	62.8	18	1373.0	1549.0	9.881956
10	2	66.3	10	1752.0	-	10.448005
11	2	62.6	5	1111.0	-	11.449078

Table 56 - XN-16 20MHz BW Long Sequence Waveform Trial#3 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	66.6	8	1990.0	-	0.779968
1	2	99.1	11	1450.0	-	1.341745
2	3	56.8	7	1300.0	1083.0	2.191993
3	1	66.5	12	-	-	3.177522
4	3	80.1	8	1624.0	1190.0	4.396573
5	2	97.4	5	1226.0	-	5.376460
6	2	59.6	10	1393.0	-	5.666572
7	1	65.9	10	-	-	7.156902
8	2	88.0	19	1468.0	-	7.529808
9	1	61.5	13	-	-	9.132999
10	2	95.7	18	1765.0	-	9.259785
11	3	98.0	16	1331.0	1780.0	10.399576
12	1	99.2	17	-	-	11.356884

Table 57 - XN-16 20MHz BW Long Sequence Waveform Trial#4 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	78.2	11	-	-	0.373200
1	3	89.6	20	1579.0	1265.0	1.202794
2	1	90.1	17	-	-	1.283864
3	3	67.7	6	1995.0	1726.0	2.102448
4	3	68.1	7	1031.0	1965.0	2.559225
5	1	87.7	12	-	-	3.423168
6	1	74.7	7	-	-	3.881307
7	3	55.1	16	1282.0	1552.0	5.047055
8	2	99.4	6	1521.0	-	5.462797
9	3	97.6	15	1654.0	1889.0	6.195897
10	1	95.5	16	-	-	6.442484
11	2	66.6	17	1506.0	-	7.122787
12	1	75.4	10	-	-	7.758630
13	1	78.2	16	-	-	8.589134
14	3	78.8	10	1187.0	1733.0	9.344199
15	2	94.2	18	1852.0	-	10.059701

Table 57 - XN-16 20MHz BW Long Sequence Waveform Trial#4 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
16	1	51.3	8	-	-	10.185750
17	2	66.0	19	1320.0	-	10.863280
18	3	52.9	12	1522.0	1071.0	11.926605

Table 58 - XN-16 20MHz BW Long Sequence Waveform Trial#5 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	65.9	12	1266.0	1808.0	0.055177
1	2	82.7	11	1225.0	-	1.385176
2	3	54.7	9	1539.0	1104.0	1.934357
3	2	52.1	18	1231.0	-	2.828997
4	2	59.8	10	1105.0	-	3.515044
5	3	70.1	16	1267.0	1908.0	5.043731
6	2	89.9	12	1083.0	-	5.942241
7	3	74.2	14	1785.0	1352.0	6.475334
8	2	91.8	10	1099.0	-	7.427446
9	1	77.6	7	-	-	8.286612
10	2	89.8	17	1097.0	-	9.063022
11	3	75.0	16	1387.0	1172.0	9.659531
12	2	63.8	8	1127.0	-	11.131065
13	3	96.0	12	1636.0	1113.0	11.647779

Table 59 - XN-16 20MHz BW Long Sequence Waveform Trial#6 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	93.7	18	-	-	0.184212
1	1	92.8	8	-	-	1.244648
2	3	59.3	10	1006.0	1060.0	2.065198
3	2	68.2	18	1759.0	-	3.189380
4	2	76.7	13	1403.0	-	4.065982
5	2	97.5	14	1344.0	-	5.379017
6	2	79.1	7	1586.0	-	5.895941
7	3	67.6	9	1321.0	1802.0	6.486721
8	2	89.1	5	1055.0	-	7.514979
9	3	54.0	14	1662.0	1248.0	8.953646
10	2	74.2	10	1218.0	-	9.747306
11	2	72.3	16	1240.0	-	10.220926
12	2	63.1	10	1092.0	-	11.518663

Table 60 - XN-16 20MHz BW Long Sequence Waveform Trial#7 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	64.3	9	-	-	0.416570
1	3	70.8	5	1439.0	1508.0	1.203114
2	1	82.5	7	-	-	2.568796
3	2	79.4	10	1284.0	-	2.963095
4	2	96.9	6	1203.0	-	3.751283
5	2	99.7	9	1507.0	-	4.375303
6	1	95.2	10	-	-	5.685165

				Table 60 - XN-16 20MHz BW Long Sequence Waveform Trial#7 (Detected)		
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
7	2	70.8	12	1286.0	-	6.024480
8	1	53.3	12	-	-	7.283685
9	2	59.1	11	1071.0	-	8.115652
10	3	52.6	11	1448.0	1659.0	9.138714
11	2	84.1	5	1182.0	-	9.893995
12	1	71.2	7	-	-	10.997062
13	2	80.2	15	1925.0	-	11.888009

				Table 61 - XN-16 20MHz BW Long Sequence Waveform Trial#8 (Detected)		
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	56.9	13	-	-	0.668121
1	1	61.4	9	-	-	1.613594
2	2	70.1	19	1267.0	-	2.414172
3	2	85.0	7	1774.0	-	3.510695
4	3	98.0	9	1495.0	1359.0	3.828791
5	3	74.5	16	1100.0	1306.0	5.149392
6	2	53.7	12	1395.0	-	6.392615
7	2	98.7	16	1163.0	-	7.367184
8	2	86.5	15	1147.0	-	7.638058
9	2	54.3	14	1801.0	-	9.088122
10	1	51.5	10	-	-	10.020470
11	2	90.8	11	1625.0	-	10.250389
12	3	88.8	10	1653.0	1278.0	11.083111

				Table 62 - XN-16 20MHz BW Long Sequence Waveform Trial#9 (Detected)		
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	91.7	15	-	-	0.252337
1	2	56.6	20	1434.0	-	0.789652
2	3	87.3	16	1870.0	1359.0	1.826290
3	2	87.9	15	1204.0	-	2.317896
4	3	91.5	14	1281.0	1846.0	2.710929
5	2	83.9	15	1525.0	-	3.649446
6	1	50.1	6	-	-	4.281959
7	3	89.2	8	1401.0	1582.0	4.714888
8	2	70.3	17	1601.0	-	5.671834
9	1	75.0	10	-	-	6.184836
10	3	97.7	19	1049.0	1986.0	6.665399
11	3	75.7	7	1701.0	1879.0	7.252825
12	2	57.4	7	1881.0	-	7.644441
13	3	58.5	15	1209.0	1217.0	8.631408
14	2	80.2	20	1489.0	-	9.395796
15	2	72.5	9	1868.0	-	9.605954
16	2	73.6	16	1311.0	-	10.702187
17	1	86.8	13	-	-	10.898393
18	2	53.8	8	1676.0	-	11.899961

Table 63 - XN-16 20MHz BW Long Sequence Waveform Trial#10 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	52.6	16	1353.0	1465.0	0.489444
1	3	73.0	17	1028.0	1913.0	1.314220
2	3	93.2	16	1482.0	1332.0	1.453484
3	1	68.7	19	-	-	2.682399
4	1	73.4	17	-	-	3.276963
5	1	75.4	18	-	-	3.851140
6	2	74.1	12	1567.0	-	4.438779
7	3	58.6	16	1765.0	1079.0	5.487957
8	2	72.2	10	1429.0	-	5.841928
9	1	73.8	19	-	-	7.028334
10	3	68.2	12	1037.0	1205.0	7.563906
11	2	88.6	8	1912.0	-	8.112998
12	3	71.4	9	1271.0	1057.0	9.096612
13	2	89.7	8	1311.0	-	9.365235
14	3	56.5	14	1142.0	1002.0	9.991646
15	3	80.2	11	1611.0	1248.0	11.159292
16	2	53.4	7	1646.0	-	11.553401

Table 64 - XN-16 20MHz BW Long Sequence Waveform Trial#11 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	67.6	19	1479.0	-	0.438630
1	1	68.3	9	-	-	0.809249
2	2	87.9	17	1892.0	-	1.855910
3	3	52.8	8	1850.0	1696.0	2.131029
4	2	67.0	13	1640.0	-	2.544705
5	2	93.4	7	1744.0	-	3.393209
6	1	82.6	13	-	-	3.987407
7	2	72.9	16	1417.0	-	4.665623
8	3	75.4	16	1807.0	1207.0	5.630007
9	3	99.0	18	1897.0	1966.0	6.020671
10	3	51.4	9	1105.0	1790.0	6.664812
11	2	82.0	11	1043.0	-	7.108053
12	2	50.7	10	1466.0	-	8.018868
13	3	86.4	17	1505.0	1177.0	8.278658
14	2	91.2	16	1095.0	-	9.334361
15	1	88.8	16	-	-	9.488819
16	3	93.7	11	1935.0	1536.0	10.709649
17	3	87.6	18	1830.0	1633.0	11.280734
18	3	62.9	6	1509.0	1358.0	11.763796

Table 65 - XN-16 20MHz BW Long Sequence Waveform Trial#12 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	72.1	13	-	-	0.268587
1	3	90.6	18	1879.0	1335.0	1.027104
2	3	74.3	12	1903.0	1949.0	2.076024
3	2	62.4	15	1577.0	-	2.482297
4	3	96.9	6	1685.0	1158.0	3.950642

Table 65 - XN-16 20MHz BW Long Sequence Waveform Trial#12 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
5	1	66.4	18	-	-	4.276617
6	2	95.9	8	1950.0	-	5.332659
7	3	50.7	10	1650.0	1080.0	5.783371
8	2	66.4	15	1815.0	-	6.629371
9	1	76.3	6	-	-	7.607681
10	2	59.0	19	1710.0	-	8.699239
11	1	56.1	8	-	-	9.013922
12	1	62.4	7	-	-	10.117602
13	1	94.0	19	-	-	10.744167
14	2	55.1	19	1851.0	-	11.629452

Table 66 - XN-16 20MHz BW Long Sequence Waveform Trial#13 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	63.5	10	1151.0	-	0.003581
1	2	76.9	20	1195.0	-	1.432490
2	2	83.5	15	1278.0	-	2.336813
3	3	89.7	15	1532.0	1794.0	3.604636
4	3	61.3	16	1010.0	1527.0	4.625732
5	1	86.4	20	-	-	5.930129
6	2	98.0	10	1558.0	-	6.585588
7	2	92.7	16	1849.0	-	8.521433
8	1	79.4	10	-	-	8.978386
9	3	69.3	13	1017.0	1046.0	9.996753
10	2	95.2	19	1966.0	-	11.251470

Table 67 - XN-16 20MHz BW Long Sequence Waveform Trial#14 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	51.1	10	-	-	0.064426
1	3	93.9	10	1748.0	1520.0	1.287541
2	2	81.0	6	1379.0	-	2.060816
3	2	87.1	11	1194.0	-	2.564255
4	2	60.0	10	1021.0	-	2.840990
5	1	89.4	12	-	-	4.065613
6	1	64.8	18	-	-	4.259297
7	2	67.8	12	1827.0	-	5.309502
8	2	82.7	16	1141.0	-	6.043894
9	2	90.4	8	1115.0	-	6.874456
10	3	82.9	9	1256.0	1412.0	7.573150
11	3	56.1	14	1158.0	1914.0	7.869270
12	2	76.7	13	1392.0	-	9.080035
13	2	77.3	11	1921.0	-	9.844643
14	2	86.7	13	1867.0	-	10.155271
15	1	93.0	10	-	-	11.269986
16	2	66.1	18	1153.0	-	11.699949

Table 68 - XN-16 20MHz BW Long Sequence Waveform Trial#15 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	91.0	11	1053.0	1238.0	0.035767
1	2	88.1	12	1524.0	-	1.407576
2	1	54.6	13	-	-	1.601133
3	1	93.7	5	-	-	2.263230
4	2	77.4	11	1601.0	-	3.124851
5	3	51.6	16	1615.0	1900.0	3.653856
6	1	90.7	5	-	-	4.698702
7	1	52.3	14	-	-	4.952445
8	3	54.4	9	1235.0	1615.0	6.161415
9	3	91.2	17	1388.0	1989.0	6.428311
10	2	73.1	10	1386.0	-	7.631560
11	3	79.3	8	1554.0	1882.0	8.361892
12	1	85.7	16	-	-	8.562921
13	2	86.7	10	1640.0	-	9.570386
14	2	54.1	20	1864.0	-	10.546036
15	3	55.3	19	1010.0	1901.0	10.969104
16	1	68.5	11	-	-	11.328562

Table 69 - XN-16 20MHz BW Long Sequence Waveform Trial#16 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	51.2	14	1631.0	-	0.830041
1	2	96.9	12	1900.0	-	2.436929
2	2	57.1	15	1952.0	-	3.449730
3	2	77.3	7	1914.0	-	4.346002
4	2	89.5	8	1391.0	-	6.450662
5	1	63.5	17	-	-	7.005010
6	2	69.3	12	1804.0	-	8.397438
7	2	50.6	16	1771.0	-	9.744292
8	1	55.0	8	-	-	11.051415

Table 70 - XN-16 20MHz BW Long Sequence Waveform Trial#17 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	63.2	19	1025.0	-	1.403373
1	2	75.1	6	1866.0	-	2.194623
2	2	97.7	14	1360.0	-	3.159866
3	3	52.4	8	1314.0	1088.0	5.585019
4	2	60.2	18	1266.0	-	6.989760
5	2	69.0	18	1534.0	-	8.043500
6	2	52.0	11	1812.0	-	10.009534
7	2	54.7	8	1931.0	-	10.876338

Table 71 - XN-16 20MHz BW Long Sequence Waveform Trial#18 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	54.2	7	-	-	0.858431
1	3	84.5	9	1797.0	1887.0	1.401787
2	1	77.2	9	-	-	2.956308
3	1	71.3	13	-	-	4.145633
4	2	72.6	18	1007.0	-	6.163467
5	1	61.2	12	-	-	6.846352
6	3	88.6	5	1060.0	1762.0	9.118902
7	2	75.9	15	1326.0	-	10.430332
8	2	81.0	11	1335.0	-	11.308716

Table 72 - XN-16 20MHz BW Long Sequence Waveform Trial#19 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	97.1	20	1130.0	-	0.161713
1	1	82.1	8	-	-	0.896847
2	2	74.0	13	1897.0	-	1.450544
3	3	53.5	12	1931.0	1599.0	1.972478
4	2	77.7	8	1120.0	-	2.960384
5	2	81.3	16	1871.0	-	3.206349
6	2	97.6	18	1395.0	-	3.958767
7	2	57.2	15	1614.0	-	4.422882
8	2	54.7	11	1808.0	-	5.270737
9	2	65.2	8	1501.0	-	6.135927
10	2	84.4	19	1130.0	-	6.536837
11	1	74.2	9	-	-	7.006901
12	2	67.5	15	1601.0	-	8.112853
13	3	70.3	15	1567.0	1951.0	8.644505
14	3	51.5	17	1681.0	1484.0	9.457929
15	2	79.0	6	1716.0	-	10.007076
16	2	61.3	5	1827.0	-	10.590945
17	1	98.0	8	-	-	10.990049
18	3	50.3	10	1418.0	1319.0	11.578854

Table 73 - XN-16 20MHz BW Long Sequence Waveform Trial#20 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	98.7	10	1842.0	-	0.572982
1	1	63.5	10	-	-	1.256915
2	2	57.5	12	1022.0	-	1.531419
3	2	81.6	9	1331.0	-	2.659577
4	2	58.5	15	1378.0	-	3.008860
5	3	85.7	18	1773.0	1725.0	3.983942
6	3	73.5	16	1424.0	1872.0	4.551181
7	3	67.2	18	1100.0	1592.0	5.271398
8	3	80.6	8	1028.0	1322.0	5.800781
9	1	70.8	13	-	-	7.057106
10	2	53.1	19	1954.0	-	7.380731
11	3	77.6	16	1926.0	1825.0	8.017339
12	2	70.7	12	1579.0	-	8.653762
13	2	97.2	17	1128.0	-	9.858444
14	2	64.3	9	1198.0	-	10.492244
15	3	68.1	15	1272.0	1615.0	10.923294
16	2	71.0	13	1004.0	-	11.985677

Table 74 - XN-16 20MHz BW Long Sequence Waveform Trial#21 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	93.7	13	1729.0	1783.0	0.039847
1	2	94.2	5	1347.0	-	1.378332
2	3	62.9	6	1784.0	1915.0	2.045500
3	2	63.4	12	1500.0	-	2.663492
4	3	73.1	6	1903.0	1213.0	3.380843
5	2	67.5	10	1104.0	-	3.945852
6	1	61.3	10	-	-	5.067742
7	3	80.9	8	1150.0	1066.0	5.599029
8	3	76.7	10	1766.0	1786.0	6.079918
9	2	97.1	13	1568.0	-	6.809912
10	2	51.9	9	1949.0	-	7.671405
11	3	75.9	5	1828.0	1520.0	8.431794
12	3	78.5	7	1826.0	1640.0	9.614651
13	1	58.3	8	-	-	10.404961
14	3	96.8	14	1844.0	1870.0	10.688843
15	1	88.2	15	-	-	11.895559

Table 75 - XN-16 20MHz BW Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	62.9	19	-	-	0.069790
1	2	95.4	19	1942.0	-	1.914654
2	3	63.5	11	1563.0	1832.0	2.774816
3	2	90.9	8	1542.0	-	3.963810
4	2	63.0	18	1388.0	-	4.395509
5	2	68.7	7	1150.0	-	6.102209
6	1	96.3	17	-	-	6.599496
7	2	99.8	10	1446.0	-	8.049370

Table 75 - XN-16 20MHz BW Long Sequence Waveform Trial#22 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
8	2	81.4	8	1443.0	-	9.652641
9	1	94.6	9	-	-	10.045813
10	2	63.7	19	1789.0	-	11.431529

Table 76 - XN-16 20MHz BW Long Sequence Waveform Trial#23 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	90.9	10	1709.0	-	0.471596
1	2	62.5	13	1559.0	-	1.056630
2	3	67.3	18	1092.0	1352.0	1.559792
3	2	60.6	12	1035.0	-	2.601539
4	2	55.8	6	1971.0	-	3.391478
5	1	99.0	11	-	-	3.782518
6	2	88.9	10	1406.0	-	4.849902
7	2	52.5	16	1684.0	-	5.187803
8	3	74.6	16	1238.0	1253.0	5.696293
9	2	78.6	6	1965.0	-	6.987716
10	2	50.3	17	1779.0	-	7.333454
11	1	79.0	18	-	-	8.072917
12	2	76.9	18	1830.0	-	8.798450
13	2	77.8	14	1555.0	-	9.286082
14	2	64.0	20	1498.0	-	10.045847
15	2	96.5	15	1786.0	-	11.076279
16	3	51.0	6	1910.0	1999.0	11.455712

Table 77 - XN-16 20MHz BW Long Sequence Waveform Trial#24 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	58.2	13	1161.0	-	0.537056
1	2	83.3	9	1804.0	-	0.972659
2	1	96.4	11	-	-	1.925740
3	2	51.0	12	1923.0	-	2.915571
4	3	55.9	6	1235.0	1814.0	3.891532
5	2	59.8	9	1787.0	-	4.184880
6	2	99.6	16	1961.0	-	4.991659
7	2	50.3	18	1541.0	-	6.002401
8	3	98.1	6	1849.0	1808.0	6.437548
9	3	85.4	18	1679.0	1425.0	7.734186
10	1	63.7	17	-	-	8.225594
11	2	68.6	5	1871.0	-	8.812570
12	2	50.5	14	1189.0	-	9.626960
13	2	99.8	7	1393.0	-	11.156436
14	2	53.9	7	1141.0	-	11.379570

Table 78 - XN-16 20MHz BW Long Sequence Waveform Trial#25 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	92.2	7	1138.0	1308.0	0.721615
1	2	62.7	14	1923.0	-	1.741782
2	2	62.3	10	1131.0	-	1.860346
3	2	60.7	19	1049.0	-	2.827496
4	2	76.6	18	1262.0	-	3.831156
5	2	86.0	5	1597.0	-	5.195700
6	2	57.5	6	1017.0	-	6.423335
7	2	69.1	14	1602.0	-	7.311468
8	1	63.5	19	-	-	7.702524
9	2	78.8	7	1538.0	-	8.378251
10	3	92.8	12	1894.0	1268.0	9.261734
11	2	68.3	6	1730.0	-	10.227192
12	2	67.4	7	1887.0	-	11.156166

Table 79 - XN-16 20MHz BW Long Sequence Waveform Trial#26 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	96.5	17	1409.0	1039.0	0.527964
1	1	76.7	7	-	-	1.324534
2	3	95.7	11	1971.0	1132.0	1.818748
3	3	68.4	17	1718.0	1777.0	2.192722
4	2	61.0	10	1317.0	-	3.250323
5	2	55.7	10	1508.0	-	3.454247
6	2	64.5	6	1718.0	-	4.126831
7	3	69.5	17	1659.0	1674.0	4.773892
8	2	88.8	10	1962.0	-	5.629033
9	1	61.6	6	-	-	6.174610
10	2	81.9	18	1146.0	-	7.034376
11	3	90.3	15	1528.0	1930.0	7.543031
12	3	60.7	8	1653.0	1908.0	8.606939
13	3	71.6	6	1717.0	1792.0	9.255973
14	2	78.0	9	1207.0	-	9.991585
15	2	74.9	14	1480.0	-	10.165509
16	2	90.9	11	1694.0	-	11.227836
17	1	59.3	7	-	-	11.846986

Table 80 - XN-16 20MHz BW Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	98.0	13	1933.0	1503.0	0.247447
1	2	60.5	16	1524.0	-	2.094909
2	2	73.4	11	1981.0	-	3.182451
3	3	59.7	20	1129.0	1825.0	4.675177
4	3	70.0	18	1815.0	1703.0	7.212390
5	3	60.8	17	1992.0	1317.0	8.147678
6	1	96.4	9	-	-	10.293182
7	1	57.6	15	-	-	11.216727

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	72.9	18	1503.0	-	0.336402
1	2	68.5	19	1645.0	-	2.013457
2	2	53.2	14	1531.0	-	2.847765
3	1	82.5	14	-	-	4.003108
4	1	77.7	9	-	-	5.333355
5	3	74.4	19	1864.0	1002.0	6.504201
6	2	71.8	6	1533.0	-	8.371162
7	1	70.0	9	-	-	8.920444
8	2	63.3	14	1807.0	-	10.177572
9	2	66.3	8	1759.0	-	11.154243

Table 81 - XN-16 20MHz BW Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	62.4	17	1179.0	-	0.602854
1	3	66.8	8	1482.0	1888.0	2.585396
2	2	60.3	5	1038.0	-	2.872793
3	1	78.6	17	-	-	5.307088
4	2	60.0	9	1275.0	-	6.279954
5	3	52.8	19	1194.0	1329.0	7.077342
6	3	85.1	11	1607.0	1030.0	8.961777
7	3	99.3	12	1739.0	1898.0	10.288724
8	1	78.0	5	-	-	11.966619

Table 82 - XN-16 20MHz BW Long Sequence Waveform Trial#29 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	97.9	16	1622.0	-	0.089975
1	2	83.4	9	1074.0	-	0.929078
2	3	56.3	19	1455.0	1627.0	1.768583
3	1	88.1	18	-	-	2.295178
4	1	73.1	20	-	-	2.436987
5	3	94.2	13	1335.0	1660.0	3.137905
6	2	91.1	7	1096.0	-	3.914123
7	2	79.3	7	1252.0	-	4.255943
8	2	72.0	8	1205.0	-	5.146184
9	3	79.6	13	1882.0	1867.0	5.576775
10	1	74.6	11	-	-	6.170328
11	1	77.7	20	-	-	6.746230
12	3	74.4	14	1871.0	1185.0	7.520171
13	2	69.9	11	1347.0	-	8.382380
14	1	72.4	8	-	-	8.928987
15	3	88.9	18	1793.0	1600.0	9.404259
16	1	63.0	18	-	-	9.781580
17	3	54.8	15	1169.0	1496.0	10.311701
18	2	59.6	18	1557.0	-	10.931456
19	2	73.7	7	1982.0	-	11.908213

Table 83 - XN-16 20MHz BW Long Sequence Waveform Trial#30 (Detected)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	9	1.0	333.0	No	5309.0MHz, -64.0dBm	5359, 5343, 5270, 5501, 5459, 5635, 5301, 5302, 5435, 5540, 5579, 5686, 5311, 5448, 5676, 5277, 5507, 5392, 5428, 5455, 5320, 5423, 5369, 5414, 5329, 5413, 5505, 5322, 5562, 5299, 5285, 5487, 5300, 5691, 5499, 5589, 5280, 5321, 5379, 5441, 5411, 5426, 5500, 5704, 5594, 5648, 5346, 5281, 5715, 5559, 5664, 5721, 5614, 5296, 5581, 5283, 5288, 5439, 5319, 5425, 5625, 5566, 5547, 5345, 5327, 5275, 5380, 5574, 5554, 5561, 5685, 5710, 5530, 5519, 5262, 5587, 5489, 5694, 5471, 5700, 5384, 5688, 5677, 5593, 5416, 5461, 5538, 5303, 5274, 5494, 5382, 5386, 5585, 5351, 5580, 5344, 5470, 5708, 5480, 5608 (7 hits)
1	9	1.0	333.0	No	5310.0MHz, -64.0dBm	5604, 5665, 5685, 5560, 5367, 5469, 5704, 5718, 5630, 5724, 5369, 5655, 5585, 5392, 5712, 5637, 5674, 5348, 5432, 5308, 5394, 5678, 5321, 5284, 5459, 5297, 5493, 5578, 5333, 5502, 5577, 5435, 5549, 5400, 5571, 5483, 5566, 5698, 5564, 5278, 5272, 5344, 5492, 5342, 5482, 5382, 5595, 5573, 5510, 5707, 5487, 5606, 5477, 5536, 5445, 5368, 5407, 5453, 5378, 5350, 5261, 5612, 5512, 5371, 5723, 5274, 5405, 5519, 5356, 5397, 5705, 5351, 5253, 5657, 5539, 5440, 5270, 5638, 5304, 5430, 5411, 5656, 5583, 5286, 5557, 5582, 5579, 5266, 5422, 5662, 5561, 5276, 5340, 5316, 5443, 5412, 5285, 5364, 5544, 5439 (2 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
2	9	1.0	333.0	Yes	5311.0MHz, -64.0dBm	5508, 5603, 5284, 5456, 5565, 5443, 5612, 5511, 5459, 5531, 5407, 5558, 5477, 5486, 5346, 5367, 5716, 5494, 5328, 5390, 5595, 5302, 5480, 5454, 5293, 5332, 5303, 5424, 5440, 5262, 5297, 5711, 5485, 5613, 5363, 5405, 5384, 5365, 5257, 5313, 5562, 5530, 5350, 5572, 5364, 5520, 5387, 5528, 5400, 5420, 5388, 5634, 5571, 5368, 5703, 5473, 5714, 5687, 5679, 5432, 5624, 5450, 5465, 5501, 5299, 5336, 5323, 5428, 5317, 5392, 5550, 5594, 5590, 5553, 5639, 5580, 5483, 5304, 5381, 5412, 5513, 5448, 5724, 5608, 5548, 5644, 5549, 5648, 5493, 5601, 5539, 5475, 5481, 5467, 5640, 5417, 5521, 5671, 5681, 5438 (4 hits)
3	9	1.0	333.0	Yes	5313.0MHz, -64.0dBm	5535, 5594, 5598, 5444, 5408, 5393, 5616, 5269, 5342, 5270, 5344, 5635, 5276, 5317, 5648, 5505, 5722, 5313, 5277, 5411, 5645, 5454, 5435, 5298, 5363, 5544, 5306, 5291, 5595, 5286, 5590, 5379, 5288, 5356, 5543, 5653, 5541, 5606, 5259, 5668, 5572, 5500, 5466, 5573, 5560, 5703, 5329, 5365, 5369, 5694, 5534, 5452, 5657, 5675, 5523, 5462, 5474, 5376, 5479, 5464, 5704, 5706, 5529, 5481, 5628, 5348, 5355, 5695, 5531, 5325, 5627, 5701, 5568, 5359, 5422, 5689, 5725, 5492, 5266, 5718, 5698, 5498, 5485, 5539, 5683, 5345, 5710, 5372, 5673, 5724, 5414, 5264, 5362, 5609, 5620, 5339, 5341, 5714, 5712, 5596 (4 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
4	9	1.0	333.0	Yes	5314.0MHz, -64.0dBm	5466, 5435, 5531, 5663, 5523, 5334, 5288, 5573, 5651, 5477, 5364, 5565, 5397, 5450, 5415, 5575, 5620, 5528, 5386, 5632, 5648, 5345, 5306, 5695, 5606, 5284, 5699, 5682, 5701, 5259, 5589, 5301, 5436, 5322, 5654, 5382, 5282, 5351, 5339, 5314, 5650, 5585, 5550, 5257, 5297, 5518, 5267, 5416, 5566, 5277, 5468, 5674, 5613, 5670, 5665, 5604, 5725, 5338, 5570, 5377, 5649, 5516, 5469, 5634, 5635, 5691, 5411, 5460, 5507, 5367, 5488, 5628, 5440, 5582, 5313, 5610, 5534, 5616, 5390, 5681, 5656, 5636, 5584, 5666, 5330, 5711, 5721, 5446, 5714, 5514, 5412, 5723, 5298, 5461, 5437, 5369, 5405, 5615, 5515, 5430 (4 hits)
5	9	1.0	333.0	Yes	5315.0MHz, -64.0dBm	5596, 5723, 5610, 5611, 5721, 5298, 5334, 5426, 5259, 5279, 5384, 5504, 5675, 5644, 5310, 5326, 5359, 5665, 5428, 5557, 5627, 5651, 5551, 5659, 5385, 5578, 5388, 5392, 5499, 5511, 5685, 5672, 5303, 5562, 5407, 5459, 5484, 5425, 5508, 5374, 5640, 5252, 5696, 5614, 5488, 5655, 5492, 5584, 5357, 5336, 5667, 5549, 5456, 5715, 5676, 5588, 5420, 5586, 5415, 5494, 5366, 5316, 5367, 5510, 5264, 5386, 5587, 5449, 5265, 5297, 5435, 5404, 5528, 5705, 5622, 5576, 5686, 5641, 5565, 5360, 5697, 5491, 5469, 5553, 5379, 5566, 5455, 5308, 5335, 5355, 5364, 5521, 5636, 5626, 5517, 5545, 5394, 5255, 5710, 5280 (3 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
6	9	1.0	333.0	Yes	5316.0MHz, -64.0dBm	5572, 5349, 5258, 5520, 5539, 5432, 5384, 5410, 5360, 5417, 5610, 5667, 5400, 5463, 5428, 5340, 5436, 5324, 5533, 5310, 5695, 5319, 5293, 5685, 5502, 5355, 5444, 5470, 5709, 5308, 5368, 5495, 5467, 5330, 5420, 5490, 5530, 5299, 5298, 5629, 5522, 5421, 5479, 5471, 5305, 5645, 5659, 5542, 5615, 5682, 5672, 5364, 5291, 5603, 5680, 5461, 5434, 5555, 5656, 5587, 5636, 5524, 5278, 5489, 5338, 5250, 5663, 5625, 5544, 5283, 5446, 5377, 5714, 5568, 5336, 5373, 5304, 5329, 5577, 5496, 5583, 5261, 5681, 5482, 5282, 5387, 5337, 5265, 5618, 5696, 5515, 5532, 5354, 5660, 5627, 5508, 5429, 5701, 5606, 5662 (5 hits)
7	9	1.0	333.0	Yes	5317.0MHz, -64.0dBm	5316, 5376, 5554, 5578, 5402, 5673, 5711, 5441, 5656, 5560, 5530, 5681, 5290, 5692, 5482, 5545, 5332, 5366, 5607, 5253, 5576, 5623, 5403, 5466, 5340, 5624, 5676, 5327, 5252, 5646, 5659, 5511, 5627, 5251, 5344, 5687, 5629, 5709, 5343, 5274, 5320, 5463, 5362, 5574, 5289, 5270, 5286, 5342, 5569, 5495, 5679, 5405, 5546, 5319, 5452, 5287, 5691, 5280, 5296, 5385, 5429, 5647, 5686, 5704, 5315, 5644, 5713, 5637, 5377, 5349, 5622, 5683, 5580, 5413, 5573, 5716, 5414, 5562, 5455, 5440, 5498, 5696, 5365, 5525, 5528, 5557, 5606, 5596, 5649, 5720, 5602, 5467, 5331, 5435, 5702, 5589, 5652, 5698, 5369, 5401 (6 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
8	9	1.0	333.0	Yes	5318.0MHz, -64.0dBm	5473, 5702, 5374, 5700, 5533, 5301, 5718, 5613, 5462, 5564, 5574, 5316, 5269, 5299, 5325, 5291, 5311, 5309, 5333, 5559, 5554, 5568, 5544, 5589, 5338, 5456, 5502, 5360, 5567, 5532, 5264, 5406, 5318, 5305, 5676, 5465, 5379, 5372, 5588, 5283, 5645, 5472, 5492, 5683, 5416, 5565, 5265, 5578, 5583, 5368, 5312, 5605, 5631, 5482, 5272, 5351, 5686, 5489, 5477, 5682, 5471, 5636, 5399, 5336, 5710, 5642, 5621, 5585, 5355, 5689, 5437, 5385, 5499, 5597, 5486, 5454, 5354, 5409, 5378, 5440, 5426, 5695, 5603, 5709, 5434, 5581, 5612, 5650, 5377, 5503, 5327, 5514, 5428, 5586, 5467, 5519, 5275, 5419, 5297, 5619 (7 hits)
9	9	1.0	333.0	Yes	5319.0MHz, -64.0dBm	5437, 5603, 5664, 5306, 5610, 5704, 5576, 5578, 5376, 5326, 5267, 5539, 5475, 5309, 5379, 5281, 5293, 5573, 5605, 5669, 5598, 5674, 5462, 5628, 5562, 5491, 5496, 5613, 5447, 5714, 5324, 5299, 5580, 5684, 5680, 5315, 5565, 5569, 5278, 5401, 5631, 5549, 5403, 5707, 5352, 5650, 5688, 5535, 5327, 5344, 5357, 5389, 5627, 5259, 5489, 5366, 5337, 5284, 5388, 5571, 5430, 5557, 5294, 5343, 5319, 5266, 5591, 5275, 5413, 5547, 5541, 5368, 5393, 5679, 5254, 5321, 5647, 5656, 5516, 5534, 5370, 5522, 5612, 5316, 5716, 5654, 5691, 5382, 5490, 5420, 5686, 5302, 5426, 5444, 5270, 5298, 5722, 5440, 5453, 5723 (8 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
10	9	1.0	333.0	Yes	5320.0MHz, -64.0dBm	5323, 5348, 5685, 5682, 5669, 5251, 5686, 5679, 5536, 5289, 5391, 5570, 5345, 5317, 5403, 5638, 5274, 5254, 5397, 5333, 5572, 5450, 5373, 5526, 5327, 5401, 5462, 5688, 5367, 5691, 5419, 5646, 5306, 5486, 5453, 5380, 5658, 5374, 5705, 5324, 5648, 5674, 5612, 5596, 5710, 5281, 5558, 5407, 5492, 5339, 5355, 5551, 5620, 5528, 5712, 5573, 5360, 5255, 5269, 5388, 5429, 5253, 5394, 5714, 5259, 5652, 5439, 5560, 5720, 5593, 5590, 5303, 5379, 5614, 5268, 5454, 5702, 5715, 5393, 5525, 5318, 5341, 5286, 5366, 5305, 5606, 5265, 5385, 5271, 5493, 5428, 5300, 5552, 5713, 5405, 5683, 5628, 5523, 5321, 5502 (6 hits)
11	9	1.0	333.0	Yes	5321.0MHz, -64.0dBm	5281, 5295, 5304, 5593, 5302, 5490, 5544, 5434, 5385, 5266, 5332, 5574, 5536, 5521, 5423, 5437, 5268, 5626, 5390, 5502, 5452, 5283, 5657, 5499, 5676, 5398, 5380, 5473, 5417, 5722, 5407, 5425, 5651, 5326, 5557, 5375, 5611, 5328, 5377, 5714, 5492, 5496, 5374, 5517, 5451, 5508, 5294, 5288, 5311, 5399, 5486, 5303, 5689, 5319, 5589, 5466, 5602, 5259, 5271, 5488, 5373, 5366, 5430, 5282, 5600, 5406, 5342, 5408, 5503, 5381, 5354, 5659, 5698, 5405, 5695, 5717, 5307, 5509, 5704, 5556, 5581, 5510, 5351, 5478, 5540, 5542, 5534, 5391, 5443, 5590, 5531, 5335, 5577, 5706, 5258, 5708, 5616, 5519, 5349, 5625 (4 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
12	9	1.0	333.0	Yes	5322.0MHz, -64.0dBm	5566, 5546, 5672, 5585, 5358, 5597, 5518, 5392, 5523, 5357, 5296, 5531, 5305, 5609, 5279, 5260, 5554, 5396, 5491, 5304, 5454, 5258, 5254, 5686, 5717, 5512, 5701, 5511, 5495, 5508, 5426, 5503, 5412, 5676, 5328, 5290, 5691, 5382, 5411, 5544, 5596, 5416, 5366, 5324, 5648, 5499, 5385, 5578, 5581, 5257, 5482, 5612, 5462, 5422, 5641, 5599, 5452, 5550, 5502, 5261, 5336, 5660, 5605, 5682, 5610, 5665, 5663, 5636, 5594, 5477, 5274, 5678, 5591, 5666, 5297, 5606, 5380, 5476, 5615, 5391, 5407, 5303, 5302, 5347, 5321, 5362, 5373, 5277, 5286, 5528, 5496, 5264, 5723, 5661, 5460, 5635, 5618, 5436, 5521, 5522 (3 hits)
13	9	1.0	333.0	Yes	5323.0MHz, -64.0dBm	5593, 5609, 5426, 5713, 5536, 5402, 5552, 5642, 5497, 5377, 5677, 5619, 5530, 5587, 5627, 5602, 5575, 5341, 5611, 5422, 5367, 5487, 5525, 5415, 5578, 5291, 5407, 5660, 5654, 5586, 5473, 5296, 5272, 5319, 5625, 5681, 5329, 5373, 5510, 5358, 5614, 5635, 5434, 5588, 5428, 5292, 5623, 5251, 5370, 5513, 5457, 5443, 5633, 5707, 5265, 5375, 5562, 5427, 5447, 5465, 5275, 5441, 5339, 5479, 5310, 5595, 5353, 5629, 5408, 5608, 5471, 5686, 5685, 5719, 5723, 5616, 5639, 5554, 5638, 5299, 5419, 5396, 5701, 5683, 5384, 5262, 5668, 5542, 5631, 5323, 5470, 5468, 5667, 5596, 5476, 5421, 5663, 5458, 5482, 5600 (4 hits)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
14	9	1.0	333.0	Yes	5324.0MHz, -64.0dBm	5462, 5563, 5611, 5251, 5645, 5274, 5650, 5634, 5371, 5323, 5628, 5434, 5627, 5412, 5416, 5263, 5289, 5724, 5641, 5355, 5327, 5268, 5445, 5350, 5552, 5390, 5254, 5712, 5493, 5270, 5677, 5559, 5456, 5600, 5429, 5275, 5394, 5540, 5714, 5661, 5253, 5474, 5565, 5520, 5721, 5488, 5580, 5407, 5401, 5435, 5469, 5466, 5664, 5684, 5691, 5505, 5573, 5593, 5293, 5286, 5487, 5499, 5276, 5361, 5623, 5530, 5562, 5516, 5366, 5679, 5517, 5654, 5620, 5696, 5688, 5603, 5667, 5319, 5335, 5485, 5356, 5670, 5396, 5666, 5695, 5418, 5500, 5415, 5706, 5273, 5669, 5461, 5426, 5658, 5629, 5300, 5414, 5439, 5567, 5686 (3 hits)
15	9	1.0	333.0	Yes	5326.0MHz, -64.0dBm	5580, 5456, 5565, 5711, 5620, 5719, 5407, 5262, 5575, 5356, 5506, 5452, 5510, 5390, 5552, 5365, 5647, 5545, 5586, 5278, 5527, 5475, 5589, 5313, 5707, 5268, 5470, 5383, 5412, 5253, 5483, 5587, 5581, 5324, 5391, 5495, 5567, 5487, 5267, 5413, 5300, 5398, 5563, 5448, 5493, 5632, 5496, 5644, 5302, 5723, 5556, 5305, 5585, 5490, 5473, 5619, 5611, 5699, 5480, 5524, 5325, 5295, 5443, 5449, 5471, 5424, 5315, 5564, 5602, 5421, 5446, 5503, 5322, 5371, 5299, 5484, 5605, 5437, 5397, 5256, 5532, 5393, 5459, 5629, 5385, 5414, 5283, 5415, 5476, 5474, 5369, 5384, 5386, 5691, 5252, 5281, 5366, 5612, 5519, 5588 (5 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
16	9	1.0	333.0	Yes	5327.0MHz, -64.0dBm	5327, 5517, 5291, 5386, 5486, 5644, 5691, 5430, 5658, 5384, 5599, 5629, 5289, 5650, 5714, 5611, 5322, 5620, 5635, 5344, 5469, 5704, 5636, 5346, 5710, 5348, 5718, 5382, 5459, 5335, 5418, 5493, 5690, 5593, 5664, 5337, 5363, 5328, 5453, 5680, 5350, 5408, 5489, 5313, 5685, 5354, 5488, 5584, 5308, 5672, 5525, 5290, 5457, 5548, 5696, 5649, 5521, 5623, 5451, 5678, 5669, 5448, 5549, 5292, 5415, 5587, 5332, 5709, 5402, 5450, 5721, 5703, 5330, 5534, 5369, 5472, 5647, 5277, 5352, 5470, 5471, 5477, 5622, 5646, 5474, 5589, 5698, 5316, 5329, 5509, 5370, 5723, 5679, 5503, 5552, 5542, 5671, 5390, 5553, 5420 (7 hits)
17	9	1.0	333.0	Yes	5328.0MHz, -64.0dBm	5636, 5473, 5590, 5357, 5528, 5354, 5532, 5699, 5448, 5613, 5381, 5467, 5461, 5547, 5552, 5455, 5520, 5291, 5607, 5557, 5635, 5488, 5711, 5252, 5494, 5661, 5558, 5609, 5423, 5698, 5266, 5504, 5495, 5510, 5282, 5505, 5626, 5508, 5571, 5417, 5363, 5689, 5396, 5519, 5704, 5388, 5471, 5273, 5365, 5525, 5518, 5445, 5537, 5542, 5313, 5634, 5447, 5671, 5285, 5418, 5596, 5327, 5696, 5422, 5350, 5450, 5583, 5340, 5389, 5630, 5479, 5527, 5372, 5640, 5307, 5402, 5538, 5426, 5514, 5425, 5397, 5656, 5431, 5270, 5329, 5659, 5493, 5309, 5625, 5672, 5333, 5550, 5368, 5643, 5294, 5319, 5687, 5678, 5662, 5585 (5 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
18	9	1.0	333.0	Yes	5329.0MHz, -64.0dBm	5530, 5322, 5272, 5438, 5542, 5711, 5623, 5260, 5539, 5494, 5361, 5606, 5694, 5709, 5476, 5290, 5370, 5291, 5398, 5446, 5653, 5719, 5586, 5447, 5478, 5555, 5269, 5409, 5706, 5422, 5662, 5417, 5562, 5458, 5491, 5253, 5627, 5439, 5470, 5297, 5717, 5566, 5255, 5667, 5689, 5715, 5377, 5546, 5457, 5421, 5304, 5707, 5250, 5656, 5508, 5256, 5380, 5349, 5412, 5397, 5528, 5326, 5312, 5264, 5372, 5475, 5676, 5499, 5368, 5493, 5691, 5299, 5634, 5507, 5590, 5543, 5685, 5263, 5593, 5501, 5323, 5669, 5379, 5646, 5632, 5405, 5563, 5705, 5575, 5551, 5589, 5601, 5664, 5427, 5506, 5332, 5416, 5541, 5603, 5480 (4 hits)
19	9	1.0	333.0	No	5330.0MHz, -64.0dBm	5587, 5359, 5662, 5551, 5669, 5435, 5592, 5254, 5393, 5501, 5430, 5685, 5719, 5464, 5484, 5333, 5718, 5549, 5349, 5272, 5627, 5339, 5608, 5259, 5379, 5325, 5431, 5426, 5684, 5597, 5713, 5550, 5701, 5330, 5369, 5323, 5503, 5326, 5577, 5535, 5296, 5322, 5715, 5261, 5628, 5336, 5591, 5381, 5590, 5677, 5698, 5376, 5282, 5491, 5462, 5329, 5695, 5568, 5714, 5575, 5408, 5328, 5449, 5388, 5380, 5383, 5579, 5270, 5263, 5450, 5256, 5629, 5355, 5563, 5593, 5396, 5409, 5519, 5533, 5467, 5274, 5625, 5664, 5601, 5527, 5470, 5375, 5324, 5612, 5586, 5427, 5570, 5370, 5707, 5700, 5516, 5605, 5525, 5634, 5530 (8 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
20	9	1.0	333.0	No	5331.0MHz, -64.0dBm	5538, 5405, 5624, 5431, 5404, 5305, 5429, 5569, 5297, 5367, 5433, 5407, 5340, 5318, 5387, 5667, 5718, 5674, 5586, 5654, 5284, 5681, 5369, 5545, 5362, 5665, 5484, 5252, 5421, 5310, 5600, 5294, 5535, 5434, 5632, 5601, 5447, 5537, 5373, 5453, 5533, 5444, 5616, 5653, 5257, 5296, 5640, 5532, 5626, 5565, 5570, 5406, 5523, 5668, 5377, 5566, 5577, 5439, 5417, 5354, 5574, 5365, 5534, 5277, 5710, 5321, 5613, 5696, 5423, 5345, 5292, 5386, 5690, 5475, 5319, 5711, 5593, 5385, 5391, 5323, 5282, 5655, 5671, 5672, 5432, 5531, 5571, 5599, 5684, 5306, 5721, 5669, 5498, 5644, 5304, 5603, 5446, 5390, 5688, 5480 (5 hits)
21	9	1.0	333.0	No	5309.0MHz, -64.0dBm	5721, 5595, 5363, 5583, 5350, 5340, 5525, 5613, 5416, 5275, 5488, 5454, 5384, 5535, 5609, 5482, 5564, 5477, 5436, 5263, 5311, 5676, 5704, 5575, 5592, 5558, 5633, 5308, 5527, 5287, 5346, 5357, 5478, 5281, 5490, 5410, 5573, 5717, 5464, 5298, 5337, 5646, 5709, 5414, 5288, 5656, 5713, 5401, 5631, 5623, 5305, 5649, 5561, 5286, 5694, 5551, 5619, 5272, 5391, 5521, 5271, 5690, 5307, 5424, 5565, 5587, 5494, 5706, 5459, 5397, 5250, 5514, 5510, 5665, 5540, 5259, 5425, 5659, 5437, 5417, 5374, 5279, 5345, 5499, 5539, 5652, 5270, 5616, 5354, 5588, 5707, 5447, 5465, 5312, 5677, 5483, 5714, 5462, 5406, 5712 (2 hits)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
22	9	1.0	333.0	Yes	5310.0MHz, -64.0dBm	5564, 5271, 5276, 5679, 5299, 5594, 5434, 5296, 5464, 5712, 5323, 5614, 5580, 5477, 5629, 5382, 5344, 5286, 5269, 5399, 5393, 5714, 5489, 5255, 5372, 5324, 5456, 5608, 5444, 5303, 5463, 5391, 5411, 5325, 5483, 5555, 5543, 5628, 5508, 5431, 5716, 5300, 5676, 5422, 5725, 5416, 5266, 5718, 5425, 5501, 5651, 5575, 5562, 5336, 5665, 5261, 5390, 5540, 5664, 5467, 5448, 5525, 5539, 5423, 5567, 5319, 5359, 5488, 5312, 5496, 5398, 5724, 5642, 5377, 5446, 5602, 5388, 5308, 5674, 5641, 5355, 5711, 5600, 5584, 5475, 5283, 5426, 5367, 5310, 5363, 5537, 5418, 5538, 5657, 5458, 5643, 5333, 5549, 5662, 5498 (6 hits)
23	9	1.0	333.0	Yes	5311.0MHz, -64.0dBm	5645, 5539, 5358, 5362, 5363, 5434, 5326, 5702, 5567, 5491, 5300, 5359, 5417, 5542, 5504, 5488, 5262, 5392, 5675, 5661, 5338, 5521, 5325, 5374, 5432, 5641, 5694, 5526, 5484, 5525, 5620, 5439, 5256, 5480, 5384, 5372, 5335, 5428, 5710, 5468, 5613, 5454, 5361, 5356, 5413, 5385, 5433, 5448, 5387, 5693, 5621, 5346, 5310, 5404, 5351, 5462, 5419, 5534, 5302, 5263, 5396, 5574, 5284, 5538, 5500, 5294, 5630, 5572, 5507, 5705, 5453, 5279, 5690, 5493, 5586, 5652, 5656, 5452, 5584, 5551, 5400, 5275, 5389, 5595, 5581, 5370, 5282, 5286, 5522, 5477, 5679, 5303, 5366, 5653, 5367, 5334, 5378, 5616, 5313, 5266 (4 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
24	9	1.0	333.0	Yes	5312.0MHz, -64.0dBm	5322, 5360, 5257, 5490, 5289, 5266, 5308, 5473, 5659, 5687, 5565, 5260, 5502, 5643, 5458, 5318, 5379, 5594, 5391, 5638, 5477, 5675, 5553, 5604, 5602, 5339, 5712, 5540, 5578, 5720, 5550, 5489, 5636, 5627, 5544, 5591, 5641, 5551, 5416, 5579, 5357, 5567, 5598, 5440, 5686, 5353, 5585, 5454, 5264, 5719, 5566, 5572, 5496, 5329, 5536, 5723, 5677, 5337, 5284, 5671, 5304, 5328, 5261, 5419, 5699, 5703, 5629, 5380, 5252, 5614, 5542, 5576, 5263, 5693, 5634, 5642, 5335, 5439, 5390, 5491, 5696, 5691, 5298, 5580, 5658, 5586, 5412, 5453, 5573, 5446, 5483, 5608, 5421, 5619, 5296, 5624, 5501, 5272, 5601, 5694 (4 hits)
25	9	1.0	333.0	Yes	5313.0MHz, -64.0dBm	5454, 5713, 5370, 5383, 5314, 5381, 5429, 5721, 5512, 5560, 5513, 5298, 5580, 5437, 5402, 5434, 5391, 5366, 5396, 5704, 5575, 5271, 5641, 5455, 5266, 5315, 5648, 5565, 5678, 5638, 5695, 5295, 5371, 5571, 5691, 5467, 5637, 5463, 5464, 5500, 5427, 5501, 5686, 5718, 5502, 5351, 5281, 5288, 5611, 5676, 5555, 5658, 5592, 5711, 5495, 5567, 5309, 5325, 5347, 5524, 5424, 5576, 5331, 5714, 5702, 5269, 5411, 5388, 5474, 5616, 5275, 5645, 5719, 5407, 5572, 5515, 5468, 5373, 5478, 5528, 5302, 5444, 5598, 5582, 5337, 5285, 5541, 5452, 5673, 5508, 5605, 5597, 5405, 5450, 5301, 5577, 5279, 5669, 5260, 5423 (5 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
26	9	1.0	333.0	Yes	5314.0MHz, -64.0dBm	5357, 5664, 5715, 5331, 5579, 5629, 5289, 5404, 5372, 5318, 5531, 5516, 5616, 5330, 5581, 5336, 5684, 5580, 5382, 5503, 5491, 5428, 5432, 5694, 5573, 5578, 5484, 5662, 5611, 5454, 5321, 5363, 5554, 5708, 5257, 5350, 5470, 5576, 5344, 5452, 5396, 5473, 5696, 5566, 5394, 5537, 5450, 5641, 5530, 5719, 5652, 5338, 5605, 5622, 5722, 5275, 5672, 5688, 5644, 5707, 5310, 5325, 5273, 5456, 5666, 5519, 5691, 5319, 5251, 5453, 5265, 5533, 5299, 5445, 5398, 5401, 5683, 5523, 5341, 5384, 5546, 5585, 5714, 5608, 5709, 5410, 5541, 5320, 5467, 5656, 5317, 5311, 5296, 5512, 5676, 5625, 5617, 5498, 5663, 5545 (10 hits)
27	9	1.0	333.0	Yes	5315.0MHz, -64.0dBm	5679, 5497, 5718, 5434, 5488, 5440, 5324, 5280, 5599, 5323, 5591, 5547, 5672, 5588, 5367, 5581, 5696, 5425, 5665, 5700, 5543, 5639, 5647, 5643, 5582, 5615, 5571, 5561, 5482, 5332, 5578, 5535, 5500, 5636, 5419, 5369, 5514, 5450, 5279, 5255, 5311, 5632, 5631, 5613, 5447, 5345, 5481, 5516, 5505, 5659, 5595, 5258, 5452, 5433, 5366, 5307, 5402, 5422, 5462, 5469, 5515, 5274, 5577, 5277, 5355, 5524, 5281, 5312, 5605, 5711, 5557, 5527, 5723, 5617, 5320, 5395, 5343, 5575, 5518, 5725, 5559, 5687, 5649, 5600, 5628, 5517, 5674, 5509, 5533, 5284, 5300, 5522, 5572, 5722, 5720, 5252, 5377, 5340, 5637, 5564 (5 hits)

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
28	9	1.0	333.0	Yes	5316.0MHz, -64.0dBm	5459, 5384, 5486, 5399, 5366, 5324, 5627, 5273, 5712, 5412, 5494, 5603, 5455, 5663, 5625, 5578, 5511, 5432, 5307, 5556, 5391, 5526, 5354, 5488, 5664, 5333, 5624, 5404, 5653, 5435, 5598, 5699, 5304, 5623, 5468, 5431, 5428, 5493, 5289, 5479, 5381, 5396, 5706, 5424, 5657, 5546, 5253, 5397, 5473, 5622, 5568, 5318, 5375, 5302, 5617, 5470, 5445, 5427, 5267, 5492, 5590, 5309, 5564, 5679, 5349, 5266, 5378, 5451, 5636, 5316, 5466, 5540, 5630, 5310, 5694, 5641, 5440, 5296, 5639, 5495, 5270, 5347, 5461, 5345, 5278, 5547, 5674, 5548, 5648, 5707, 5359, 5559, 5295, 5665, 5356, 5532, 5487, 5369, 5525, 5524 (5 hits)
29	9	1.0	333.0	Yes	5317.0MHz, -64.0dBm	5323, 5387, 5578, 5513, 5263, 5603, 5271, 5698, 5394, 5714, 5481, 5505, 5588, 5287, 5479, 5360, 5457, 5719, 5527, 5580, 5375, 5463, 5452, 5497, 5550, 5507, 5502, 5571, 5687, 5378, 5549, 5420, 5700, 5582, 5531, 5429, 5460, 5568, 5570, 5292, 5483, 5437, 5403, 5388, 5291, 5575, 5370, 5405, 5265, 5555, 5646, 5475, 5459, 5455, 5684, 5724, 5392, 5310, 5617, 5404, 5516, 5544, 5355, 5591, 5419, 5574, 5410, 5476, 5309, 5511, 5639, 5541, 5431, 5426, 5560, 5445, 5371, 5569, 5618, 5599, 5352, 5326, 5409, 5592, 5525, 5651, 5610, 5298, 5400, 5538, 5674, 5537, 5272, 5642, 5696, 5312, 5512, 5656, 5278, 5466 (5 hits)

Table 84 - FCC frequency hopping radar (Type 6) Results XN-16 20MHz BW

Table 85 - FCC Short Pulse Radar (Type 1) Results XN-8 20MHz BW
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
1	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
2	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
3	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
4	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
5	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
6	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
7	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
8	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
9	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
10	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
11	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
12	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
13	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
14	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
15	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
16	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
17	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
18	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
19	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
20	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
21	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
22	18	1.0	1428.0	No	5260.0MHz, -64.0dBm	N/A
23	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
24	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
25	18	1.0	1428.0	Yes	5260.0MHz,	N/A

Table 85 - FCC Short Pulse Radar (Type 1) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
					-64.0dBm	
26	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
27	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
28	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A
29	18	1.0	1428.0	Yes	5260.0MHz, -64.0dBm	N/A

Table 86 - FCC Short Pulse Radar (Type 2) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	27	3.3	203.0	Yes	5260.0MHz, -64.0dBm	N/A
1	29	3.3	226.0	Yes	5260.0MHz, -64.0dBm	N/A
2	29	3.7	217.0	Yes	5260.0MHz, -64.0dBm	N/A
3	26	1.7	197.0	Yes	5260.0MHz, -64.0dBm	N/A
4	26	3.3	172.0	No	5260.0MHz, -64.0dBm	N/A
5	26	4.4	192.0	Yes	5260.0MHz, -64.0dBm	N/A
6	24	3.4	227.0	Yes	5260.0MHz, -64.0dBm	N/A
7	25	4.4	194.0	Yes	5260.0MHz, -64.0dBm	N/A
8	24	1.2	197.0	Yes	5260.0MHz, -64.0dBm	N/A
9	24	4.1	201.0	Yes	5260.0MHz, -64.0dBm	N/A
10	25	4.1	166.0	Yes	5260.0MHz, -64.0dBm	N/A
11	26	3.2	216.0	No	5260.0MHz, -64.0dBm	N/A
12	24	1.1	155.0	Yes	5260.0MHz, -64.0dBm	N/A
13	27	1.1	202.0	Yes	5260.0MHz, -64.0dBm	N/A
14	25	2.8	219.0	No	5260.0MHz, -64.0dBm	N/A
15	25	4.1	207.0	Yes	5260.0MHz, -64.0dBm	N/A
16	24	1.3	158.0	No	5260.0MHz, -64.0dBm	N/A
17	27	2.4	150.0	No	5260.0MHz, -64.0dBm	N/A
18	24	4.7	188.0	No	5260.0MHz,	N/A

Table 86 - FCC Short Pulse Radar (Type 2) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
					-64.0dBm	
19	26	4.6	201.0	Yes	5260.0MHz, -64.0dBm	N/A
20	25	3.8	222.0	Yes	5260.0MHz, -64.0dBm	N/A
21	29	2.1	153.0	Yes	5260.0MHz, -64.0dBm	N/A
22	24	4.8	197.0	Yes	5260.0MHz, -64.0dBm	N/A
23	23	2.4	217.0	Yes	5260.0MHz, -64.0dBm	N/A
24	26	4.3	196.0	Yes	5260.0MHz, -64.0dBm	N/A
25	24	4.0	159.0	Yes	5260.0MHz, -64.0dBm	N/A
26	25	4.8	189.0	Yes	5260.0MHz, -64.0dBm	N/A
27	24	4.8	157.0	Yes	5260.0MHz, -64.0dBm	N/A
28	24	4.7	200.0	Yes	5260.0MHz, -64.0dBm	N/A
29	27	4.3	220.0	Yes	5260.0MHz, -64.0dBm	N/A

Table 87 - FCC Short Pulse Radar (Type 3) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	16	9.2	416.0	Yes	5260.0MHz, -64.0dBm	N/A
1	16	8.6	318.0	No	5260.0MHz, -64.0dBm	N/A
2	17	6.9	242.0	Yes	5260.0MHz, -64.0dBm	N/A
3	18	9.5	294.0	Yes	5260.0MHz, -64.0dBm	N/A
4	16	7.3	478.0	Yes	5260.0MHz, -64.0dBm	N/A
5	17	8.0	285.0	Yes	5260.0MHz, -64.0dBm	N/A
6	17	9.0	239.0	Yes	5260.0MHz, -64.0dBm	N/A
7	18	7.8	322.0	Yes	5260.0MHz, -64.0dBm	N/A
8	18	7.6	263.0	Yes	5260.0MHz, -64.0dBm	N/A
9	16	6.2	283.0	Yes	5260.0MHz, -64.0dBm	N/A
10	17	6.4	378.0	Yes	5260.0MHz, -64.0dBm	N/A
11	17	6.8	268.0	Yes	5260.0MHz,	N/A

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
					-64.0dBm	
12	18	9.9	331.0	Yes	5260.0MHz, -64.0dBm	N/A
13	18	7.4	268.0	Yes	5260.0MHz, -64.0dBm	N/A
14	16	8.8	354.0	Yes	5260.0MHz, -64.0dBm	N/A
15	18	6.4	494.0	Yes	5260.0MHz, -64.0dBm	N/A
16	17	7.3	417.0	Yes	5260.0MHz, -64.0dBm	N/A
17	17	9.6	236.0	Yes	5260.0MHz, -64.0dBm	N/A
18	17	6.8	239.0	Yes	5260.0MHz, -64.0dBm	N/A
19	16	9.1	413.0	Yes	5260.0MHz, -64.0dBm	N/A
20	16	6.6	383.0	No	5260.0MHz, -64.0dBm	N/A
21	17	8.3	278.0	Yes	5260.0MHz, -64.0dBm	N/A
22	18	6.9	374.0	Yes	5260.0MHz, -64.0dBm	N/A
23	16	8.9	342.0	Yes	5260.0MHz, -64.0dBm	N/A
24	18	7.1	409.0	Yes	5260.0MHz, -64.0dBm	N/A
25	16	6.1	367.0	Yes	5260.0MHz, -64.0dBm	N/A
26	16	10.0	375.0	Yes	5260.0MHz, -64.0dBm	N/A
27	16	6.5	473.0	Yes	5260.0MHz, -64.0dBm	N/A
28	18	6.6	204.0	Yes	5260.0MHz, -64.0dBm	N/A
29	17	6.4	349.0	Yes	5260.0MHz, -64.0dBm	N/A

Table 87 - FCC Short Pulse Radar (Type 3) Results XN-8 20MHz BW

Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
				Table 88 - FCC Short Pulse Radar (Type 4) Results XN-8 20MHz BW		
0	15	12.4	245.0	No	5260.0MHz, -64.0dBm	N/A
1	12	13.6	500.0	Yes	5260.0MHz, -64.0dBm	N/A
2	16	18.2	452.0	No	5260.0MHz, -64.0dBm	N/A
3	14	17.2	422.0	Yes	5260.0MHz, -64.0dBm	N/A
4	12	12.9	331.0	Yes	5260.0MHz, -64.0dBm	N/A
5	15	15.7	374.0	Yes	5260.0MHz, -64.0dBm	N/A
6	12	14.4	278.0	Yes	5260.0MHz, -64.0dBm	N/A
7	15	18.4	207.0	Yes	5260.0MHz, -64.0dBm	N/A
8	13	17.7	298.0	Yes	5260.0MHz, -64.0dBm	N/A
9	16	18.5	317.0	Yes	5260.0MHz, -64.0dBm	N/A
10	14	18.1	330.0	Yes	5260.0MHz, -64.0dBm	N/A
11	12	14.0	219.0	Yes	5260.0MHz, -64.0dBm	N/A
12	15	12.6	266.0	Yes	5260.0MHz, -64.0dBm	N/A
13	13	15.8	347.0	Yes	5260.0MHz, -64.0dBm	N/A
14	13	18.7	358.0	Yes	5260.0MHz, -64.0dBm	N/A
15	12	17.4	405.0	No	5260.0MHz, -64.0dBm	N/A
16	13	17.0	220.0	Yes	5260.0MHz, -64.0dBm	N/A
17	14	16.0	261.0	Yes	5260.0MHz, -64.0dBm	N/A
18	14	16.7	488.0	Yes	5260.0MHz, -64.0dBm	N/A
19	13	16.8	223.0	Yes	5260.0MHz, -64.0dBm	N/A
20	14	11.8	369.0	Yes	5260.0MHz, -64.0dBm	N/A
21	13	17.2	470.0	Yes	5260.0MHz, -64.0dBm	N/A
22	14	11.8	434.0	Yes	5260.0MHz, -64.0dBm	N/A
23	15	16.6	352.0	No	5260.0MHz, -64.0dBm	N/A
24	15	16.9	422.0	Yes	5260.0MHz, -64.0dBm	N/A

Table 88 - FCC Short Pulse Radar (Type 4) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
25	12	19.2	402.0	No	5260.0MHz, -64.0dBm	N/A
26	14	12.8	394.0	Yes	5260.0MHz, -64.0dBm	N/A
27	14	14.2	334.0	Yes	5260.0MHz, -64.0dBm	N/A
28	13	16.4	461.0	Yes	5260.0MHz, -64.0dBm	N/A
29	13	17.0	258.0	No	5260.0MHz, -64.0dBm	N/A

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
0	9	1.0	333.0	No	5309.0MHz, -64.0dBm	5669, 5280, 5295, 5314, 5265, 5406, 5441, 5528, 5363, 5359, 5452, 5292, 5453, 5652, 5503, 5705, 5636, 5656, 5671, 5340, 5269, 5709, 5677, 5557, 5389, 5438, 5717, 5607, 5336, 5255, 5356, 5309, 5663, 5538, 5542, 5402, 5414, 5695, 5484, 5565, 5597, 5719, 5495, 5307, 5491, 5580, 5444, 5552, 5267, 5446, 5536, 5360, 5322, 5591, 5627, 5448, 5537, 5564, 5673, 5658, 5427, 5481, 5286, 5504, 5529, 5661, 5581, 5509, 5576, 5573, 5629, 5257, 5274, 5526, 5523, 5437, 5263, 5508, 5532, 5391, 5544, 5291, 5689, 5589, 5584, 5586, 5470, 5469, 5477, 5377, 5711, 5549, 5539, 5290, 5553, 5647, 5596, 5327, 5404, 5566 (4 hits)
1	9	1.0	333.0	No	5310.0MHz, -64.0dBm	5401, 5382, 5596, 5317, 5421, 5668, 5373, 5592, 5447, 5559, 5484, 5716, 5372, 5649, 5624, 5539, 5700, 5519, 5578, 5499, 5698, 5523, 5637, 5551, 5651, 5430, 5705, 5338, 5557, 5693, 5655, 5483, 5599, 5281, 5416, 5325, 5412, 5405, 5627, 5564, 5456, 5417, 5591, 5497, 5590, 5319, 5555, 5687, 5411, 5272, 5516, 5696, 5723, 5644, 5455, 5542, 5288, 5423, 5260, 5297, 5594, 5324, 5526, 5268, 5253, 5650, 5474, 5581, 5283, 5641, 5509, 5689, 5418, 5676, 5631, 5493, 5273, 5646, 5326, 5383, 5450, 5407, 5595, 5334, 5458, 5680, 5329, 5709, 5527, 5585, 5345, 5505, 5681, 5336, 5679, 5379, 5318, 5534, 5491, 5673 (7 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
2	9	1.0	333.0	Yes	5311.0MHz, -64.0dBm	5356, 5484, 5345, 5346, 5527, 5381, 5470, 5372, 5329, 5264, 5453, 5713, 5666, 5339, 5657, 5555, 5380, 5478, 5412, 5583, 5681, 5439, 5526, 5304, 5331, 5465, 5324, 5477, 5423, 5572, 5424, 5320, 5529, 5365, 5694, 5362, 5706, 5501, 5696, 5404, 5608, 5277, 5693, 5499, 5549, 5595, 5283, 5662, 5556, 5459, 5652, 5550, 5509, 5419, 5712, 5701, 5544, 5630, 5640, 5442, 5425, 5305, 5369, 5702, 5391, 5643, 5355, 5642, 5498, 5683, 5688, 5598, 5558, 5590, 5327, 5654, 5287, 5440, 5387, 5315, 5576, 5376, 5491, 5373, 5624, 5407, 5536, 5430, 5367, 5574, 5493, 5337, 5573, 5725, 5724, 5274, 5548, 5510, 5535, 5250 (6 hits)
3	9	1.0	333.0	Yes	5312.0MHz, -64.0dBm	5487, 5655, 5284, 5527, 5374, 5337, 5477, 5267, 5406, 5278, 5413, 5681, 5408, 5286, 5304, 5723, 5289, 5318, 5475, 5692, 5311, 5409, 5359, 5280, 5576, 5296, 5449, 5334, 5716, 5473, 5603, 5588, 5405, 5416, 5471, 5528, 5351, 5425, 5259, 5653, 5266, 5701, 5679, 5368, 5499, 5298, 5585, 5657, 5393, 5320, 5339, 5538, 5509, 5696, 5379, 5554, 5668, 5476, 5616, 5717, 5633, 5640, 5564, 5558, 5664, 5597, 5261, 5546, 5292, 5294, 5608, 5338, 5496, 5704, 5419, 5570, 5626, 5445, 5383, 5500, 5483, 5306, 5253, 5315, 5604, 5511, 5450, 5650, 5326, 5542, 5299, 5699, 5255, 5376, 5263, 5661, 5415, 5695, 5689, 5579 (5 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
4	9	1.0	333.0	Yes	5313.0MHz, -64.0dBm	5581, 5272, 5423, 5522, 5723, 5428, 5370, 5633, 5649, 5263, 5587, 5658, 5459, 5674, 5555, 5624, 5373, 5569, 5350, 5632, 5318, 5672, 5411, 5363, 5654, 5427, 5506, 5696, 5286, 5571, 5635, 5557, 5722, 5435, 5486, 5612, 5525, 5251, 5296, 5585, 5327, 5297, 5603, 5491, 5402, 5412, 5262, 5338, 5716, 5487, 5676, 5702, 5478, 5621, 5289, 5252, 5325, 5562, 5436, 5441, 5365, 5408, 5615, 5560, 5322, 5616, 5547, 5492, 5451, 5534, 5295, 5520, 5482, 5699, 5481, 5552, 5692, 5646, 5267, 5711, 5452, 5679, 5348, 5303, 5705, 5357, 5477, 5673, 5504, 5379, 5489, 5367, 5431, 5643, 5304, 5287, 5528, 5484, 5390, 5264 (4 hits)
5	9	1.0	333.0	Yes	5314.0MHz, -64.0dBm	5422, 5525, 5708, 5428, 5624, 5483, 5512, 5270, 5465, 5585, 5456, 5333, 5335, 5275, 5516, 5310, 5395, 5675, 5398, 5490, 5498, 5308, 5283, 5553, 5374, 5420, 5506, 5427, 5252, 5253, 5474, 5293, 5360, 5396, 5630, 5258, 5564, 5649, 5466, 5621, 5535, 5663, 5699, 5388, 5433, 5650, 5471, 5402, 5487, 5595, 5709, 5457, 5673, 5656, 5397, 5331, 5600, 5409, 5458, 5575, 5654, 5370, 5583, 5682, 5669, 5267, 5411, 5404, 5300, 5332, 5664, 5711, 5284, 5671, 5475, 5569, 5327, 5441, 5344, 5307, 5379, 5573, 5278, 5629, 5652, 5658, 5580, 5591, 5613, 5372, 5296, 5635, 5598, 5340, 5693, 5273, 5383, 5467, 5574, 5406 (3 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
6	9	1.0	333.0	Yes	5315.0MHz, -64.0dBm	5385, 5450, 5347, 5367, 5380, 5714, 5277, 5400, 5691, 5443, 5544, 5339, 5349, 5338, 5521, 5453, 5654, 5309, 5682, 5601, 5372, 5346, 5703, 5706, 5561, 5628, 5425, 5302, 5554, 5685, 5637, 5292, 5496, 5641, 5312, 5363, 5290, 5465, 5311, 5533, 5647, 5257, 5414, 5252, 5506, 5606, 5707, 5696, 5695, 5457, 5321, 5335, 5431, 5460, 5267, 5658, 5564, 5688, 5683, 5587, 5548, 5330, 5298, 5317, 5579, 5451, 5348, 5520, 5642, 5459, 5718, 5610, 5631, 5270, 5488, 5639, 5592, 5382, 5322, 5461, 5507, 5516, 5674, 5278, 5301, 5342, 5387, 5513, 5258, 5325, 5332, 5361, 5419, 5540, 5525, 5359, 5463, 5645, 5413, 5476 (8 hits)
7	9	1.0	333.0	Yes	5316.0MHz, -64.0dBm	5610, 5613, 5407, 5532, 5448, 5473, 5408, 5678, 5438, 5478, 5685, 5439, 5287, 5519, 5455, 5703, 5282, 5672, 5349, 5445, 5718, 5680, 5376, 5690, 5707, 5595, 5642, 5293, 5295, 5390, 5447, 5471, 5684, 5363, 5423, 5644, 5517, 5366, 5294, 5388, 5462, 5255, 5251, 5491, 5658, 5451, 5354, 5314, 5434, 5472, 5338, 5409, 5570, 5536, 5383, 5596, 5492, 5326, 5575, 5411, 5626, 5476, 5300, 5285, 5284, 5392, 5721, 5572, 5660, 5302, 5359, 5330, 5257, 5612, 5252, 5387, 5418, 5308, 5628, 5543, 5312, 5509, 5469, 5309, 5259, 5693, 5682, 5633, 5597, 5460, 5336, 5691, 5518, 5505, 5586, 5291, 5711, 5638, 5261, 5687 (5 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
8	9	1.0	333.0	Yes	5317.0MHz, -64.0dBm	5326, 5623, 5449, 5600, 5701, 5462, 5269, 5334, 5364, 5421, 5580, 5560, 5563, 5267, 5709, 5471, 5719, 5537, 5617, 5277, 5539, 5350, 5658, 5252, 5349, 5416, 5474, 5417, 5307, 5335, 5408, 5646, 5490, 5482, 5656, 5586, 5447, 5468, 5557, 5627, 5544, 5497, 5288, 5354, 5287, 5718, 5410, 5369, 5459, 5657, 5455, 5406, 5651, 5260, 5576, 5512, 5715, 5473, 5331, 5633, 5422, 5523, 5588, 5360, 5630, 5491, 5489, 5382, 5391, 5619, 5514, 5264, 5451, 5706, 5390, 5457, 5298, 5612, 5423, 5673, 5696, 5545, 5629, 5324, 5487, 5283, 5370, 5356, 5306, 5351, 5393, 5604, 5483, 5400, 5314, 5562, 5476, 5690, 5371, 5530 (4 hits)
9	9	1.0	333.0	Yes	5318.0MHz, -64.0dBm	5347, 5552, 5648, 5528, 5690, 5722, 5399, 5661, 5609, 5681, 5670, 5378, 5547, 5479, 5348, 5702, 5432, 5534, 5486, 5315, 5386, 5494, 5323, 5557, 5351, 5361, 5411, 5387, 5264, 5602, 5509, 5550, 5253, 5583, 5513, 5369, 5516, 5475, 5566, 5710, 5617, 5628, 5404, 5352, 5340, 5332, 5667, 5715, 5281, 5523, 5588, 5492, 5590, 5345, 5422, 5451, 5718, 5316, 5464, 5289, 5398, 5280, 5694, 5508, 5419, 5698, 5287, 5632, 5427, 5291, 5346, 5468, 5567, 5560, 5532, 5484, 5548, 5309, 5436, 5297, 5390, 5586, 5521, 5517, 5676, 5641, 5377, 5383, 5255, 5654, 5637, 5260, 5680, 5317, 5423, 5476, 5263, 5619, 5691, 5402 (5 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
10	9	1.0	333.0	Yes	5319.0MHz, -64.0dBm	5484, 5435, 5691, 5580, 5405, 5634, 5315, 5706, 5380, 5341, 5354, 5383, 5534, 5696, 5273, 5365, 5557, 5668, 5271, 5361, 5438, 5355, 5444, 5522, 5506, 5549, 5437, 5590, 5667, 5378, 5372, 5290, 5475, 5335, 5612, 5658, 5653, 5581, 5317, 5622, 5674, 5402, 5693, 5651, 5307, 5390, 5265, 5605, 5648, 5589, 5600, 5712, 5311, 5505, 5412, 5304, 5465, 5324, 5608, 5284, 5473, 5419, 5635, 5295, 5452, 5523, 5596, 5281, 5489, 5388, 5301, 5646, 5321, 5363, 5289, 5716, 5457, 5587, 5338, 5332, 5393, 5697, 5278, 5467, 5709, 5593, 5603, 5275, 5286, 5597, 5594, 5448, 5631, 5637, 5396, 5553, 5285, 5642, 5359, 5487 (5 hits)
11	9	1.0	333.0	Yes	5320.0MHz, -64.0dBm	5338, 5631, 5261, 5298, 5697, 5426, 5557, 5356, 5546, 5302, 5604, 5547, 5716, 5257, 5311, 5573, 5273, 5453, 5643, 5381, 5554, 5346, 5377, 5483, 5560, 5527, 5662, 5708, 5456, 5701, 5599, 5691, 5654, 5265, 5423, 5355, 5722, 5505, 5376, 5396, 5612, 5277, 5399, 5611, 5621, 5533, 5263, 5386, 5290, 5655, 5661, 5319, 5577, 5694, 5468, 5254, 5537, 5712, 5306, 5439, 5572, 5705, 5718, 5503, 5640, 5495, 5250, 5404, 5304, 5256, 5473, 5427, 5657, 5408, 5251, 5724, 5610, 5335, 5406, 5652, 5364, 5284, 5464, 5478, 5308, 5330, 5307, 5684, 5317, 5325, 5348, 5596, 5359, 5372, 5516, 5336, 5447, 5544, 5587, 5305 (5 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
12	9	1.0	333.0	Yes	5321.0MHz, -64.0dBm	5567, 5512, 5593, 5525, 5655, 5565, 5330, 5355, 5719, 5517, 5360, 5370, 5582, 5660, 5400, 5561, 5463, 5680, 5314, 5368, 5493, 5358, 5498, 5486, 5717, 5622, 5467, 5572, 5538, 5461, 5346, 5442, 5300, 5387, 5386, 5645, 5349, 5317, 5692, 5674, 5705, 5681, 5536, 5403, 5408, 5279, 5374, 5688, 5316, 5369, 5456, 5696, 5270, 5619, 5335, 5562, 5352, 5302, 5548, 5617, 5697, 5350, 5436, 5558, 5627, 5602, 5306, 5546, 5254, 5587, 5583, 5577, 5659, 5345, 5469, 5457, 5280, 5261, 5725, 5416, 5381, 5432, 5545, 5313, 5511, 5281, 5710, 5598, 5305, 5455, 5569, 5646, 5491, 5704, 5459, 5476, 5454, 5594, 5501, 5289 (5 hits)
13	9	1.0	333.0	Yes	5322.0MHz, -64.0dBm	5591, 5404, 5428, 5700, 5495, 5664, 5313, 5505, 5558, 5513, 5275, 5545, 5267, 5709, 5565, 5702, 5695, 5486, 5444, 5653, 5679, 5450, 5291, 5441, 5638, 5426, 5613, 5452, 5471, 5488, 5600, 5684, 5369, 5528, 5489, 5317, 5568, 5649, 5592, 5546, 5349, 5490, 5644, 5285, 5603, 5599, 5515, 5438, 5585, 5697, 5475, 5351, 5701, 5303, 5353, 5314, 5390, 5384, 5391, 5381, 5307, 5472, 5442, 5435, 5401, 5635, 5278, 5380, 5690, 5596, 5566, 5532, 5256, 5427, 5372, 5338, 5507, 5707, 5541, 5514, 5624, 5481, 5555, 5322, 5393, 5376, 5309, 5534, 5311, 5493, 5359, 5658, 5458, 5274, 5257, 5666, 5286, 5261, 5669, 5260 (6 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
14	9	1.0	333.0	Yes	5323.0MHz, -64.0dBm	5654, 5525, 5489, 5520, 5512, 5348, 5657, 5271, 5598, 5330, 5422, 5503, 5292, 5333, 5599, 5430, 5309, 5700, 5587, 5462, 5409, 5652, 5591, 5432, 5456, 5316, 5564, 5473, 5612, 5593, 5425, 5435, 5511, 5461, 5570, 5326, 5617, 5539, 5488, 5426, 5453, 5527, 5445, 5586, 5332, 5302, 5687, 5604, 5506, 5518, 5355, 5603, 5683, 5642, 5366, 5495, 5278, 5615, 5601, 5406, 5374, 5261, 5287, 5664, 5635, 5347, 5535, 5304, 5479, 5481, 5592, 5387, 5590, 5497, 5559, 5391, 5572, 5613, 5270, 5696, 5312, 5563, 5619, 5684, 5620, 5362, 5403, 5583, 5472, 5327, 5566, 5670, 5298, 5402, 5385, 5369, 5463, 5346, 5643, 5303 (6 hits)
15	9	1.0	333.0	Yes	5324.0MHz, -64.0dBm	5573, 5530, 5579, 5283, 5713, 5440, 5599, 5500, 5703, 5402, 5388, 5255, 5609, 5577, 5286, 5707, 5517, 5505, 5476, 5385, 5406, 5257, 5589, 5598, 5464, 5424, 5578, 5472, 5416, 5694, 5617, 5536, 5643, 5671, 5686, 5650, 5702, 5657, 5280, 5382, 5369, 5591, 5316, 5695, 5413, 5502, 5344, 5647, 5540, 5337, 5304, 5399, 5508, 5528, 5614, 5483, 5608, 5541, 5565, 5391, 5711, 5420, 5345, 5660, 5704, 5567, 5275, 5423, 5395, 5585, 5629, 5554, 5475, 5463, 5664, 5628, 5520, 5646, 5688, 5430, 5616, 5401, 5526, 5341, 5556, 5545, 5708, 5335, 5415, 5277, 5482, 5267, 5701, 5689, 5392, 5367, 5411, 5570, 5397, 5618 (1 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
16	9	1.0	333.0	Yes	5325.0MHz, -64.0dBm	5627, 5562, 5547, 5686, 5415, 5260, 5563, 5590, 5291, 5400, 5691, 5403, 5355, 5701, 5307, 5444, 5254, 5390, 5593, 5395, 5402, 5417, 5271, 5267, 5292, 5394, 5299, 5693, 5633, 5344, 5710, 5536, 5373, 5690, 5557, 5391, 5325, 5681, 5644, 5545, 5269, 5367, 5664, 5511, 5474, 5263, 5528, 5253, 5346, 5718, 5287, 5578, 5333, 5372, 5532, 5322, 5301, 5697, 5358, 5283, 5556, 5399, 5694, 5567, 5342, 5558, 5650, 5651, 5542, 5256, 5478, 5319, 5475, 5543, 5455, 5462, 5631, 5702, 5401, 5665, 5642, 5378, 5618, 5575, 5388, 5535, 5343, 5326, 5386, 5655, 5275, 5430, 5699, 5329, 5712, 5340, 5332, 5615, 5366, 5643 (5 hits)
17	9	1.0	333.0	Yes	5326.0MHz, -64.0dBm	5355, 5289, 5500, 5265, 5501, 5508, 5582, 5532, 5319, 5585, 5570, 5533, 5306, 5609, 5512, 5543, 5617, 5378, 5340, 5568, 5717, 5370, 5665, 5486, 5461, 5573, 5325, 5326, 5637, 5338, 5596, 5406, 5392, 5348, 5595, 5560, 5260, 5673, 5495, 5698, 5648, 5264, 5699, 5723, 5610, 5331, 5429, 5660, 5575, 5537, 5441, 5299, 5296, 5263, 5405, 5497, 5655, 5491, 5626, 5643, 5329, 5481, 5613, 5646, 5377, 5262, 5314, 5684, 5600, 5677, 5307, 5583, 5459, 5624, 5261, 5552, 5333, 5302, 5275, 5564, 5513, 5642, 5371, 5451, 5295, 5369, 5476, 5432, 5474, 5360, 5396, 5562, 5630, 5332, 5713, 5557, 5722, 5576, 5401, 5667 (6 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
18	9	1.0	333.0	Yes	5327.0MHz, -64.0dBm	5459, 5633, 5270, 5273, 5631, 5566, 5510, 5266, 5570, 5316, 5341, 5468, 5625, 5602, 5261, 5567, 5431, 5691, 5260, 5441, 5580, 5679, 5708, 5278, 5586, 5488, 5479, 5279, 5451, 5253, 5383, 5436, 5421, 5352, 5725, 5697, 5268, 5405, 5677, 5531, 5550, 5520, 5284, 5643, 5435, 5527, 5295, 5483, 5519, 5363, 5552, 5536, 5297, 5358, 5596, 5629, 5428, 5332, 5717, 5438, 5450, 5264, 5360, 5719, 5487, 5256, 5680, 5634, 5373, 5597, 5711, 5497, 5364, 5419, 5322, 5407, 5370, 5474, 5660, 5573, 5600, 5651, 5562, 5705, 5692, 5310, 5333, 5406, 5710, 5381, 5320, 5642, 5518, 5606, 5539, 5493, 5652, 5615, 5511, 5311 (5 hits)
19	9	1.0	333.0	Yes	5328.0MHz, -64.0dBm	5635, 5361, 5682, 5700, 5676, 5291, 5359, 5612, 5465, 5400, 5590, 5261, 5525, 5657, 5371, 5414, 5705, 5263, 5314, 5670, 5410, 5517, 5586, 5460, 5660, 5348, 5581, 5650, 5293, 5520, 5277, 5427, 5685, 5639, 5710, 5437, 5440, 5268, 5475, 5678, 5360, 5426, 5715, 5413, 5669, 5436, 5399, 5258, 5724, 5455, 5628, 5494, 5296, 5338, 5355, 5442, 5297, 5347, 5658, 5463, 5422, 5709, 5260, 5259, 5265, 5473, 5679, 5684, 5711, 5643, 5343, 5698, 5505, 5528, 5624, 5484, 5704, 5403, 5290, 5692, 5434, 5303, 5279, 5316, 5553, 5374, 5278, 5387, 5306, 5447, 5558, 5579, 5488, 5619, 5620, 5453, 5575, 5606, 5604, 5602 (2 hits)

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Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
20	9	1.0	333.0	Yes	5329.0MHz, -64.0dBm	5712, 5284, 5647, 5468, 5568, 5264, 5374, 5342, 5699, 5637, 5277, 5695, 5543, 5331, 5566, 5314, 5449, 5529, 5334, 5523, 5650, 5390, 5536, 5253, 5717, 5438, 5694, 5666, 5473, 5261, 5693, 5590, 5591, 5501, 5705, 5580, 5467, 5266, 5497, 5522, 5681, 5533, 5430, 5435, 5318, 5344, 5600, 5552, 5548, 5643, 5452, 5583, 5265, 5323, 5391, 5428, 5448, 5304, 5504, 5315, 5617, 5475, 5674, 5288, 5260, 5476, 5581, 5611, 5585, 5377, 5512, 5262, 5450, 5599, 5688, 5644, 5528, 5560, 5668, 5546, 5564, 5423, 5723, 5401, 5441, 5341, 5422, 5312, 5658, 5672, 5269, 5669, 5638, 5420, 5375, 5322, 5400, 5480, 5610, 5649 (7 hits)
21	9	1.0	333.0	No	5330.0MHz, -64.0dBm	5605, 5681, 5671, 5492, 5614, 5383, 5620, 5585, 5485, 5701, 5412, 5596, 5436, 5517, 5557, 5309, 5337, 5392, 5416, 5375, 5603, 5304, 5716, 5326, 5528, 5513, 5678, 5361, 5544, 5282, 5487, 5447, 5526, 5624, 5543, 5308, 5339, 5593, 5301, 5418, 5303, 5668, 5555, 5435, 5390, 5264, 5498, 5262, 5334, 5349, 5515, 5376, 5525, 5358, 5470, 5713, 5441, 5393, 5431, 5540, 5714, 5558, 5553, 5659, 5284, 5427, 5340, 5677, 5613, 5717, 5641, 5391, 5647, 5348, 5449, 5551, 5332, 5617, 5430, 5500, 5287, 5683, 5398, 5523, 5481, 5377, 5648, 5292, 5327, 5452, 5658, 5514, 5414, 5255, 5499, 5651, 5402, 5547, 5607, 5601 (3 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
22	9	1.0	333.0	No	5331.0MHz, -64.0dBm	5568, 5620, 5723, 5501, 5382, 5363, 5621, 5548, 5269, 5289, 5314, 5373, 5323, 5618, 5630, 5532, 5370, 5633, 5445, 5673, 5702, 5295, 5399, 5328, 5277, 5490, 5499, 5610, 5380, 5333, 5661, 5538, 5403, 5266, 5475, 5690, 5554, 5253, 5436, 5397, 5463, 5466, 5447, 5480, 5421, 5626, 5449, 5340, 5519, 5282, 5262, 5302, 5604, 5450, 5643, 5522, 5381, 5534, 5358, 5562, 5580, 5584, 5307, 5704, 5529, 5438, 5506, 5345, 5563, 5636, 5615, 5571, 5391, 5487, 5413, 5583, 5669, 5641, 5473, 5695, 5608, 5518, 5664, 5460, 5470, 5394, 5476, 5497, 5724, 5368, 5369, 5619, 5705, 5495, 5492, 5250, 5530, 5646, 5721, 5617 (3 hits)
23	9	1.0	333.0	No	5309.0MHz, -64.0dBm	5280, 5415, 5449, 5714, 5380, 5712, 5474, 5518, 5707, 5552, 5470, 5624, 5289, 5451, 5705, 5471, 5492, 5311, 5431, 5364, 5549, 5468, 5547, 5270, 5626, 5421, 5349, 5303, 5429, 5510, 5642, 5710, 5511, 5589, 5338, 5699, 5652, 5401, 5677, 5477, 5704, 5321, 5310, 5437, 5389, 5475, 5525, 5545, 5673, 5373, 5366, 5353, 5658, 5442, 5719, 5426, 5459, 5331, 5350, 5700, 5352, 5566, 5424, 5251, 5433, 5667, 5284, 5568, 5354, 5436, 5320, 5581, 5520, 5724, 5390, 5548, 5295, 5445, 5493, 5456, 5523, 5656, 5590, 5561, 5357, 5679, 5572, 5546, 5516, 5258, 5464, 5326, 5722, 5660, 5260, 5556, 5388, 5598, 5653, 5403 (6 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
24	9	1.0	333.0	No	5310.0MHz, -64.0dBm	5670, 5516, 5337, 5479, 5256, 5493, 5518, 5455, 5448, 5372, 5540, 5254, 5495, 5356, 5522, 5316, 5398, 5607, 5335, 5671, 5525, 5456, 5429, 5293, 5714, 5534, 5589, 5354, 5327, 5588, 5281, 5314, 5445, 5436, 5560, 5292, 5673, 5527, 5375, 5400, 5489, 5591, 5609, 5333, 5473, 5698, 5557, 5724, 5541, 5566, 5255, 5427, 5467, 5387, 5502, 5666, 5552, 5601, 5428, 5326, 5646, 5574, 5514, 5524, 5457, 5702, 5602, 5414, 5612, 5578, 5715, 5279, 5644, 5638, 5360, 5652, 5431, 5636, 5651, 5665, 5674, 5549, 5359, 5680, 5532, 5639, 5576, 5523, 5480, 5690, 5488, 5313, 5667, 5533, 5368, 5570, 5472, 5606, 5302, 5654 (5 hits)
25	9	1.0	333.0	Yes	5311.0MHz, -64.0dBm	5572, 5592, 5516, 5714, 5546, 5417, 5459, 5548, 5344, 5375, 5339, 5676, 5454, 5512, 5724, 5426, 5573, 5524, 5631, 5355, 5345, 5461, 5329, 5443, 5265, 5254, 5679, 5287, 5510, 5626, 5517, 5404, 5682, 5394, 5608, 5658, 5313, 5555, 5687, 5600, 5632, 5326, 5659, 5469, 5580, 5496, 5444, 5713, 5635, 5707, 5477, 5698, 5675, 5335, 5422, 5721, 5423, 5699, 5705, 5539, 5266, 5686, 5594, 5623, 5414, 5482, 5285, 5537, 5320, 5364, 5363, 5540, 5670, 5604, 5358, 5331, 5558, 5602, 5315, 5471, 5596, 5641, 5366, 5637, 5487, 5407, 5532, 5716, 5323, 5434, 5607, 5612, 5463, 5552, 5697, 5636, 5470, 5565, 5710, 5525 (7 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
26	9	1.0	333.0	Yes	5312.0MHz, -64.0dBm	5329, 5312, 5433, 5301, 5383, 5358, 5399, 5645, 5411, 5712, 5636, 5544, 5681, 5436, 5296, 5487, 5546, 5668, 5483, 5274, 5297, 5271, 5527, 5442, 5398, 5337, 5415, 5374, 5281, 5629, 5321, 5354, 5333, 5446, 5593, 5550, 5305, 5532, 5440, 5285, 5714, 5469, 5632, 5623, 5338, 5480, 5368, 5355, 5555, 5369, 5599, 5655, 5418, 5265, 5497, 5382, 5584, 5565, 5665, 5583, 5276, 5703, 5717, 5481, 5563, 5302, 5405, 5635, 5634, 5476, 5278, 5331, 5279, 5454, 5498, 5373, 5608, 5492, 5364, 5422, 5607, 5496, 5384, 5397, 5490, 5370, 5558, 5406, 5267, 5486, 5633, 5387, 5311, 5572, 5509, 5459, 5709, 5463, 5342, 5564 (5 hits)
27	9	1.0	333.0	Yes	5313.0MHz, -64.0dBm	5534, 5570, 5318, 5299, 5631, 5464, 5262, 5327, 5514, 5435, 5395, 5701, 5653, 5430, 5700, 5263, 5577, 5428, 5266, 5473, 5649, 5394, 5510, 5504, 5312, 5259, 5280, 5527, 5651, 5328, 5305, 5496, 5616, 5352, 5692, 5451, 5547, 5502, 5718, 5714, 5593, 5638, 5445, 5255, 5682, 5685, 5466, 5522, 5411, 5587, 5281, 5607, 5358, 5678, 5387, 5579, 5669, 5342, 5478, 5503, 5468, 5537, 5580, 5610, 5723, 5665, 5385, 5506, 5438, 5440, 5720, 5295, 5663, 5353, 5515, 5470, 5661, 5368, 5477, 5672, 5350, 5668, 5399, 5443, 5307, 5467, 5270, 5373, 5695, 5501, 5366, 5465, 5722, 5696, 5491, 5455, 5348, 5273, 5289, 5556 (4 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
28	9	1.0	333.0	Yes	5314.0MHz, -64.0dBm	5298, 5574, 5451, 5525, 5711, 5461, 5476, 5391, 5303, 5251, 5335, 5672, 5521, 5541, 5300, 5289, 5262, 5396, 5598, 5511, 5588, 5444, 5269, 5714, 5342, 5369, 5466, 5631, 5661, 5635, 5292, 5330, 5655, 5671, 5255, 5667, 5675, 5427, 5275, 5594, 5463, 5326, 5648, 5360, 5423, 5414, 5448, 5497, 5548, 5582, 5281, 5552, 5659, 5681, 5505, 5415, 5366, 5349, 5586, 5558, 5699, 5379, 5324, 5288, 5479, 5607, 5597, 5314, 5575, 5348, 5256, 5460, 5336, 5670, 5368, 5522, 5562, 5692, 5331, 5697, 5406, 5280, 5470, 5619, 5439, 5392, 5604, 5701, 5638, 5509, 5720, 5352, 5455, 5609, 5351, 5321, 5656, 5527, 5498, 5616 (6 hits)
29	9	1.0	333.0	Yes	5315.0MHz, -64.0dBm	5292, 5253, 5633, 5438, 5442, 5553, 5492, 5609, 5428, 5326, 5613, 5715, 5321, 5257, 5488, 5342, 5384, 5541, 5429, 5494, 5276, 5359, 5677, 5593, 5470, 5672, 5606, 5550, 5655, 5565, 5599, 5413, 5641, 5548, 5439, 5525, 5509, 5457, 5453, 5600, 5261, 5597, 5662, 5388, 5337, 5266, 5659, 5682, 5496, 5512, 5608, 5621, 5478, 5486, 5330, 5482, 5463, 5446, 5516, 5603, 5547, 5369, 5314, 5571, 5598, 5394, 5379, 5406, 5491, 5277, 5507, 5275, 5495, 5615, 5543, 5381, 5443, 5530, 5392, 5535, 5426, 5448, 5595, 5268, 5309, 5692, 5578, 5437, 5561, 5524, 5574, 5414, 5484, 5291, 5400, 5673, 5683, 5362, 5645, 5510 (5 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
30	9	1.0	333.0	Yes	5316.0MHz, -64.0dBm	5334, 5532, 5447, 5691, 5613, 5434, 5368, 5692, 5291, 5477, 5343, 5400, 5329, 5417, 5309, 5528, 5361, 5483, 5722, 5348, 5513, 5401, 5498, 5310, 5508, 5683, 5488, 5630, 5571, 5567, 5344, 5346, 5438, 5259, 5275, 5371, 5470, 5637, 5619, 5586, 5296, 5549, 5606, 5300, 5457, 5292, 5715, 5674, 5538, 5288, 5689, 5618, 5705, 5258, 5375, 5446, 5704, 5331, 5437, 5626, 5645, 5651, 5555, 5406, 5487, 5654, 5308, 5439, 5593, 5350, 5409, 5614, 5359, 5290, 5543, 5604, 5698, 5289, 5554, 5384, 5315, 5362, 5650, 5537, 5581, 5700, 5332, 5266, 5652, 5545, 5539, 5472, 5257, 5657, 5612, 5378, 5306, 5312, 5473, 5530 (6 hits)
31	9	1.0	333.0	Yes	5317.0MHz, -64.0dBm	5405, 5680, 5624, 5291, 5526, 5443, 5284, 5686, 5723, 5693, 5700, 5262, 5515, 5647, 5654, 5267, 5521, 5663, 5379, 5344, 5685, 5703, 5320, 5671, 5582, 5329, 5565, 5433, 5541, 5312, 5556, 5374, 5491, 5664, 5622, 5299, 5467, 5471, 5481, 5450, 5363, 5706, 5581, 5472, 5594, 5279, 5670, 5352, 5598, 5290, 5593, 5674, 5331, 5346, 5497, 5253, 5531, 5314, 5609, 5652, 5473, 5719, 5259, 5385, 5573, 5571, 5476, 5575, 5611, 5406, 5328, 5537, 5358, 5549, 5380, 5638, 5667, 5468, 5269, 5554, 5278, 5354, 5392, 5630, 5440, 5610, 5349, 5563, 5561, 5327, 5419, 5390, 5620, 5524, 5407, 5376, 5444, 5702, 5579, 5409 (7 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
32	9	1.0	333.0	Yes	5318.0MHz, -64.0dBm	5476, 5721, 5422, 5551, 5417, 5265, 5434, 5621, 5553, 5479, 5697, 5703, 5268, 5297, 5504, 5648, 5333, 5267, 5644, 5374, 5525, 5604, 5531, 5287, 5449, 5347, 5291, 5260, 5698, 5404, 5622, 5518, 5332, 5628, 5324, 5599, 5375, 5276, 5549, 5459, 5254, 5352, 5555, 5457, 5370, 5313, 5351, 5481, 5342, 5685, 5488, 5323, 5536, 5484, 5564, 5387, 5348, 5326, 5403, 5529, 5701, 5623, 5568, 5498, 5359, 5372, 5711, 5284, 5325, 5416, 5371, 5257, 5329, 5690, 5582, 5496, 5256, 5356, 5448, 5591, 5716, 5308, 5609, 5583, 5532, 5264, 5369, 5420, 5480, 5437, 5503, 5682, 5430, 5521, 5542, 5579, 5667, 5602, 5712, 5346 (6 hits)
33	9	1.0	333.0	Yes	5319.0MHz, -64.0dBm	5702, 5679, 5436, 5412, 5580, 5360, 5514, 5521, 5439, 5345, 5707, 5300, 5698, 5601, 5434, 5616, 5539, 5630, 5582, 5427, 5463, 5667, 5684, 5612, 5678, 5654, 5424, 5659, 5720, 5283, 5511, 5280, 5357, 5269, 5668, 5649, 5682, 5506, 5705, 5312, 5470, 5644, 5561, 5320, 5361, 5602, 5572, 5708, 5570, 5487, 5507, 5379, 5592, 5552, 5504, 5275, 5598, 5337, 5643, 5390, 5310, 5258, 5617, 5686, 5706, 5267, 5713, 5472, 5703, 5568, 5336, 5469, 5266, 5547, 5522, 5270, 5366, 5295, 5672, 5423, 5619, 5639, 5671, 5546, 5375, 5496, 5257, 5475, 5500, 5681, 5338, 5517, 5274, 5285, 5431, 5683, 5594, 5271, 5581, 5302 (3 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
34	9	1.0	333.0	Yes	5320.0MHz, -64.0dBm	5448, 5550, 5696, 5436, 5549, 5472, 5325, 5589, 5682, 5536, 5345, 5546, 5439, 5342, 5394, 5556, 5259, 5502, 5406, 5370, 5254, 5433, 5355, 5316, 5463, 5352, 5347, 5641, 5320, 5422, 5583, 5642, 5405, 5291, 5530, 5447, 5578, 5378, 5435, 5271, 5412, 5689, 5648, 5684, 5543, 5416, 5670, 5659, 5518, 5415, 5644, 5513, 5424, 5505, 5601, 5379, 5709, 5446, 5268, 5417, 5544, 5318, 5673, 5465, 5722, 5414, 5506, 5260, 5501, 5494, 5400, 5310, 5552, 5258, 5620, 5376, 5356, 5428, 5710, 5717, 5646, 5638, 5568, 5504, 5359, 5304, 5303, 5607, 5509, 5387, 5251, 5401, 5453, 5605, 5360, 5469, 5363, 5257, 5487, 5403 (5 hits)
35	9	1.0	333.0	Yes	5321.0MHz, -64.0dBm	5588, 5682, 5621, 5526, 5325, 5693, 5721, 5565, 5554, 5718, 5340, 5286, 5304, 5396, 5440, 5293, 5470, 5415, 5449, 5528, 5341, 5452, 5498, 5281, 5609, 5696, 5660, 5523, 5681, 5512, 5313, 5323, 5616, 5626, 5417, 5384, 5272, 5445, 5297, 5357, 5285, 5362, 5321, 5435, 5536, 5481, 5264, 5300, 5460, 5564, 5514, 5576, 5469, 5552, 5700, 5692, 5412, 5687, 5387, 5640, 5372, 5402, 5267, 5667, 5680, 5584, 5610, 5368, 5542, 5618, 5266, 5410, 5367, 5671, 5636, 5371, 5261, 5560, 5622, 5427, 5299, 5657, 5289, 5597, 5520, 5260, 5322, 5716, 5258, 5533, 5263, 5524, 5443, 5483, 5294, 5678, 5390, 5359, 5352, 5456 (5 hits)

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Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
36	9	1.0	333.0	Yes	5322.0MHz, -64.0dBm	5656, 5272, 5683, 5431, 5636, 5318, 5592, 5694, 5393, 5334, 5328, 5290, 5508, 5319, 5653, 5258, 5458, 5450, 5446, 5329, 5333, 5560, 5704, 5362, 5635, 5524, 5383, 5271, 5434, 5481, 5438, 5359, 5260, 5408, 5526, 5309, 5561, 5648, 5478, 5517, 5595, 5640, 5532, 5718, 5568, 5256, 5287, 5719, 5623, 5510, 5475, 5259, 5391, 5630, 5444, 5655, 5572, 5689, 5529, 5559, 5286, 5626, 5506, 5603, 5673, 5445, 5670, 5321, 5638, 5593, 5299, 5360, 5525, 5429, 5419, 5663, 5365, 5291, 5710, 5588, 5305, 5553, 5456, 5397, 5549, 5448, 5686, 5413, 5262, 5345, 5322, 5681, 5449, 5664, 5381, 5298, 5698, 5398, 5395, 5503 (7 hits)
37	9	1.0	333.0	Yes	5323.0MHz, -64.0dBm	5634, 5710, 5673, 5302, 5326, 5338, 5475, 5669, 5665, 5605, 5569, 5551, 5663, 5343, 5339, 5627, 5714, 5527, 5651, 5638, 5315, 5644, 5406, 5393, 5660, 5514, 5363, 5410, 5323, 5642, 5470, 5415, 5368, 5444, 5522, 5434, 5300, 5409, 5507, 5653, 5283, 5296, 5517, 5259, 5688, 5462, 5294, 5537, 5719, 5536, 5378, 5269, 5526, 5685, 5403, 5425, 5445, 5349, 5286, 5533, 5545, 5647, 5607, 5501, 5384, 5591, 5328, 5635, 5446, 5359, 5683, 5595, 5691, 5279, 5380, 5420, 5309, 5358, 5297, 5253, 5682, 5720, 5330, 5494, 5392, 5703, 5329, 5356, 5568, 5500, 5467, 5631, 5502, 5676, 5318, 5442, 5725, 5386, 5483, 5452 (8 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
38	9	1.0	333.0	Yes	5324.0MHz, -64.0dBm	5489, 5275, 5599, 5332, 5623, 5279, 5453, 5541, 5380, 5609, 5657, 5533, 5557, 5328, 5334, 5539, 5688, 5485, 5434, 5562, 5692, 5408, 5636, 5603, 5336, 5420, 5571, 5669, 5506, 5478, 5372, 5587, 5375, 5331, 5696, 5683, 5706, 5319, 5566, 5429, 5476, 5724, 5482, 5641, 5386, 5258, 5569, 5619, 5496, 5674, 5437, 5396, 5445, 5710, 5654, 5397, 5428, 5424, 5360, 5432, 5470, 5264, 5668, 5487, 5559, 5682, 5363, 5461, 5502, 5354, 5431, 5421, 5552, 5574, 5508, 5438, 5394, 5395, 5296, 5423, 5691, 5638, 5671, 5266, 5419, 5414, 5282, 5389, 5315, 5357, 5596, 5584, 5593, 5359, 5261, 5645, 5697, 5524, 5536, 5337 (4 hits)
39	9	1.0	333.0	Yes	5325.0MHz, -64.0dBm	5616, 5681, 5655, 5408, 5353, 5543, 5605, 5309, 5272, 5718, 5416, 5367, 5537, 5410, 5255, 5417, 5435, 5316, 5377, 5258, 5492, 5356, 5457, 5322, 5559, 5456, 5719, 5277, 5519, 5274, 5594, 5644, 5701, 5645, 5489, 5713, 5439, 5472, 5602, 5336, 5544, 5617, 5604, 5626, 5271, 5321, 5643, 5666, 5419, 5659, 5468, 5609, 5509, 5335, 5266, 5341, 5522, 5382, 5500, 5317, 5407, 5281, 5622, 5705, 5571, 5364, 5340, 5525, 5512, 5670, 5565, 5682, 5251, 5686, 5402, 5429, 5531, 5706, 5304, 5597, 5615, 5391, 5483, 5596, 5679, 5259, 5444, 5656, 5618, 5566, 5383, 5667, 5580, 5613, 5709, 5478, 5592, 5567, 5376, 5326 (6 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
40	9	1.0	333.0	Yes	5326.0MHz, -64.0dBm	5368, 5511, 5706, 5569, 5457, 5581, 5352, 5539, 5460, 5361, 5275, 5557, 5277, 5610, 5395, 5711, 5279, 5355, 5411, 5358, 5305, 5694, 5556, 5484, 5285, 5257, 5655, 5455, 5613, 5261, 5437, 5258, 5609, 5371, 5623, 5699, 5507, 5619, 5524, 5367, 5474, 5374, 5345, 5643, 5627, 5413, 5393, 5321, 5586, 5493, 5491, 5363, 5495, 5287, 5634, 5687, 5629, 5723, 5273, 5540, 5304, 5463, 5472, 5570, 5568, 5452, 5652, 5333, 5503, 5280, 5696, 5545, 5591, 5450, 5485, 5566, 5638, 5465, 5438, 5259, 5695, 5602, 5359, 5705, 5663, 5289, 5528, 5338, 5263, 5488, 5514, 5464, 5473, 5538, 5317, 5328, 5347, 5708, 5626, 5585 (3 hits)
41	9	1.0	333.0	Yes	5327.0MHz, -64.0dBm	5624, 5721, 5659, 5456, 5707, 5413, 5476, 5374, 5436, 5337, 5628, 5553, 5440, 5320, 5304, 5642, 5515, 5426, 5621, 5537, 5296, 5589, 5706, 5647, 5434, 5719, 5697, 5439, 5354, 5276, 5455, 5384, 5519, 5444, 5380, 5718, 5425, 5474, 5525, 5300, 5652, 5284, 5347, 5486, 5463, 5546, 5653, 5529, 5392, 5588, 5568, 5687, 5252, 5394, 5540, 5648, 5291, 5333, 5572, 5650, 5566, 5297, 5407, 5497, 5288, 5695, 5338, 5362, 5270, 5381, 5488, 5696, 5325, 5390, 5264, 5523, 5535, 5616, 5262, 5691, 5292, 5544, 5685, 5651, 5513, 5683, 5350, 5273, 5375, 5255, 5370, 5342, 5610, 5494, 5355, 5447, 5517, 5548, 5597, 5620 (2 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
42	9	1.0	333.0	Yes	5328.0MHz, -64.0dBm	5411, 5527, 5554, 5316, 5541, 5691, 5263, 5445, 5459, 5406, 5575, 5455, 5323, 5697, 5687, 5616, 5409, 5317, 5566, 5580, 5495, 5701, 5301, 5452, 5670, 5442, 5379, 5290, 5419, 5655, 5526, 5353, 5299, 5395, 5268, 5689, 5539, 5342, 5454, 5279, 5273, 5529, 5386, 5451, 5584, 5341, 5469, 5629, 5369, 5391, 5482, 5472, 5362, 5387, 5601, 5679, 5259, 5694, 5493, 5661, 5559, 5439, 5281, 5416, 5348, 5514, 5620, 5449, 5366, 5327, 5474, 5338, 5673, 5536, 5603, 5658, 5297, 5425, 5623, 5611, 5630, 5648, 5713, 5291, 5558, 5355, 5711, 5370, 5617, 5596, 5443, 5326, 5549, 5705, 5556, 5424, 5543, 5384, 5494, 5634 (5 hits)
43	9	1.0	333.0	Yes	5329.0MHz, -64.0dBm	5628, 5372, 5428, 5343, 5615, 5272, 5625, 5570, 5431, 5558, 5666, 5460, 5319, 5637, 5432, 5449, 5700, 5687, 5379, 5664, 5340, 5566, 5522, 5706, 5350, 5269, 5496, 5696, 5604, 5358, 5519, 5690, 5638, 5505, 5466, 5517, 5601, 5691, 5326, 5717, 5656, 5404, 5419, 5659, 5588, 5592, 5598, 5377, 5378, 5591, 5452, 5393, 5644, 5550, 5277, 5416, 5540, 5654, 5537, 5364, 5575, 5307, 5344, 5703, 5678, 5339, 5311, 5608, 5461, 5286, 5453, 5518, 5531, 5315, 5689, 5571, 5495, 5670, 5661, 5714, 5594, 5422, 5533, 5622, 5646, 5683, 5394, 5709, 5486, 5480, 5308, 5538, 5562, 5420, 5439, 5722, 5371, 5273, 5423, 5356 (4 hits)

Table 89 - FCC frequency hopping radar (Type 6) Results XN-8 20MHz BW						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Hop seq.
44	9	1.0	333.0	No	5330.0MHz, -64.0dBm	5614, 5676, 5627, 5485, 5675, 5280, 5506, 5649, 5611, 5688, 5463, 5499, 5710, 5324, 5303, 5706, 5415, 5281, 5536, 5624, 5282, 5606, 5646, 5599, 5697, 5664, 5622, 5566, 5651, 5709, 5698, 5644, 5600, 5493, 5693, 5639, 5287, 5491, 5270, 5553, 5401, 5329, 5585, 5720, 5441, 5309, 5315, 5540, 5397, 5330, 5632, 5468, 5276, 5472, 5716, 5265, 5516, 5391, 5433, 5673, 5513, 5582, 5628, 5520, 5357, 5319, 5605, 5421, 5383, 5533, 5427, 5292, 5436, 5396, 5625, 5443, 5497, 5541, 5713, 5471, 5343, 5333, 5527, 5626, 5462, 5304, 5597, 5567, 5384, 5414, 5335, 5368, 5565, 5278, 5453, 5320, 5660, 5631, 5487, 5598 (7 hits)
45	9	1.0	333.0	No	5331.0MHz, -64.0dBm	5576, 5266, 5317, 5547, 5329, 5513, 5677, 5288, 5384, 5708, 5603, 5372, 5398, 5361, 5409, 5405, 5721, 5510, 5508, 5468, 5661, 5700, 5612, 5556, 5311, 5440, 5703, 5251, 5523, 5430, 5566, 5579, 5644, 5597, 5598, 5364, 5589, 5619, 5344, 5564, 5313, 5487, 5419, 5456, 5464, 5595, 5353, 5274, 5529, 5701, 5475, 5624, 5660, 5319, 5382, 5452, 5417, 5630, 5713, 5453, 5307, 5580, 5340, 5404, 5302, 5590, 5665, 5553, 5480, 5669, 5618, 5671, 5502, 5309, 5574, 5682, 5685, 5271, 5522, 5552, 5481, 5596, 5448, 5272, 5672, 5371, 5494, 5444, 5290, 5422, 5493, 5599, 5449, 5634, 5614, 5658, 5647, 5611, 5286, 5432 (6 hits)

Table 90 - Long Sequence Waveform Summary XN-8 20MHz BW		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5260.0MHz, -64.0dBm
Trial #2	Detected	5260.0MHz, -64.0dBm
Trial #3	Detected	5260.0MHz, -64.0dBm
Trial #4	Detected	5260.0MHz, -64.0dBm
Trial #5	Detected	5260.0MHz, -64.0dBm
Trial #6	Detected	5260.0MHz, -64.0dBm
Trial #7	Detected	5260.0MHz, -64.0dBm
Trial #8	Detected	5260.0MHz, -64.0dBm
Trial #9	Detected	5260.0MHz, -64.0dBm
Trial #10	Detected	5260.0MHz, -64.0dBm
Trial #11	Detected	5260.0MHz, -64.0dBm
Trial #12	Detected	5260.0MHz, -64.0dBm
Trial #13	Detected	5260.0MHz, -64.0dBm
Trial #14	Detected	5260.0MHz, -64.0dBm
Trial #15	Detected	5260.0MHz, -64.0dBm
Trial #16	Detected	5260.0MHz, -64.0dBm
Trial #17	Detected	5260.0MHz, -64.0dBm
Trial #18	Detected	5260.0MHz, -64.0dBm
Trial #19	Detected	5260.0MHz, -64.0dBm
Trial #20	Detected	5260.0MHz, -64.0dBm
Trial #21	Detected	5260.0MHz, -64.0dBm
Trial #22	Detected	5260.0MHz, -64.0dBm
Trial #23	Detected	5260.0MHz, -64.0dBm
Trial #24	Detected	5260.0MHz, -64.0dBm
Trial #25	Detected	5260.0MHz, -64.0dBm
Trial #26	Detected	5260.0MHz, -64.0dBm

Table 90 - Long Sequence Waveform Summary XN-8 20MHz BW		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #27	Detected	5260.0MHz, -64.0dBm
Trial #28	Detected	5260.0MHz, -64.0dBm
Trial #29	Detected	5260.0MHz, -64.0dBm
Trial #30	Detected	5260.0MHz, -64.0dBm

Table 91 - XN-8 20MHz BW Long Sequence Waveform Trial#1 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	84.2	8	1419.0	-	0.483637
1	2	54.0	17	1268.0	-	1.073631
2	2	65.2	11	1550.0	-	1.802219
3	2	79.2	9	1113.0	-	2.922645
4	2	80.9	10	1361.0	-	4.074335
5	2	75.5	9	1402.0	-	4.689050
6	1	96.0	11	-	-	5.257323
7	1	58.6	14	-	-	6.242232
8	1	90.8	7	-	-	6.874301
9	2	63.5	19	1229.0	-	7.900303
10	1	97.9	11	-	-	9.358976
11	2	86.0	14	1979.0	-	9.878484
12	2	71.3	10	1979.0	-	10.321981
13	2	59.0	6	1541.0	-	11.289857

Table 92 - XN-8 20MHz BW Long Sequence Waveform Trial#2 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	56.5	20	-	-	0.485453
1	2	53.1	9	1541.0	-	2.097672
2	3	89.5	8	1789.0	1954.0	3.021315
3	2	65.0	10	1060.0	-	4.727299
4	3	70.7	11	1028.0	1732.0	6.602337
5	2	64.1	14	1292.0	-	8.057677
6	1	67.9	20	-	-	10.143023
7	3	84.1	18	1336.0	1720.0	10.692466

Table 93 - XN-8 20MHz BW Long Sequence Waveform Trial#3 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	58.7	15	1962.0	-	0.931712
1	3	75.6	14	1959.0	1774.0	2.143693
2	3	93.4	18	1074.0	1287.0	3.645032
3	1	61.8	6	-	-	4.374408
4	2	92.8	8	1441.0	-	6.377171
5	3	52.6	6	1867.0	1732.0	7.690423
6	3	51.5	12	1892.0	1232.0	8.559151
7	1	56.8	19	-	-	10.181175

Table 93 - XN-8 20MHz BW Long Sequence Waveform Trial#3 (Detected)
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
8	1	82.5	18	-	-	11.295283

Table 94 - XN-8 20MHz BW Long Sequence Waveform Trial#4 (Detected)
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	83.5	12	1799.0	-	0.783119
1	2	96.6	13	1902.0	-	0.851965
2	2	64.1	9	1042.0	-	1.961232
3	1	66.1	7	-	-	2.733510
4	3	94.5	14	1037.0	1115.0	3.435455
5	3	59.0	9	1037.0	1731.0	4.744217
6	2	99.0	16	1090.0	-	5.545459
7	2	92.4	7	1310.0	-	6.250656
8	1	71.6	16	-	-	7.126669
9	2	66.0	11	1719.0	-	7.405093
10	2	69.3	6	1039.0	-	8.570190
11	2	66.7	18	1586.0	-	9.489431
12	3	71.0	5	1710.0	1987.0	10.394793
13	1	56.9	10	-	-	10.575487
14	2	54.6	15	1866.0	-	11.421351

Table 95 - XN-8 20MHz BW Long Sequence Waveform Trial#5 (Detected)
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	81.0	8	1212.0	-	0.011010
1	1	67.0	18	-	-	1.775071
2	2	83.9	7	1227.0	-	3.134363
3	2	51.2	5	1277.0	-	4.667545
4	3	80.7	19	1183.0	1389.0	5.543254
5	2	86.4	8	1046.0	-	6.827049
6	1	63.8	7	-	-	8.122576
7	1	50.1	11	-	-	8.925977
8	2	87.3	17	1161.0	-	9.691180
9	2	93.3	14	1590.0	-	10.924962

Table 96 - XN-8 20MHz BW Long Sequence Waveform Trial#6 (Detected)
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	98.8	13	1729.0	1368.0	0.594700
1	2	67.8	17	1089.0	-	1.014172
2	3	89.2	16	1132.0	1727.0	2.047210
3	2	93.5	11	1792.0	-	2.707760
4	2	98.9	14	1488.0	-	3.747155
5	3	80.9	15	1026.0	1599.0	3.872169
6	2	73.4	13	1680.0	-	4.638810
7	2	72.4	16	1834.0	-	5.283468
8	2	85.2	14	1944.0	-	6.274309
9	3	61.8	9	1722.0	1739.0	7.387420
10	3	65.0	15	1631.0	1828.0	8.000134

Table 96 - XN-8 20MHz BW Long Sequence Waveform Trial#6 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
11	3	94.9	10	1691.0	1665.0	8.358225
12	3	89.7	8	1626.0	1582.0	9.734227
13	2	52.0	15	1460.0	-	10.261555
14	2	90.9	17	1861.0	-	10.531926
15	3	68.8	19	1213.0	1972.0	11.802571

Table 97 - XN-8 20MHz BW Long Sequence Waveform Trial#7 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	69.0	5	-	-	0.443135
1	2	75.9	17	1203.0	-	0.893134
2	1	69.4	15	-	-	1.514283
3	2	81.7	14	1016.0	-	2.780347
4	2	87.7	12	1502.0	-	3.302137
5	3	60.4	17	1095.0	1441.0	4.185305
6	2	94.5	6	1123.0	-	4.875536
7	2	85.3	8	1588.0	-	5.281624
8	2	66.7	9	1652.0	-	6.227103
9	2	73.4	17	1508.0	-	6.525090
10	3	71.1	11	1965.0	1428.0	7.375741
11	2	85.8	12	1622.0	-	8.452900
12	3	97.9	20	1429.0	1355.0	8.481945
13	2	89.1	20	1747.0	-	9.345245
14	1	66.6	18	-	-	10.436293
15	2	60.7	16	1303.0	-	10.722499
16	2	71.8	6	1415.0	-	11.536773

Table 98 - XN-8 20MHz BW Long Sequence Waveform Trial#8 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	58.4	18	1038.0	1839.0	0.087336
1	3	97.2	18	1106.0	1427.0	0.687983
2	1	51.5	10	-	-	1.516854
3	1	54.1	12	-	-	2.239350
4	2	93.5	8	1977.0	-	2.871406
5	2	98.5	19	1466.0	-	3.330369
6	3	96.7	13	1784.0	1713.0	4.173242
7	1	99.9	12	-	-	4.975155
8	2	91.7	10	1366.0	-	5.161424
9	2	74.1	8	1920.0	-	5.897023
10	1	53.2	18	-	-	6.678248
11	1	97.0	6	-	-	7.539804
12	2	71.2	19	1465.0	-	8.122795
13	2	90.5	10	1931.0	-	8.254903
14	2	77.6	13	1266.0	-	9.066688
15	2	57.3	13	1269.0	-	9.620604
16	2	67.5	9	1093.0	-	10.688938
17	2	73.5	6	1044.0	-	11.312009
18	2	89.1	20	1768.0	-	11.447036

Table 99 - XN-8 20MHz BW Long Sequence Waveform Trial#9 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	80.3	12	1325.0	-	0.695012
1	1	76.5	14	-	-	1.054396
2	3	79.3	16	1657.0	1626.0	2.053122
3	2	71.0	15	1581.0	-	3.156451
4	3	74.2	5	1469.0	1345.0	3.815825
5	3	99.5	16	2000.0	1218.0	4.452113
6	2	72.1	20	1090.0	-	5.708174
7	2	73.4	8	1624.0	-	6.327722
8	1	95.1	10	-	-	7.307099
9	1	65.3	13	-	-	8.489132
10	1	80.2	10	-	-	9.113285
11	2	95.4	18	1962.0	-	10.040687
12	3	77.3	19	1231.0	1391.0	10.397248
13	3	52.7	7	1510.0	1910.0	11.761799

Table 100 - XN-8 20MHz BW Long Sequence Waveform Trial#10 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	84.9	16	1706.0	1733.0	0.525758
1	3	73.0	17	1383.0	1448.0	1.050928
2	1	56.7	12	-	-	1.467603
3	3	90.1	7	1692.0	1514.0	2.444377
4	1	86.9	10	-	-	2.979454
5	3	60.2	20	1961.0	1498.0	3.767212
6	1	58.0	20	-	-	4.102846
7	2	84.8	17	1091.0	-	4.606222
8	2	59.6	19	1619.0	-	5.163780
9	2	66.5	19	1340.0	-	5.915846
10	1	96.3	8	-	-	6.904627
11	3	97.0	20	1387.0	1939.0	7.313638
12	2	69.3	10	1591.0	-	7.952186
13	2	78.6	16	1599.0	-	8.490108
14	1	96.9	7	-	-	9.453874
15	2	53.0	13	1347.0	-	9.841259
16	3	75.3	9	1278.0	1797.0	10.151767
17	1	57.9	18	-	-	11.100535
18	1	65.3	16	-	-	11.887367

Table 101 - XN-8 20MHz BW Long Sequence Waveform Trial#11 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	65.8	8	1968.0	-	0.259394
1	3	86.9	10	1388.0	1406.0	1.286243
2	1	64.9	14	-	-	1.617352
3	2	60.1	15	1518.0	-	2.496237
4	2	73.3	10	1311.0	-	3.249072
5	1	59.5	7	-	-	4.080725
6	3	83.6	17	1982.0	1895.0	5.116089
7	1	86.8	11	-	-	6.222676
8	2	90.5	8	1490.0	-	6.773589

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
Table 101 - XN-8 20MHz BW Long Sequence Waveform Trial#11 (Detected)						
9	2	85.3	10	1025.0	-	7.435924
10	2	52.7	11	1004.0	-	8.389105
11	3	84.0	6	1014.0	1208.0	8.926646
12	1	57.0	14	-	-	10.325350
13	2	77.8	5	1262.0	-	10.712417
14	3	54.8	17	1977.0	1529.0	11.786480

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
Table 102 - XN-8 20MHz BW Long Sequence Waveform Trial#12 (Detected)						
0	3	63.1	20	1184.0	1370.0	0.748913
1	1	52.2	8	-	-	1.405647
2	2	98.5	11	1103.0	-	1.857102
3	3	56.0	15	1753.0	1140.0	3.080280
4	3	79.3	9	1492.0	1003.0	4.202482
5	1	61.5	20	-	-	5.168477
6	2	89.7	11	1621.0	-	5.893666
7	1	69.5	7	-	-	6.524741
8	2	70.8	9	1766.0	-	7.646661
9	2	66.4	10	1213.0	-	8.757078
10	2	99.1	8	1159.0	-	9.582299
11	3	68.0	8	1852.0	1616.0	10.854610
12	1	78.0	8	-	-	11.378028

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
Table 103 - XN-8 20MHz BW Long Sequence Waveform Trial#13 (Detected)						
0	1	59.5	9	-	-	0.575610
1	2	68.3	13	1318.0	-	1.944221
2	1	69.0	11	-	-	2.979087
3	2	51.5	19	1861.0	-	4.431878
4	1	57.1	13	-	-	5.394488
5	3	57.7	15	1935.0	1613.0	6.791763
6	3	84.9	16	1032.0	1488.0	8.290846
7	2	54.4	19	1910.0	-	8.998897
8	2	91.7	5	1765.0	-	10.585277
9	2	87.1	10	1292.0	-	11.363647

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
Table 104 - XN-8 20MHz BW Long Sequence Waveform Trial#14 (Detected)						
0	2	94.6	20	1024.0	-	0.430808
1	3	75.5	6	1972.0	1372.0	1.105033
2	2	88.1	15	1224.0	-	2.025002
3	1	71.9	12	-	-	2.772607
4	2	69.6	20	1531.0	-	3.647668
5	2	64.2	9	1022.0	-	4.094311
6	2	57.6	17	1716.0	-	5.331953
7	1	93.4	8	-	-	5.623649

Table 104 - XN-8 20MHz BW Long Sequence Waveform Trial#14 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
8	2	61.4	17	1019.0	-	7.109220
9	2	50.6	11	1740.0	-	7.923468
10	1	59.4	5	-	-	8.202057
11	2	66.2	10	1522.0	-	9.361953
12	3	86.5	19	1753.0	1488.0	10.200781
13	2	57.7	12	1141.0	-	10.418977
14	2	92.9	11	1379.0	-	11.450943

Table 105 - XN-8 20MHz BW Long Sequence Waveform Trial#15 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	58.3	8	1595.0	-	0.233020
1	3	63.6	20	1335.0	1270.0	0.800327
2	1	50.7	6	-	-	1.516918
3	2	76.4	11	1375.0	-	2.830496
4	3	91.4	16	1387.0	1792.0	3.049888
5	2	81.3	13	1892.0	-	4.493861
6	2	59.7	17	1266.0	-	5.095586
7	1	77.6	6	-	-	5.734290
8	3	66.1	17	1677.0	1485.0	6.275311
9	1	77.3	10	-	-	7.101555
10	3	59.5	8	1790.0	1536.0	8.191574
11	1	63.6	15	-	-	8.852176
12	1	57.4	20	-	-	9.535275
13	2	67.2	11	1826.0	-	9.860454
14	1	86.9	6	-	-	11.133359
15	3	95.5	12	1112.0	1709.0	11.778294

Table 106 - XN-8 20MHz BW Long Sequence Waveform Trial#16 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	72.8	17	1102.0	-	0.081620
1	2	65.5	7	1656.0	-	1.184165
2	3	82.6	17	1170.0	1526.0	2.205871
3	1	52.0	15	-	-	2.719438
4	2	87.1	19	1040.0	-	3.251169
5	2	95.2	5	1300.0	-	4.118524
6	2	65.5	6	1004.0	-	4.972706
7	2	99.3	14	1293.0	-	6.376773
8	2	73.7	16	1223.0	-	7.057058
9	3	92.0	15	1485.0	1505.0	7.961797
10	2	92.8	19	1018.0	-	8.646223
11	2	57.7	8	1979.0	-	9.586709
12	1	85.1	14	-	-	10.222228
13	3	98.5	17	1134.0	1149.0	10.924412
14	2	57.8	7	1415.0	-	11.434471

Table 107 - XN-8 20MHz BW Long Sequence Waveform Trial#17 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	64.6	11	-	-	0.067313
1	2	71.2	17	1856.0	-	1.074675
2	3	79.4	7	1057.0	1260.0	2.196426
3	3	90.1	19	1708.0	1986.0	3.489255
4	2	99.3	13	1692.0	-	4.098843
5	2	63.2	14	1578.0	-	5.913228
6	2	78.7	8	1045.0	-	6.111118
7	2	52.3	8	1020.0	-	7.192115
8	2	76.9	7	1077.0	-	8.340202
9	3	96.8	9	1786.0	1397.0	9.844626
10	3	66.4	12	1612.0	1317.0	10.149142
11	2	98.1	10	1051.0	-	11.376552

Table 108 - XN-8 20MHz BW Long Sequence Waveform Trial#18 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	73.0	9	1192.0	-	0.282047
1	3	71.4	6	1902.0	1692.0	1.734671
2	2	96.2	16	1710.0	-	2.401792
3	3	94.4	13	1192.0	1060.0	3.739643
4	1	55.4	11	-	-	4.395067
5	2	92.5	9	1622.0	-	5.558837
6	1	51.6	16	-	-	6.694811
7	2	94.8	8	1798.0	-	7.912951
8	3	72.3	6	1446.0	1313.0	9.477101
9	2	98.5	9	1146.0	-	10.018153
10	2	95.0	14	1380.0	-	11.260589

Table 109 - XN-8 20MHz BW Long Sequence Waveform Trial#19 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	56.3	20	1292.0	-	0.000914
1	2	65.6	9	1324.0	-	0.796320
2	3	88.5	11	1792.0	1074.0	1.965395
3	2	68.3	20	1558.0	-	2.961960
4	1	67.4	13	-	-	3.114360
5	3	94.1	18	1600.0	1516.0	4.139928
6	1	69.5	12	-	-	4.821714
7	2	59.9	20	1602.0	-	5.261445
8	3	64.1	14	1472.0	1110.0	6.576383
9	2	59.7	13	1051.0	-	7.317058
10	1	85.7	12	-	-	7.905913
11	3	79.3	6	1835.0	1204.0	8.399740
12	1	76.8	7	-	-	9.395892
13	2	61.1	19	1094.0	-	10.200153
14	3	59.7	20	1556.0	1059.0	10.891419
15	2	72.0	15	1370.0	-	11.384839

Table 110 - XN-8 20MHz BW Long Sequence Waveform Trial#20 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	54.9	18	1564.0	-	0.495883
1	3	74.4	10	1013.0	1800.0	1.048269
2	1	90.2	9	-	-	2.376127
3	1	81.2	7	-	-	3.434277
4	2	96.0	17	1317.0	-	4.232875
5	1	58.7	13	-	-	5.536200
6	2	56.6	7	1250.0	-	6.766382
7	2	56.4	13	1565.0	-	7.742562
8	2	50.2	8	1537.0	-	8.645018
9	3	76.9	17	1856.0	1968.0	9.818116
10	3	85.9	11	1238.0	1171.0	10.132127
11	3	58.1	8	1890.0	1638.0	11.943988

Table 111 - XN-8 20MHz BW Long Sequence Waveform Trial#21 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	80.2	8	-	-	0.030372
1	2	76.6	9	1423.0	-	1.468861
2	3	74.4	13	1947.0	1218.0	2.931536
3	2	64.4	9	1222.0	-	4.824103
4	2	69.6	14	1854.0	-	5.956444
5	1	57.1	15	-	-	7.714910
6	3	71.2	11	1621.0	1545.0	8.720184
7	2	98.6	16	1088.0	-	9.787532
8	1	74.3	13	-	-	10.993626

Table 112 - XN-8 20MHz BW Long Sequence Waveform Trial#22 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	58.1	17	1913.0	-	0.449517
1	1	79.2	15	-	-	0.693176
2	1	96.7	20	-	-	1.576151
3	2	62.9	6	1412.0	-	2.051665
4	3	64.4	17	1989.0	1075.0	2.785818
5	2	82.2	16	1696.0	-	3.269092
6	2	59.0	11	1672.0	-	4.075026
7	2	99.1	16	1086.0	-	4.299399
8	1	55.4	15	-	-	5.395748
9	2	60.2	13	1159.0	-	5.704573
10	1	56.8	12	-	-	6.037669
11	2	50.1	6	1096.0	-	6.793166
12	1	78.5	9	-	-	7.775588
13	2	54.1	18	1618.0	-	8.395326
14	1	90.5	9	-	-	8.727646
15	1	60.9	5	-	-	9.367764
16	2	74.4	9	1275.0	-	9.648228
17	2	53.1	11	1982.0	-	10.467002
18	1	75.6	7	-	-	10.941158
19	3	68.8	16	1783.0	1115.0	11.830635

Table 113 - XN-8 20MHz BW Long Sequence Waveform Trial#23 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	50.6	5	1791.0	-	1.039043
1	2	90.6	14	1384.0	-	1.647113
2	1	92.5	8	-	-	3.311392
3	2	73.0	18	1002.0	-	4.576484
4	3	87.2	9	1305.0	1711.0	4.819219
5	3	75.5	17	1614.0	1186.0	6.098100
6	2	84.4	6	1038.0	-	7.341206
7	1	52.7	18	-	-	9.085795
8	2	76.4	16	1754.0	-	10.636896
9	3	96.3	8	1072.0	1095.0	11.882468

Table 114 - XN-8 20MHz BW Long Sequence Waveform Trial#24 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	64.1	19	1430.0	1061.0	0.647730
1	1	94.0	19	-	-	1.009668
2	2	63.2	14	1691.0	-	2.348609
3	2	74.0	9	1655.0	-	3.003291
4	2	97.2	11	1099.0	-	3.379530
5	2	68.2	10	1194.0	-	4.003047
6	3	86.6	18	1425.0	1092.0	5.291142
7	2	96.2	9	1404.0	-	5.823187
8	1	74.1	7	-	-	6.955138
9	2	93.2	9	1087.0	-	7.785605
10	3	52.9	19	1102.0	1150.0	8.324595
11	2	66.0	7	1705.0	-	9.043916
12	2	66.3	15	1994.0	-	10.044876
13	3	57.7	14	1229.0	1378.0	10.800892
14	1	100.0	8	-	-	11.997136

Table 115 - XN-8 20MHz BW Long Sequence Waveform Trial#25 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	79.2	19	-	-	0.635733
1	2	77.1	15	1648.0	-	1.221002
2	2	54.0	12	1440.0	-	2.763002
3	1	53.2	5	-	-	3.057424
4	1	94.5	7	-	-	4.543255
5	2	81.0	15	1171.0	-	4.909159
6	3	78.2	13	1402.0	1014.0	6.416305
7	2	99.1	8	1047.0	-	6.766131
8	1	88.7	14	-	-	7.432092
9	3	99.2	18	1756.0	1903.0	8.690179
10	2	67.9	17	1915.0	-	9.425572
11	2	72.4	8	1333.0	-	10.941307
12	3	63.5	19	1306.0	1519.0	11.489386

Table 116 - XN-8 20MHz BW Long Sequence Waveform Trial#26 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	54.0	15	-	-	0.704076
1	2	72.8	9	1543.0	-	1.197894
2	1	66.2	13	-	-	2.232902
3	2	88.9	14	1838.0	-	2.440490
4	2	50.2	15	1544.0	-	3.563595
5	2	67.1	17	1776.0	-	4.024968
6	2	60.2	17	1137.0	-	4.873847
7	2	52.6	10	1559.0	-	5.671241
8	2	57.1	14	1624.0	-	6.587250
9	3	52.5	20	1137.0	1688.0	7.256270
10	3	84.0	18	1754.0	1282.0	8.305939
11	2	89.6	17	1115.0	-	9.278988
12	2	70.6	5	1011.0	-	10.358082
13	2	60.6	12	1974.0	-	10.608010
14	3	63.5	16	1041.0	1890.0	11.600086

Table 117 - XN-8 20MHz BW Long Sequence Waveform Trial#27 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	59.5	16	1579.0	-	0.154388
1	3	77.1	11	1176.0	1133.0	1.106414
2	1	50.8	14	-	-	1.956900
3	2	64.9	9	1262.0	-	2.784235
4	1	99.7	20	-	-	3.438819
5	2	66.7	16	1935.0	-	4.216576
6	2	53.4	13	1367.0	-	4.538878
7	2	95.6	6	1872.0	-	5.707673
8	3	82.0	20	1304.0	1066.0	6.444399
9	2	83.6	14	1442.0	-	7.413346
10	2	50.9	13	1844.0	-	7.576500
11	2	63.0	8	1381.0	-	8.788276
12	3	62.6	9	1098.0	1550.0	9.356567
13	2	64.9	9	1821.0	-	9.766075
14	2	53.4	7	1528.0	-	10.683872
15	2	88.2	10	1029.0	-	11.787338

Table 118 - XN-8 20MHz BW Long Sequence Waveform Trial#28 (Detected)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	2	93.1	9	1883.0	-	0.058837
1	2	67.5	16	1953.0	-	1.590958
2	3	93.8	18	1701.0	1843.0	2.364152
3	1	74.4	9	-	-	2.598429
4	1	85.3	6	-	-	3.892960
5	3	78.1	10	1142.0	1582.0	4.316232
6	1	56.7	10	-	-	5.508913
7	2	87.1	12	1795.0	-	6.279643
8	2	73.5	11	1283.0	-	7.128980
9	3	65.7	16	1121.0	1539.0	7.256977

Table 118 - XN-8 20MHz BW Long Sequence Waveform Trial#28 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
10	3	84.0	17	1915.0	1586.0	8.448083
11	3	51.5	18	1305.0	1680.0	9.300657
12	3	95.9	10	1745.0	1604.0	10.325937
13	1	78.6	13	-	-	10.683617
14	1	97.7	16	-	-	11.747328

Table 119 - XN-8 20MHz BW Long Sequence Waveform Trial#29 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	3	88.7	8	1136.0	1860.0	0.609887
1	1	50.7	16	-	-	1.807343
2	2	95.4	6	1043.0	-	2.447472
3	1	62.7	11	-	-	3.558312
4	1	74.6	19	-	-	3.859554
5	2	93.1	18	1966.0	-	5.272358
6	2	67.4	7	1110.0	-	5.676205
7	1	79.4	7	-	-	6.677351
8	2	55.1	7	1376.0	-	8.152449
9	2	87.7	15	1037.0	-	8.767337
10	2	58.7	9	1535.0	-	9.287679
11	2	77.4	15	1603.0	-	10.330017
12	1	98.5	8	-	-	11.758099

Table 120 - XN-8 20MHz BW Long Sequence Waveform Trial#30 (Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (us)
0	1	60.4	15	-	-	0.965081
1	1	56.9	8	-	-	2.520138
2	3	55.9	18	1067.0	1847.0	3.352341
3	2	53.4	16	1525.0	-	5.052081
4	3	67.4	16	1062.0	1915.0	6.121496
5	1	92.4	14	-	-	6.851422
6	1	79.7	6	-	-	8.104378
7	2	97.4	18	1271.0	-	10.213217
8	1	83.9	20	-	-	11.474458

Appendix D Test Data Tables and Plots for Channel Closing

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 (20MHz BW)	0.54ms	60 ms	206ms	10 s	Pass
Radar Type 5 (20MHz BW)	0ms	60 ms	0ms	10 s	Pass
Radar Type 1 (40MHz BW)	0.30ms	60 ms	272ms	10 s	Pass
Radar Type 5 (40MHz BW)	0ms	60 ms	0ms	10 s	Pass

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

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[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.
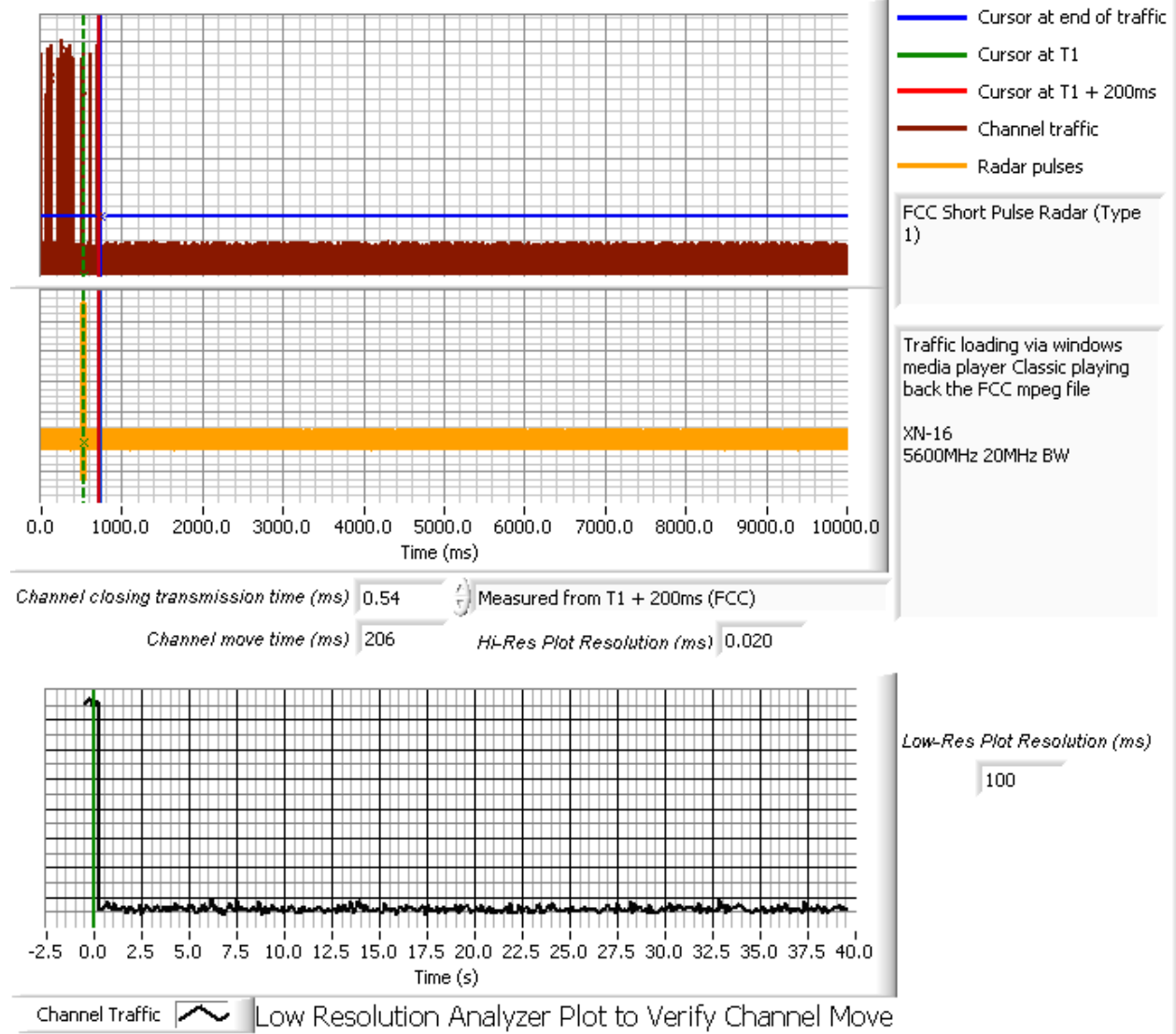
Figure 2 Channel Closing Time and Channel Move Time – 40 second plot 20MHz BW
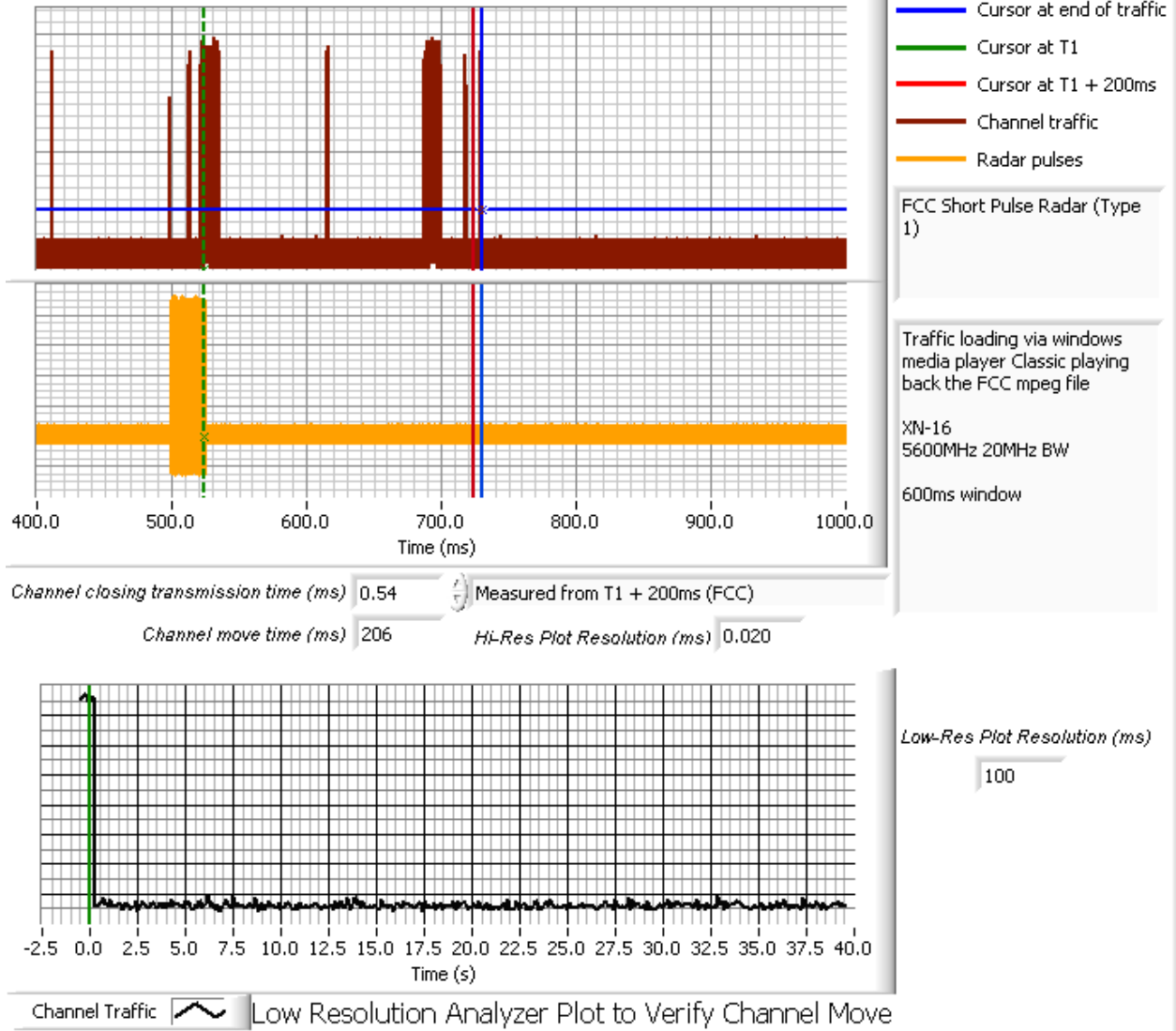
Figure 3 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar 20MHz BW
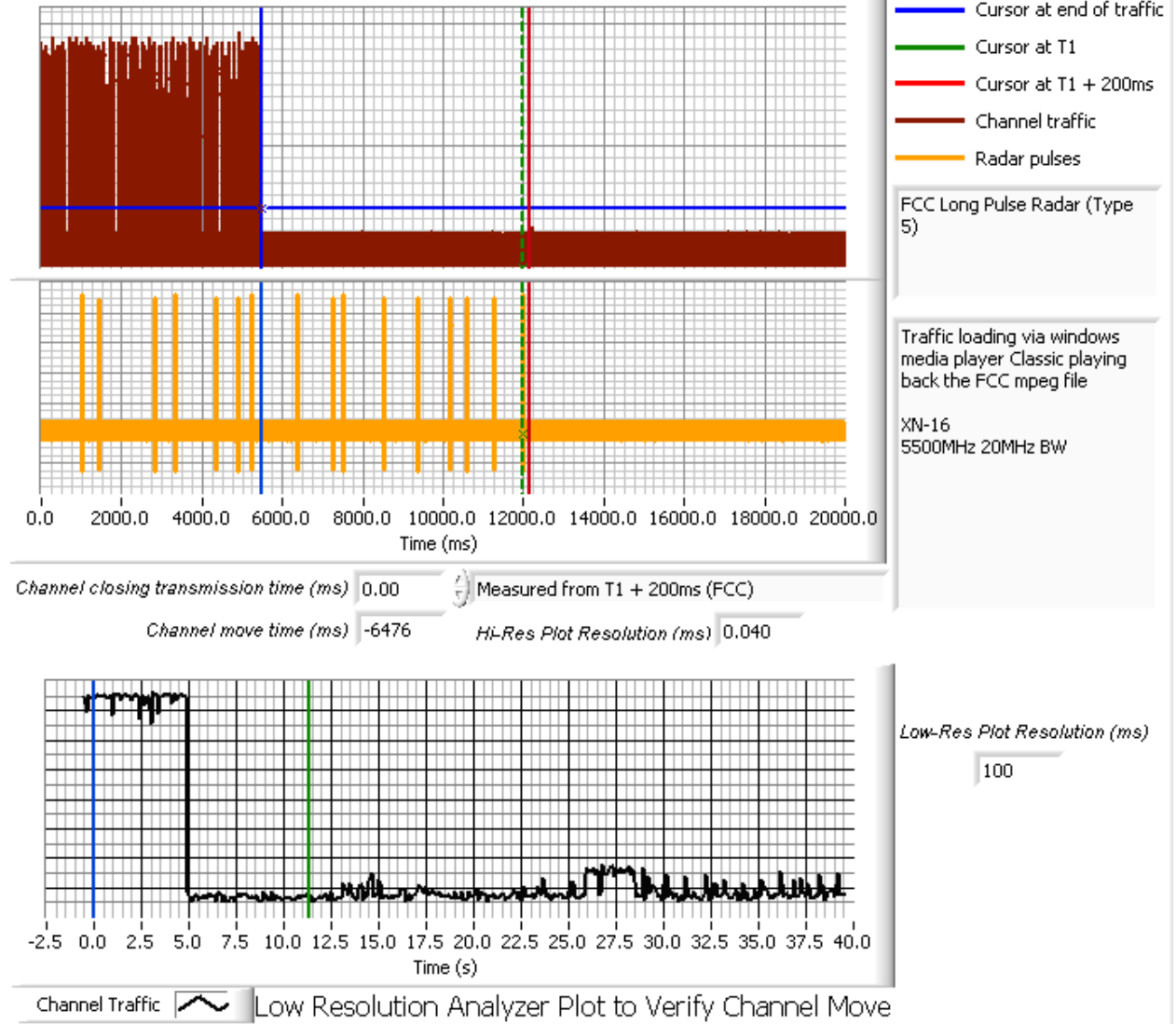
Figure 4 Channel Closing Time and Channel Move Time – 40 second plot 20MHz BW
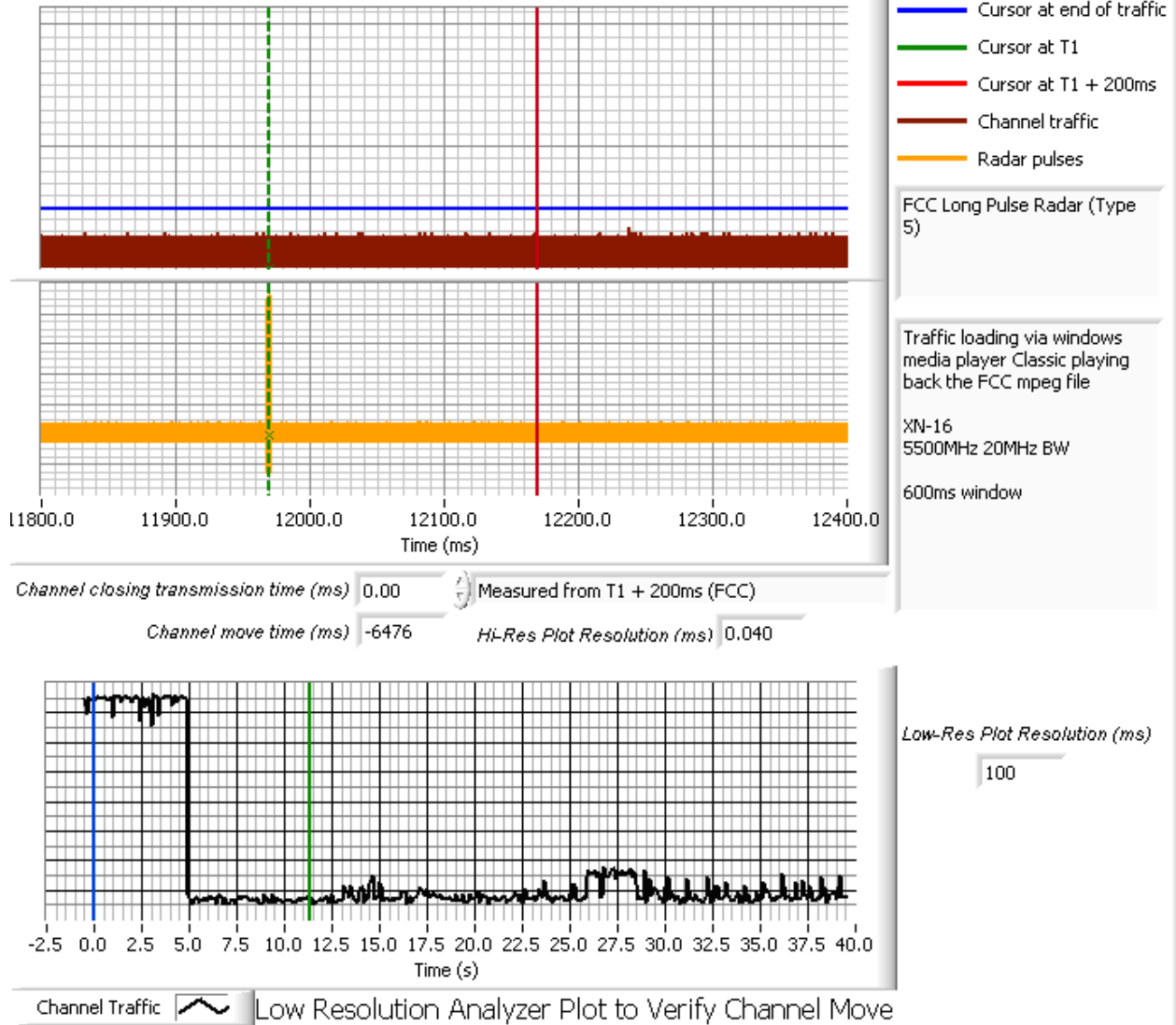
Figure 5 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar 20MHz BW
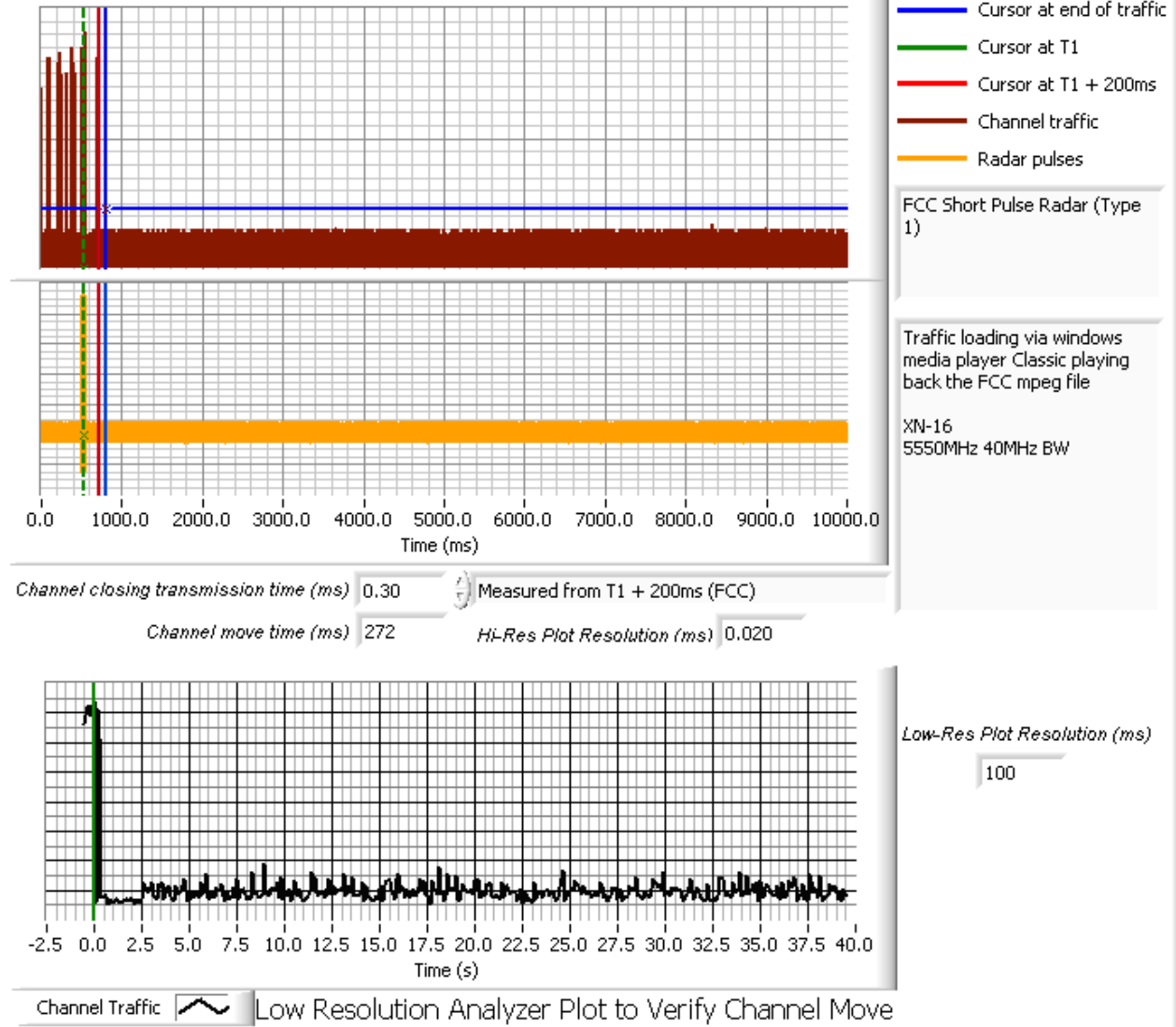
Figure 6 Channel Closing Time and Channel Move Time – 40 second plot 40MHz BW
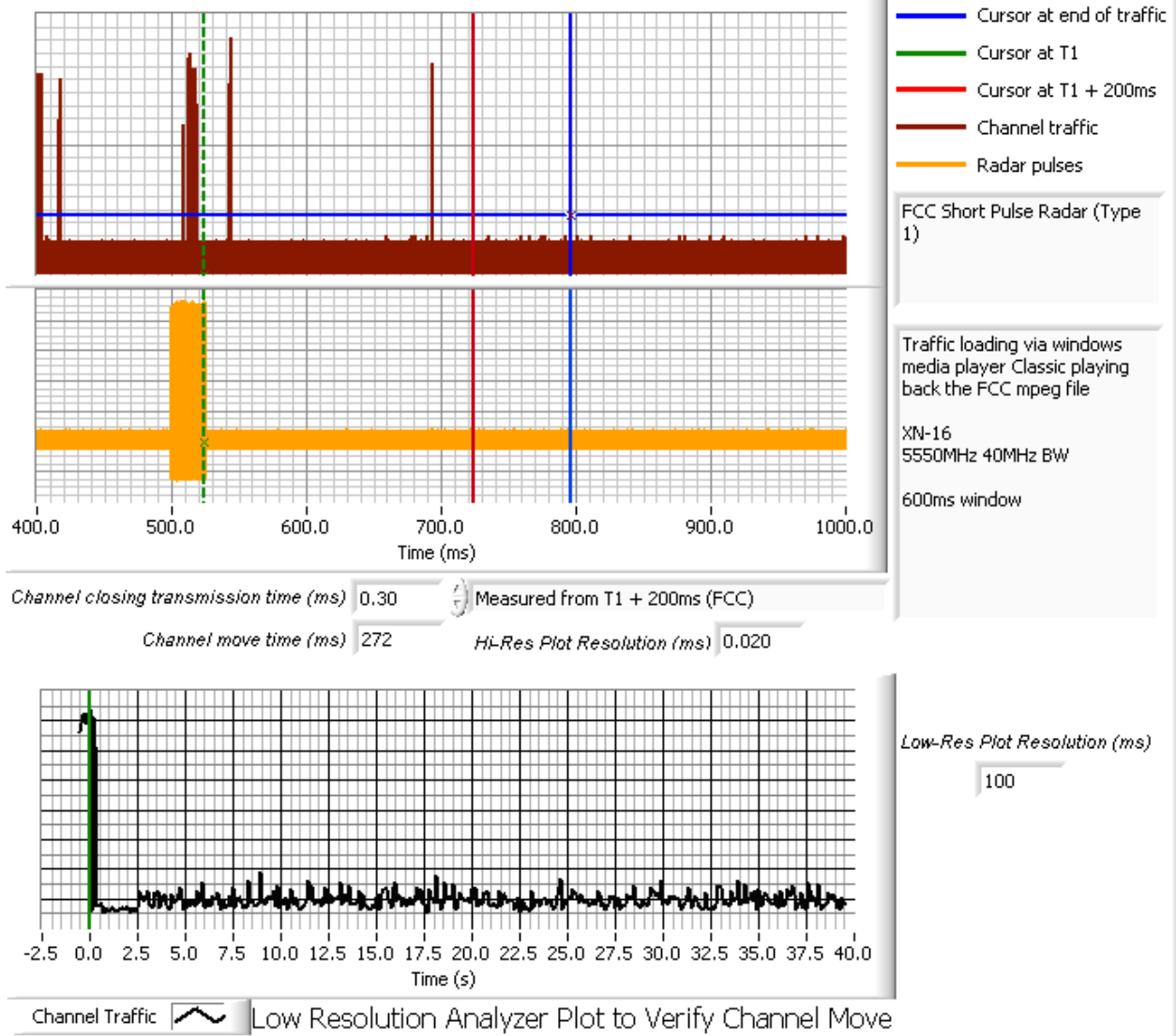
Figure 7 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar 40MHz BW
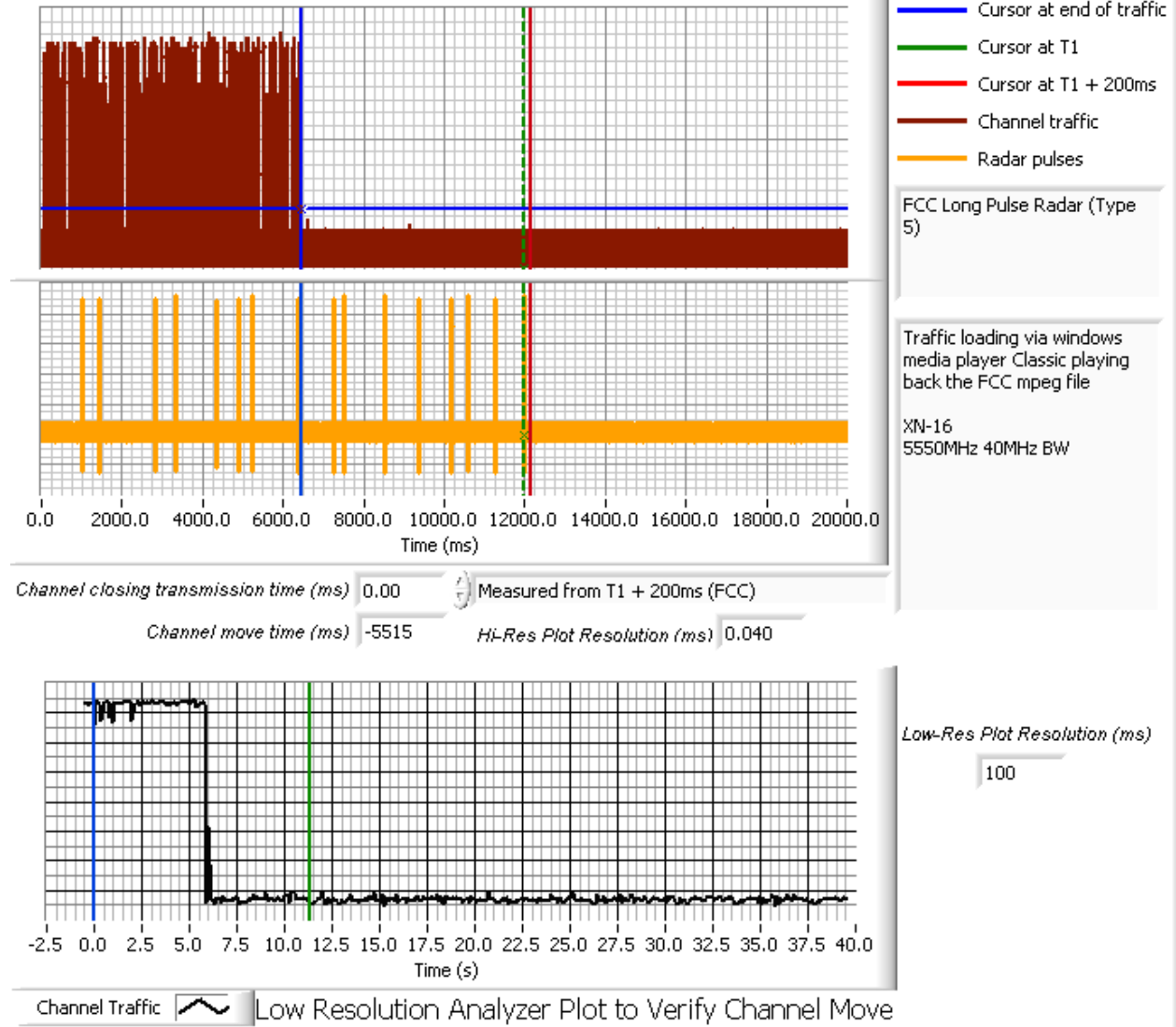
Figure 8 Channel Closing Time and Channel Move Time – 40 second plot 40MHz BW
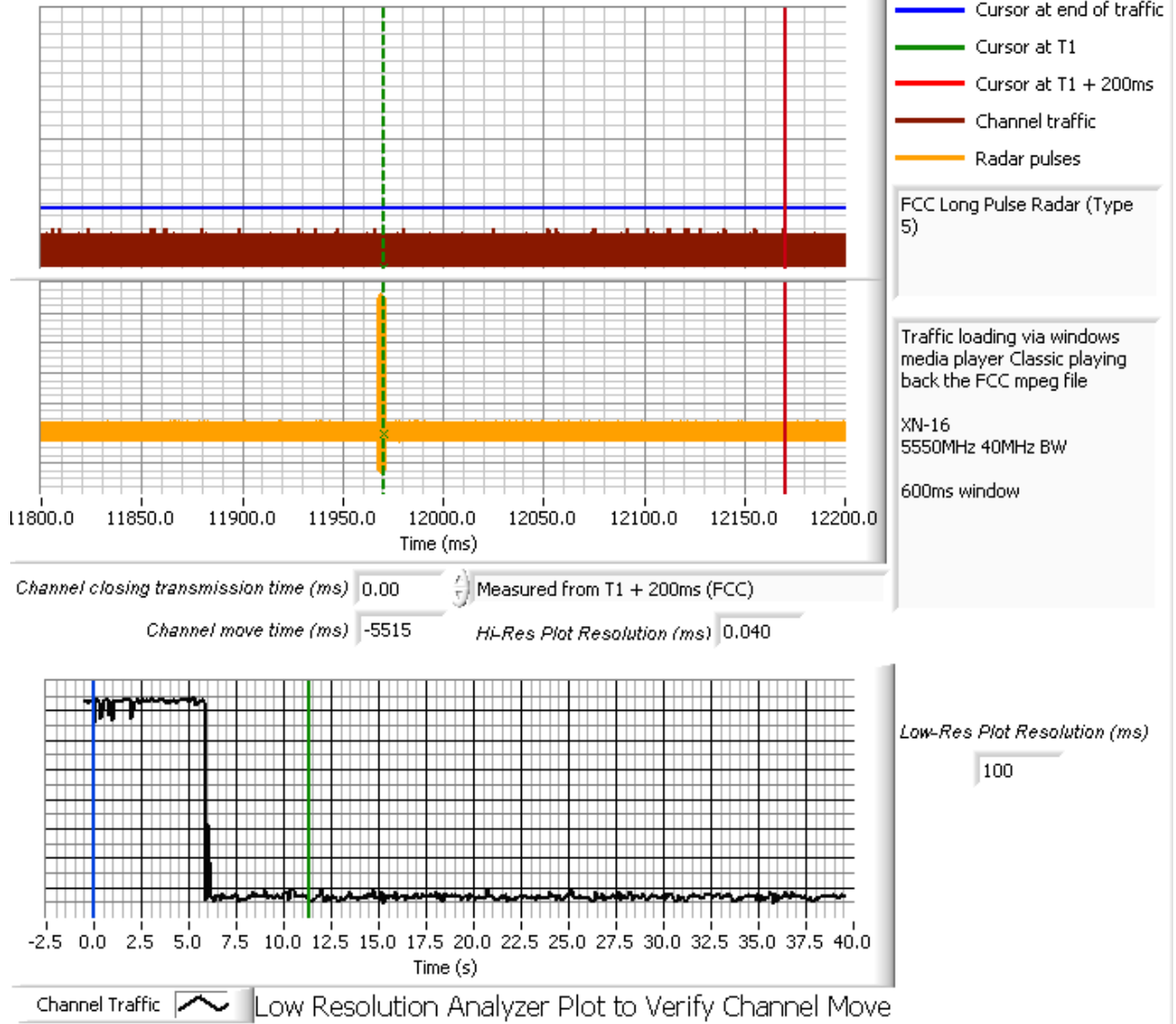
Figure 9 Close-Up of Transmissions Occurring More Than 200ms After The End of Radar 40MHz BW
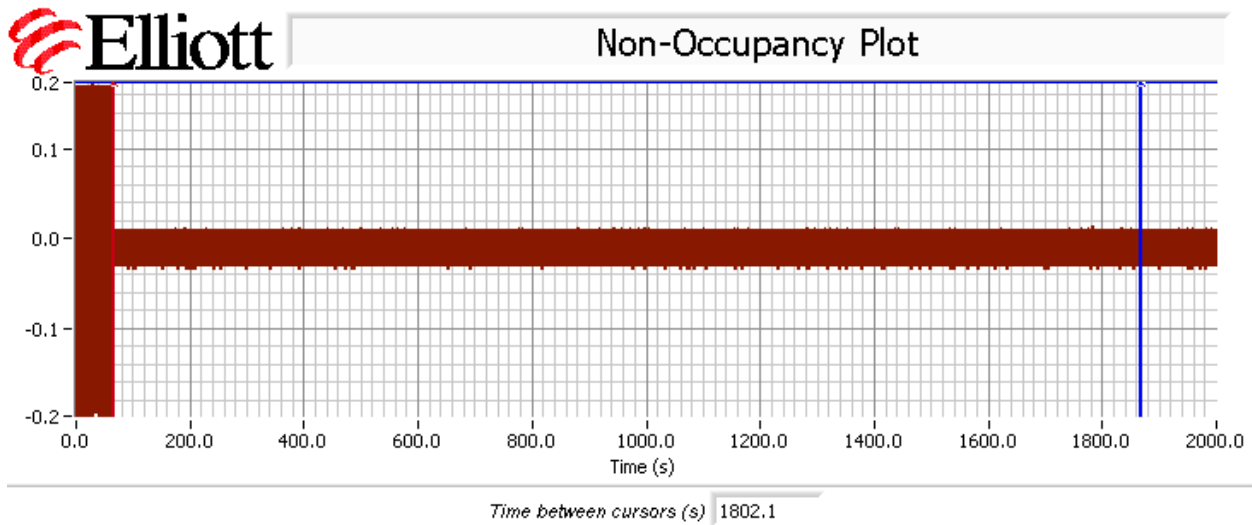
5520 MHz monitored immediately before, during and for a minimum of 30 minutes following the channel move. Plot shows channel traffic prior to channel move and no traffic on the vacated channel after the channel move.

Figure 10 Radar Channel Non-Occupancy Plot

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

Appendix E Test Data – Channel Availability Check

5250- 5350 MHz, 5470 – 5725 MHz

The first plot shows the first transmissions on a channel after restarting/power cycling the master device, with no radar applied during the CAC. The start of CAC is assumed to be 64 seconds before the first transmission as indicated by the green cursor line.

Figure 11 Plot of EUT Start-Up After CAC (40MHz BW)
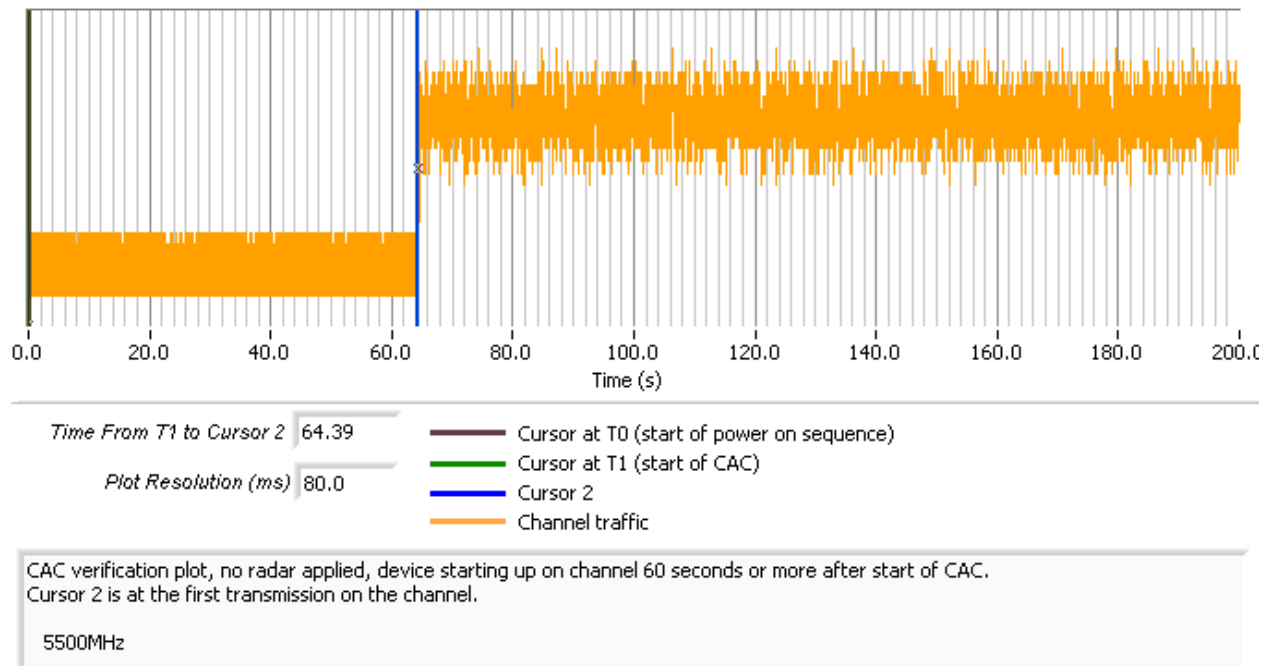
Figure 12 Plot of EUT Start-Up After CAC (20MHz BW)

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 64 (5320 MHz), channel 50 (5250MHz) and also on bonded channel 60 (5310 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.
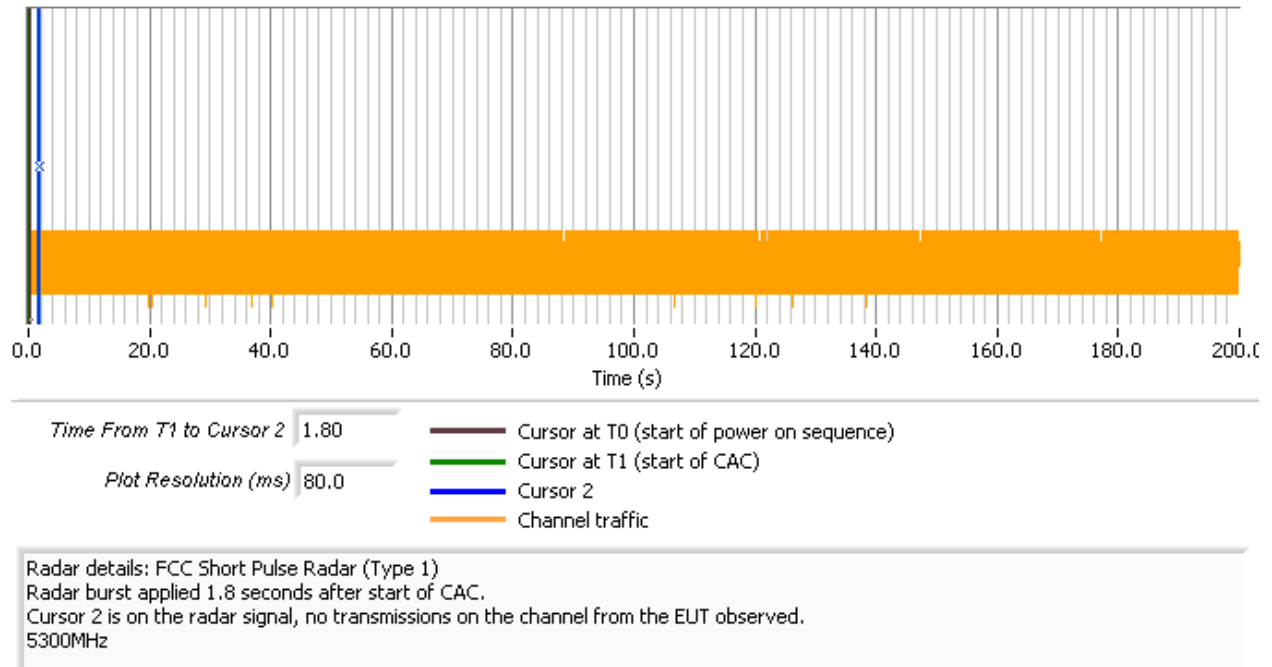
Figure 13 Radar Applied At Start of CAC (20MHz BW)
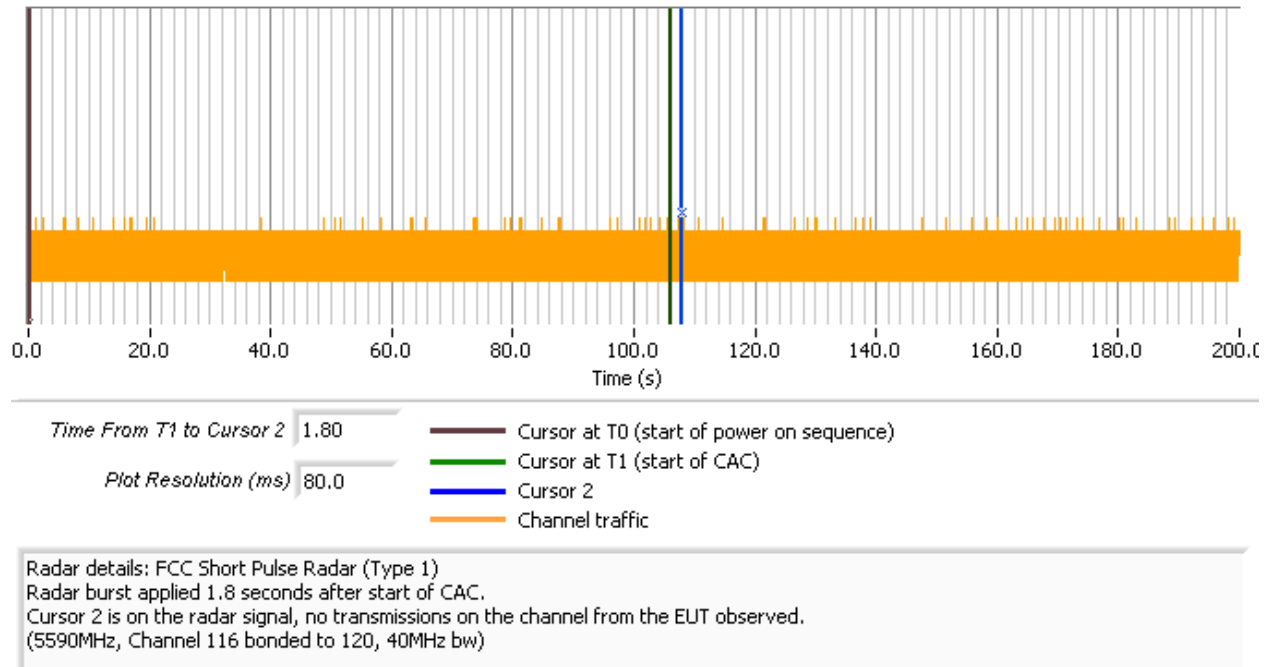
Figure 14 Radar Applied At Start of CAC (40MHz BW)
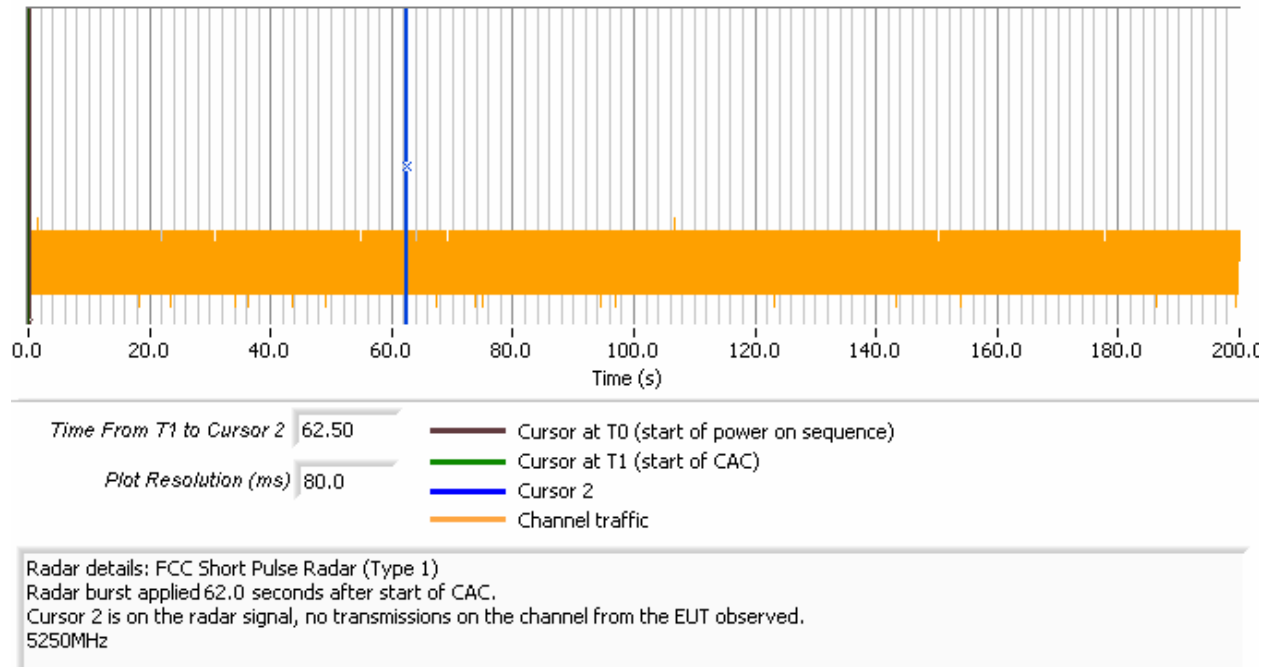
Figure 15 Radar Applied At End of CAC (20MHz BW)
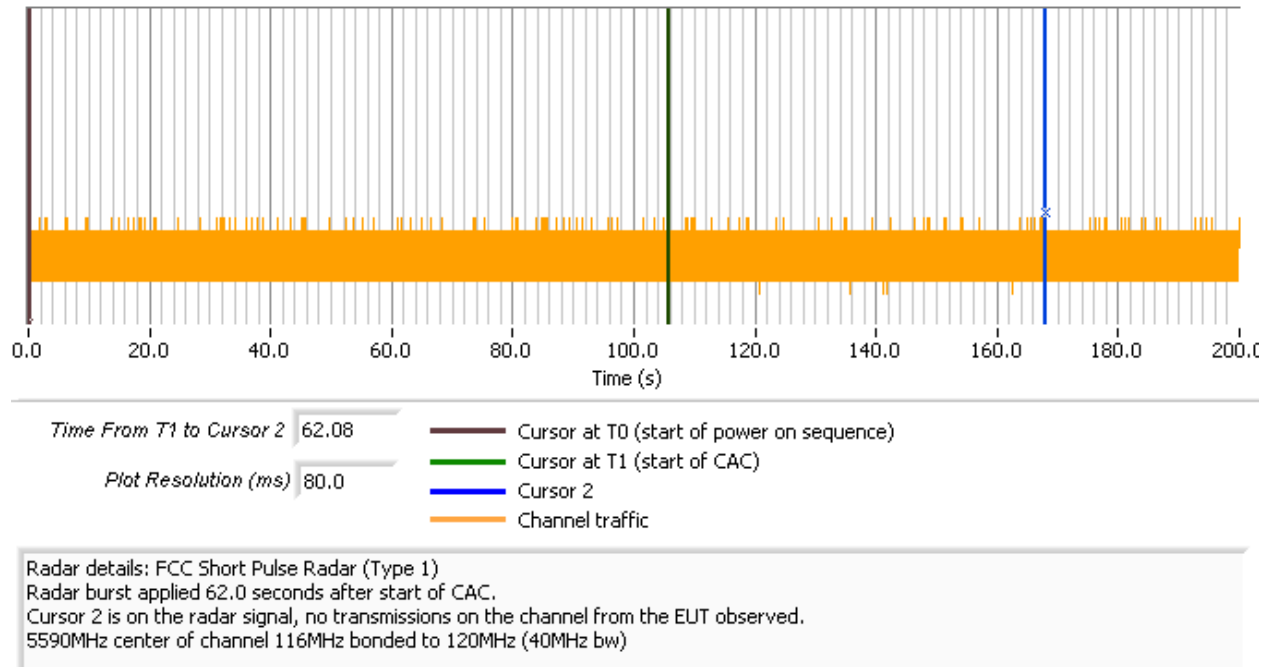
Figure 16 Radar Applied At End of CAC (40MHz BW)

Appendix F Antenna Specification Sheet

External Antenna

Appendix G Test Configuration Photographs