

TEST REPORT

Covering the DYNAMIC FREQUENCY SELECTION (DFS) REQUIREMENTS OF

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

*Xirrus Inc.
Model(s): XR1000 Outdoor*

COMPANY: Xirrus Inc.
2101 Corporate Center Drive
Thousand Oaks, CA, 91320

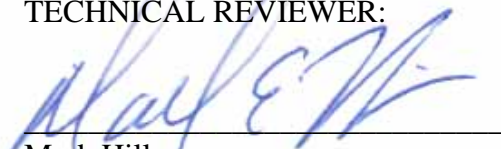
TEST SITE: NTS Silicon Valley
41039 Boyce Road
Fremont, CA 94538

REPORT DATE: August 3, 2012

FINAL TEST DATE: May 30, 31 and June 7, 2012

TEST ENGINEER: Mehran Birgani, David Bare and Wayne Fisher

PROGRAM MGR /
TECHNICAL REVIEWER:



Mark Hill
Reviewer's Title

QUALITY ASSURANCE DELEGATE /
FINAL REPORT PREPARER:



David Guidotti
Senior Technical Writer



NTS Silicon Valley is accredited by the A2LA, certificate number 0214.26, to perform the test(s) listed in this report, except where noted otherwise. This report and the information contained herein represent the results of testing test articles identified and selected by the client performed to specifications and/or procedures selected by the client. National Technical Systems (NTS) makes no representations, expressed or implied, that such testing is adequate (or inadequate) to demonstrate efficiency, performance, reliability, or any other characteristic of the articles being tested, or similar products. This report should not be relied upon as an endorsement or certification by NTS of the equipment tested, nor does it represent any statement whatsoever as to its merchantability or fitness of the test article, or similar products, for a particular purpose. This report shall not be reproduced except in full

REVISION HISTORY

Rev #	Date	Comments	Modified By
1.0	08-03-2012	First Release	-

TABLE OF CONTENTS

REVISION HISTORY2

TABLE OF CONTENTS3

LIST OF TABLES.....3

LIST OF FIGURES.....5

SCOPE.....6

OBJECTIVE.....6

STATEMENT OF COMPLIANCE.....7

DEVIATIONS FROM THE STANDARD.....7

TEST RESULTS.....8

 TEST RESULTS SUMMARY – FCC PART 15, MASTER DEVICE8

 MEASUREMENT UNCERTAINTIES.....9

EQUIPMENT UNDER TEST (EUT) DETAILS.....10

 GENERAL.....10

 ENCLOSURE.....10

 MODIFICATIONS.....10

 SUPPORT EQUIPMENT.....11

 EUT INTERFACE PORTS11

 EUT OPERATION11

RADAR WAVEFORMS.....12

DFS TEST METHODS.....13

 RADIATED TEST METHOD13

DFS MEASUREMENT INSTRUMENTATION.....15

 RADAR GENERATION SYSTEM.....15

 CHANNEL MONITORING SYSTEM.....16

DFS MEASUREMENT METHODS17

 DFS RADAR DETECTION BANDWIDTH.....17

 DFS – CHANNEL CLOSING TRANSMISSION TIME AND CHANNEL MOVE TIME17

 DFS – CHANNEL NON-OCCUPANCY AND VERIFICATION OF PASSIVE SCANNING.....17

 DFS CHANNEL AVAILABILITY CHECK TIME.....18

 UNIFORM LOADING.....18

 TRANSMIT POWER CONTROL (TPC)18

SAMPLE CALCULATIONS19

 DETECTION PROBABILITY / SUCCESS RATE19

 THRESHOLD LEVEL19

APPENDIX A TEST EQUIPMENT CALIBRATION DATA20

APPENDIX B TEST DATA TABLES FOR RADAR DETECTION PROBABILITY21

APPENDIX C ANTENNA SPECIFICATION91

APPENDIX D TEST CONFIGURATION PHOTOGRAPH(S).....92

LIST OF TABLES

Table 1 FCC Part 15 Subpart E Master Device Test Result Summary..... 8

Table 3 FCC Short Pulse Radar Test Waveforms..... 12

Table 4 FCC Long Pulse Radar Test Waveforms..... 12

Table 5 FCC Frequency Hopping Radar Test Waveforms 12

Table 6 - 802.11abgn n40Detection Bandwidth Measurements (Bandwidth: +16MHz /-16MHz)..... 21

Table 7 - Summary of All Results - 802.11abgn n40 23

Table 8 - FCC Short Pulse Radar (Type 1) Results 802.11abgn n40 23

Table 9 - FCC Short Pulse Radar (Type 2) Results 802.11abgn n40 24

Table 10 - FCC Short Pulse Radar (Type 3) Results 802.11abgn n40 25

Table 11 - FCC Short Pulse Radar (Type 4) Results 802.11abgn n40 27

Table 12 - Long Sequence Waveform Summary 802.11abgn n40 28

Table 13 - 802.11abgn n40 Long Sequence Waveform Trial#1 (Detected) 29

Table 14 - 802.11abgn n40 Long Sequence Waveform Trial#2 (Detected) 29

Table 15 - 802.11abgn n40 Long Sequence Waveform Trial#3 (Detected) 30

Table 16 - 802.11abgn n40 Long Sequence Waveform Trial#4 (Detected) 30

Table 17 - 802.11abgn n40 Long Sequence Waveform Trial#5 (Detected) 30

Table 18 - 802.11abgn n40 Long Sequence Waveform Trial#6 (Detected) 31

Table 19 - 802.11abgn n40 Long Sequence Waveform Trial#7 (Detected) 31

Table 20 - 802.11abgn n40 Long Sequence Waveform Trial#8 (Detected) 32

Table 21 - 802.11abgn n40 Long Sequence Waveform Trial#9 (Detected) 32

Table 22 - 802.11abgn n40 Long Sequence Waveform Trial#10 (Detected) 32

Table 23 - 802.11abgn n40 Long Sequence Waveform Trial#11 (Detected) 33

Table 24 - 802.11abgn n40 Long Sequence Waveform Trial#12 (Detected) 33

Table 25 - 802.11abgn n40 Long Sequence Waveform Trial#13 (NOT Detected) 33

Table 26 - 802.11abgn n40 Long Sequence Waveform Trial#14 (Detected) 34

Table 27 - 802.11abgn n40 Long Sequence Waveform Trial#15 (Detected) 34

Table 28 - 802.11abgn n40 Long Sequence Waveform Trial#16 (Detected) 34

Table 29 - 802.11abgn n40 Long Sequence Waveform Trial#17 (Detected) 35

Table 30 - 802.11abgn n40 Long Sequence Waveform Trial#18 (Detected) 35

Table 31 - 802.11abgn n40 Long Sequence Waveform Trial#19 (Detected) 36

Table 32 - 802.11abgn n40 Long Sequence Waveform Trial#20 (Detected) 36

Table 33 - 802.11abgn n40 Long Sequence Waveform Trial#21 (Detected) 36

Table 34 - 802.11abgn n40 Long Sequence Waveform Trial#22 (Detected) 37

Table 35 - 802.11abgn n40 Long Sequence Waveform Trial#23 (Detected) 37

Table 36 - 802.11abgn n40 Long Sequence Waveform Trial#24 (Detected) 37

Table 37 - 802.11abgn n40 Long Sequence Waveform Trial#25 (Detected) 38

Table 38 - 802.11abgn n40 Long Sequence Waveform Trial#26 (Detected) 38

Table 39 - 802.11abgn n40 Long Sequence Waveform Trial#27 (Detected) 38

Table 40 - 802.11abgn n40 Long Sequence Waveform Trial#28 (Detected) 39

Table 41 - 802.11abgn n40 Long Sequence Waveform Trial#29 (Detected) 39

Table 42 - 802.11abgn n40 Long Sequence Waveform Trial#30 (Detected) 40

Table 43 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40 41

Table 44 - 802.11abgn Detection Bandwidth Measurements (Bandwidth: +8MHz /-8MHz) n20 55

Table 45 - Summary of All Results - 802.11abgn, n20 56

Table 46 - FCC Short Pulse Radar (Type 1) Results 802.11abgn, n20 56

Table 47 - FCC Short Pulse Radar (Type 2) Results 802.11abgn, n20 57

Table 48 - FCC Short Pulse Radar (Type 3) Results 802.11abgn, n20 58

Table 49 - FCC Short Pulse Radar (Type 4) Results 802.11abgn, n20 60

Table 50 - Long Sequence Waveform Summary 802.11abgn, n20 61

Table 51 - 802.11abgn Long Sequence Waveform Trial#1 (Detected) , n20 62

Table 52 - 802.11abgn Long Sequence Waveform Trial#2 (NOT Detected) , n20 63

Table 53 - 802.11abgn Long Sequence Waveform Trial#3 (NOT Detected) , n20 63

Table 54 - 802.11abgn Long Sequence Waveform Trial#4 (Detected) , n20 64

Table 55 - 802.11abgn Long Sequence Waveform Trial#5 (Detected) , n20 64

Table 56 - 802.11abgn Long Sequence Waveform Trial#6 (Detected) , n20 64

Table 57 - 802.11abgn Long Sequence Waveform Trial#7 (NOT Detected) , n20 64

Table 58 - 802.11abgn Long Sequence Waveform Trial#8 (Detected) , n20 65

Table 59 - 802.11abgn Long Sequence Waveform Trial#9 (Detected) , n20 65

Table 60 - 802.11abgn Long Sequence Waveform Trial#10 (Detected) , n20 65

Table 61 - 802.11abgn Long Sequence Waveform Trial#11 (Detected) , n20 66

Table 62 - 802.11abgn Long Sequence Waveform Trial#12 (Detected) , n20 66

Table 63 - 802.11abgn Long Sequence Waveform Trial#13 (Detected) , n20 66

Table 64 - 802.11abgn Long Sequence Waveform Trial#14 (NOT Detected) , n20 67

Table 65 - 802.11abgn Long Sequence Waveform Trial#15 (Detected) , n20 67

Table 66 - 802.11abgn Long Sequence Waveform Trial#16 (Detected) , n20 67

Table 67 - 802.11abgn Long Sequence Waveform Trial#17 (NOT Detected) , n20	68
Table 68 - 802.11abgn Long Sequence Waveform Trial#18 (Detected) , n20	68
Table 69 - 802.11abgn Long Sequence Waveform Trial#19 (Detected) , n20	69
Table 70 - 802.11abgn Long Sequence Waveform Trial#20 (NOT Detected) , n20	69
Table 71 - 802.11abgn Long Sequence Waveform Trial#21 (Detected) , n20	69
Table 72 - 802.11abgn Long Sequence Waveform Trial#22 (Detected) , n20	70
Table 73 - 802.11abgn Long Sequence Waveform Trial#23 (Detected) , n20	70
Table 74 - 802.11abgn Long Sequence Waveform Trial#24 (NOT Detected) , n20	70
Table 75 - 802.11abgn Long Sequence Waveform Trial#25 (Detected) , n20	70
Table 76 - 802.11abgn Long Sequence Waveform Trial#26 (Detected) , n20	71
Table 77 - 802.11abgn Long Sequence Waveform Trial#27 (Detected) , n20	71
Table 78 - 802.11abgn Long Sequence Waveform Trial#28 (Detected) , n20	71
Table 79 - 802.11abgn Long Sequence Waveform Trial#29 (Detected) , n20	72
Table 80 - 802.11abgn Long Sequence Waveform Trial#30 (Detected) , n20	72
Table 81 - 802.11abgn Long Sequence Waveform Trial#31 (Detected) , n20	73
Table 82 - 802.11abgn Long Sequence Waveform Trial#32 (Detected) , n20	73
Table 83 - 802.11abgn Long Sequence Waveform Trial#33 (Detected) , n20	73
Table 84 - 802.11abgn Long Sequence Waveform Trial#34 (NOT Detected) , n20	74
Table 85 - 802.11abgn Long Sequence Waveform Trial#35 (Detected) , n20	74
Table 86 - 802.11abgn Long Sequence Waveform Trial#36 (Detected) , n20	74
Table 87 - 802.11abgn Long Sequence Waveform Trial#37 (Detected) , n20	75
Table 88 - 802.11abgn Long Sequence Waveform Trial#38 (Detected) , n20	75
Table 89 - 802.11abgn Long Sequence Waveform Trial#39 (Detected) , n20	75
Table 90 - 802.11abgn Long Sequence Waveform Trial#40 (Detected) , n20	76
Table 91 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20	77

LIST OF FIGURES

Figure 1 Test Configuration for radiated Measurement Method	13
---	----

SCOPE

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

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

Tests were performed in accordance with these standards together with the current published versions of the basic standards referenced therein as outlined in NTS Silicon Valley test procedures. The test results recorded herein are based on a single type test of the Xirrus Inc. model XR1000 Outdoor and therefore apply only to the tested sample. The sample was selected and prepared by Steve Smith of Xirrus Inc.

OBJECTIVE

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

Due to the similarity of models, testing in this report was limited to In-Service Monitoring threshold trials with all radios active. Requirements for Channel Availability, Channel Close and Move Time, Detection Bandwidth and Non-Occupancy verification are considered compliant by similarity to the previously approved XI-N450 documented in NTS Silicon Valley report number R83908. In R83908, the XI-N450 3x3 module was installed into the XR4000 host system, which supported up to 8 modules.

In R85404, the XI-N450 3x3 was tested in the XR6000 host system according to FCC KDB 301059.

The XR1000 Outdoor uses a modified 3x3 XI-N450 (FCC ID: SK6XI-N450) radio module that was used in the previous testing. The modification was to remove the integral antennas and add connectors to the module to allow for external antennas.

STATEMENT OF COMPLIANCE

The tested sample of the Xirrus Inc. model XR1000 Outdoor complied with the DFS requirements of FCC Part 15.407(h)(2) and RSS-210 Annex 9.3.

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

DEVIATIONS FROM THE STANDARD

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

TEST RESULTS

TEST RESULTS SUMMARY – FCC Part 15, MASTER DEVICE

Table 1 FCC Part 15 Subpart E Master Device Test Result Summary						
Description	Radar Type	EUT Frequency	Measured Value	Requirement	Test Data	Status
Channel Availability Check (CAC) Time	Type 1	Compliant by similarity see NTS Silicon Valley report R83908				
CAC Detection Threshold	Type 1					
In-Service Monitoring Detection Threshold	Type 1 Type 2 Type 3 Type 4 Type 5 Type 6	5500 5510	-64 dBm (note 2)	-64dBm (See note 2)	Appendix B	Pass
Bandwidth Detection	Type 1	Compliant by similarity see NTS Silicon Valley report R83908				
Channel closing transmission time	Type 1 Type 5					
Channel move time	Type 1 Type 5					
Non-occupancy period	-					
Uniform Loading						
1) Tests were performed using the radiated test method. 2) The measured detection threshold is based on testing the master device using the radiated test method when connected to an antenna with a nominal gain of 6 dBi. The limit is based on an eirp of more than 23 dBm. 3) The in-service monitoring detection threshold and detection probability measurements were made with the device operating in the 5500-5700 MHz band.						

MEASUREMENT UNCERTAINTIES

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

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

EQUIPMENT UNDER TEST (EUT) DETAILS

GENERAL

The Xirrus Inc. model XR1000 Outdoor is an outdoor wireless access point with two modified XI-N450 3x3, 802.11abgn module installed.

The sample was received on May 30, 2012 and tested on May 30, 31 and June 7, 2012. The EUT consisted of the following component(s):

Manufacturer	Model	Description	MAC ID Number
Xirrus Inc.	XR1000 Outdoor	Access Point	00-0F-7D-00-71-63

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

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

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

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

	5250 – 5350 MHz	5470 – 5725 MHz
Lowest Antenna Gain (dBi) Omni	6	6
Highest Antenna Gain (dBi) Directional	6*	6*
EIRP Output Power (dBm)	27.9	27.2
* Xirrus provides a 14dBi antenna that is used with RF cabling of 8dB loss.		

- Power can exceed 200mW eirp

Channel Protocol

- IP Based

ENCLOSURE

The EUT enclosure measures approximately 29 by 29 by 7.5 centimeters. It is primarily constructed of steel.

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	R51	Laptop (server)	99-MZ519	DoC
<i>Lenovo</i>	<i>T60</i>	<i>Laptop (client)</i>	<i>L3-CR350</i>	<i>DoC</i>
Xirrus	POE-75U-1UP-N-X	Single Port Injector	P94607585A1	-
Linksys	SR2016	Network switch	REL30H300 886 GGB1707 MM	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)
Gigabit POE	Single Port Injector Out	Cat 5	Unshielded	15
Console	Laptop (Server)	Cat 5	Unshielded	15
Gigabit2	Not cabled	-	-	-
Single port Injector In	Switch	Cat 5	Unshielded	2
Switch	Laptop (Server)	Cat 5	Unshielded	2

EUT OPERATION

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

Master Device: 6.1.0

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

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

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

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

RADAR WAVEFORMS

Table 2 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 3 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 4 FCC Frequency Hopping Radar Test Waveforms							
Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses / hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Detection Percentage	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

DFS TEST METHODS

RADIATED TEST METHOD

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

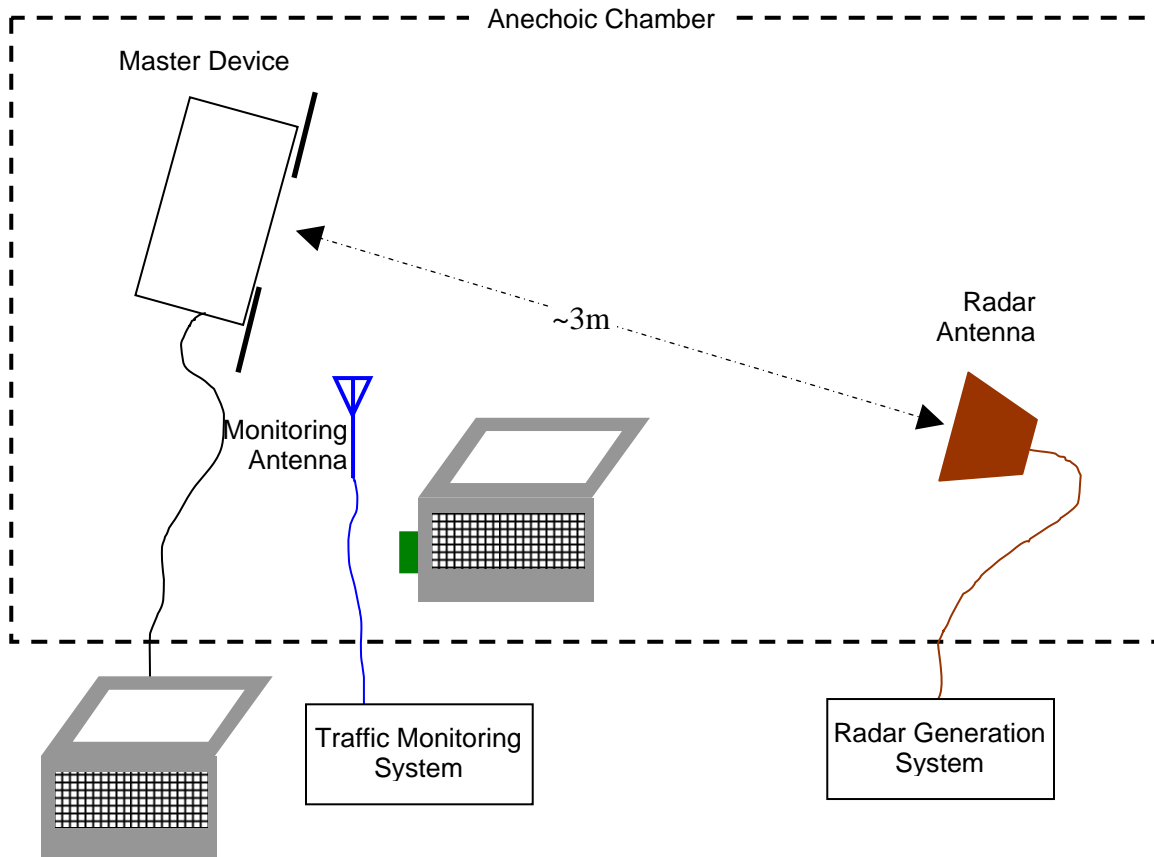


Figure 1 Test Configuration for radiated Measurement Method

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

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

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

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

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

DFS MEASUREMENT INSTRUMENTATION

RADAR GENERATION SYSTEM

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

With the exception of the hopping waveforms required by the FCC's rules (see below), the radar generator is set to a single frequency within the radar detection bandwidth of the EUT. The frequency is varied from trial to trial by stepping in 5MHz steps.

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

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

For devices with a client-mode that are being evaluated against FCC rules the manufacturer must supply an attestation letter stating that the client device does not employ any active scanning techniques (i.e. does not transmit in the DFS bands without authorization from a Master device).

DFS CHANNEL AVAILABILITY CHECK TIME

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

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

UNIFORM LOADING

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

TRANSMIT POWER CONTROL (TPC)

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

SAMPLE CALCULATIONS

DETECTION PROBABILITY / SUCCESS RATE

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

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

THRESHOLD LEVEL

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

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

Appendix A Test Equipment Calibration Data

<u>Manufacturer</u>	<u>Description</u>	<u>Model #</u>	<u>Asset #</u>	<u>Cal Due</u>
Hewlett Packard	EMC Spectrum Analyzer, 9 KHz - 22 GHz	8593EM	1319	25-Oct-12
EMCO	Antenna, Horn, 1-18 GHz	3115	868	08-Jun-12
Agilent	PSG Vector Signal Generator (250kHz - 20GHz)	E8267C	1877	11-May-13
Tektronix	500MHz, 2CH, 5GS/s Scope	TDS5052B	2118	07-Oct-12
EMCO	Antenna, Horn, 1-18 GHz	3115	487	06-Jul-12

Appendix B Test Data Tables for Radar Detection Probability

FCC Trials, 40MHz bandwidth, June 7, 2012

Table 5 - 802.11abgn n40Detection Bandwidth Measurements (Bandwidth: +16MHz /-16MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	0	3	0
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	9	1	90
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	9	1	90
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	9	1	90
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	9	1	90
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	9	1	90
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100

Table 5 - 802.11abgn n40Detection Bandwidth Measurements (Bandwidth: +16MHz /-16MHz)					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5510.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5511.00 MHz	9	1	90
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5512.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5513.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5514.00 MHz	9	1	90
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5515.00 MHz	9	1	90
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5516.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5517.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5518.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5519.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5520.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5521.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5522.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5523.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5524.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5525.00 MHz	10	0	100
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5526.00 MHz	10	0	100

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5510.00 MHz	FCC Short Pulse Radar (Type 1)	5527.00 MHz	0	3	0

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	93.3 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	86.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	90.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	83.3 %	60.0 %	30	PASSED
Aggregate of above results	86.7 %	80.0 %	90	PASSED
Long Sequence	96.7 %	80.0 %	30	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	33	PASSED

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/31/2012 04:39:53 PM)
2	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 04:40:01 PM)
3	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 04:40:14 PM)
4	18	1.0	1428.0	No	5520.0MHz, -64.0dBm	Single burst (05/31/2012 04:40:23 PM)
5	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/31/2012 04:40:31 PM)
6	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/31/2012 04:40:39 PM)
7	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 04:40:46 PM)
8	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 04:40:57 PM)
9	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (05/31/2012 04:41:13 PM)
10	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/31/2012 04:41:26 PM)
11	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/31/2012 04:41:39 PM)
12	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 04:41:59 PM)
13	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 04:42:16 PM)
14	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (05/31/2012 04:42:28 PM)
15	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/31/2012 04:42:46 PM)

Table 7 - FCC Short Pulse Radar (Type 1) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
16	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/31/2012 04:42:56 PM)
17	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 04:43:04 PM)
18	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 04:43:18 PM)
19	18	1.0	1428.0	No	5520.0MHz, -64.0dBm	Single burst (05/31/2012 04:43:30 PM)
20	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/31/2012 04:43:41 PM)
21	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/31/2012 04:43:52 PM)
22	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 04:44:04 PM)
23	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 04:44:45 PM)
24	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (05/31/2012 04:44:54 PM)
25	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/31/2012 04:45:04 PM)
26	18	1.0	1428.0	Yes	5510.0MHz, -64.0dBm	Single burst (05/31/2012 04:45:12 PM)
27	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 04:45:19 PM)
28	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 04:45:28 PM)
29	18	1.0	1428.0	Yes	5520.0MHz, -64.0dBm	Single burst (05/31/2012 04:45:37 PM)
30	18	1.0	1428.0	Yes	5515.0MHz, -64.0dBm	Single burst (05/31/2012 04:45:45 PM)

Table 8 - FCC Short Pulse Radar (Type 2) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	24	3.5	220.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:28:08 PM)
2	28	1.8	193.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:28:28 PM)
3	28	4.6	197.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:28:36 PM)
4	24	5.0	192.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:28:49 PM)
5	23	4.8	157.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:28:56 PM)
6	25	1.0	195.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:29:03 PM)
7	28	2.1	199.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:29:12 PM)
8	23	2.0	188.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:29:57 PM)

Table 8 - FCC Short Pulse Radar (Type 2) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
9	27	2.6	175.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:30:06 PM)
10	24	4.8	217.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:30:13 PM)
11	29	4.6	185.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:30:19 PM)
12	27	2.8	224.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:30:26 PM)
13	25	4.1	167.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:30:32 PM)
14	26	4.1	163.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:30:41 PM)
15	28	1.0	150.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:30:48 PM)
16	28	3.5	168.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:30:57 PM)
17	24	3.1	153.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:31:04 PM)
18	27	4.5	163.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:31:12 PM)
19	29	3.7	153.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:31:23 PM)
20	26	4.8	178.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:31:30 PM)
21	26	4.2	192.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:31:37 PM)
22	29	1.6	205.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:31:44 PM)
23	28	1.4	167.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:31:51 PM)
24	26	4.4	165.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:31:58 PM)
25	28	5.0	211.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:32:06 PM)
26	25	4.6	160.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:32:15 PM)
27	24	2.2	213.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:32:22 PM)
28	28	1.9	162.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:32:29 PM)
29	24	3.3	155.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:32:37 PM)
30	23	2.5	160.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:32:45 PM)

Table 9 - FCC Short Pulse Radar (Type 3) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	16	6.9	253.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:43:59 PM)

Table 9 - FCC Short Pulse Radar (Type 3) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
2	18	6.7	370.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:44:08 PM)
3	17	7.0	470.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:44:16 PM)
4	17	7.5	329.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:44:31 PM)
5	17	9.1	272.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:44:42 PM)
6	16	9.3	224.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:44:59 PM)
7	18	8.2	340.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:45:11 PM)
8	17	9.8	215.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:45:19 PM)
9	17	8.2	216.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:45:26 PM)
10	17	9.3	234.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:45:34 PM)
11	17	7.6	258.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:45:41 PM)
12	17	9.8	291.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:45:48 PM)
13	17	9.0	280.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:45:59 PM)
14	17	8.6	410.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:46:07 PM)
15	16	8.1	485.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:46:14 PM)
16	16	6.5	400.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:46:21 PM)
17	16	6.3	368.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:46:28 PM)
18	18	8.6	393.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:46:35 PM)
19	16	6.3	283.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:46:43 PM)
20	18	6.8	223.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:46:49 PM)
21	16	7.4	338.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:46:59 PM)
22	17	10.0	486.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:47:08 PM)
23	17	9.1	326.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:47:15 PM)
24	16	9.5	326.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:47:22 PM)
25	16	6.5	268.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:47:29 PM)
26	17	6.5	377.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:47:35 PM)
27	17	10.0	207.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:47:42 PM)
28	17	7.7	463.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:47:48 PM)

Table 9 - FCC Short Pulse Radar (Type 3) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
29	17	7.6	497.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:47:56 PM)
30	17	9.5	398.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:48:04 PM)

Table 10 - FCC Short Pulse Radar (Type 4) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	14	17.3	203.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:48:41 PM)
2	14	11.6	398.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:48:52 PM)
3	13	13.9	265.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:49:02 PM)
4	13	19.1	375.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:49:12 PM)
5	12	17.8	400.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:49:21 PM)
6	15	13.7	264.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:49:28 PM)
7	12	15.8	255.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:49:38 PM)
8	14	17.6	251.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:49:49 PM)
9	12	12.3	473.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:49:56 PM)
10	14	19.6	487.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:50:03 PM)
11	14	11.1	369.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:50:12 PM)
12	13	19.5	327.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:50:24 PM)
13	12	16.0	420.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:50:32 PM)
14	13	15.6	224.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:50:40 PM)
15	15	18.0	281.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:50:48 PM)
16	12	19.3	432.0	No	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:50:57 PM)
17	14	16.1	250.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:51:07 PM)
18	15	13.0	361.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:51:15 PM)
19	15	15.4	313.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:51:23 PM)
20	12	13.0	490.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:51:30 PM)
21	13	12.5	294.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:51:40 PM)
22	15	11.5	498.0	Yes	5510.0MHz,	Single burst (06/07/2012 03:51:49 PM)

Table 10 - FCC Short Pulse Radar (Type 4) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	PM)
23	13	15.1	252.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:51:57 PM)
24	12	17.2	429.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:52:06 PM)
25	16	19.7	350.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:52:15 PM)
26	15	11.7	330.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:52:25 PM)
27	15	11.6	260.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:52:32 PM)
28	14	18.3	381.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:52:39 PM)
29	15	12.4	314.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:52:46 PM)
30	14	17.3	471.0	Yes	5510.0MHz, -64.0dBm	Single burst (06/07/2012 03:52:53 PM)

Table 11 - Long Sequence Waveform Summary 802.11abgn n40		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5510.0MHz, -64.0dBm
Trial #2	Detected	5510.0MHz, -64.0dBm
Trial #3	Detected	5510.0MHz, -64.0dBm
Trial #4	Detected	5510.0MHz, -64.0dBm
Trial #5	Detected	5510.0MHz, -64.0dBm
Trial #6	Detected	5510.0MHz, -64.0dBm
Trial #7	Detected	5510.0MHz, -64.0dBm
Trial #8	Detected	5510.0MHz, -64.0dBm
Trial #9	Detected	5510.0MHz, -64.0dBm
Trial #10	Detected	5510.0MHz, -64.0dBm
Trial #11	Detected	5510.0MHz, -64.0dBm
Trial #12	Detected	5510.0MHz, -64.0dBm
Trial #13	NOT Detected	5510.0MHz, -64.0dBm
Trial #14	Detected	5510.0MHz, -64.0dBm
Trial #15	Detected	5510.0MHz, -64.0dBm

Table 11 - Long Sequence Waveform Summary 802.11abgn n40		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #16	Detected	5510.0MHz, -64.0dBm
Trial #17	Detected	5510.0MHz, -64.0dBm
Trial #18	Detected	5510.0MHz, -64.0dBm
Trial #19	Detected	5510.0MHz, -64.0dBm
Trial #20	Detected	5510.0MHz, -64.0dBm
Trial #21	Detected	5510.0MHz, -64.0dBm
Trial #22	Detected	5510.0MHz, -64.0dBm
Trial #23	Detected	5510.0MHz, -64.0dBm
Trial #24	Detected	5510.0MHz, -64.0dBm
Trial #25	Detected	5510.0MHz, -64.0dBm
Trial #26	Detected	5510.0MHz, -64.0dBm
Trial #27	Detected	5510.0MHz, -64.0dBm
Trial #28	Detected	5510.0MHz, -64.0dBm
Trial #29	Detected	5510.0MHz, -64.0dBm
Trial #30	Detected	5510.0MHz, -64.0dBm

Table 12 - 802.11abgn n40 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 (s)
1	2	73.3	14	1624.0	-	0.250359
2	1	89.1	16	-	-	1.917317
3	2	88.3	16	1374.0	-	2.669554
4	1	69.3	13	-	-	3.305582
5	2	100.0	17	1529.0	-	4.677693
6	2	70.1	11	1852.0	-	5.579246
7	2	84.1	17	1621.0	-	6.751501
8	3	61.0	17	1263.0	1530.0	8.237739
9	2	56.9	6	1186.0	-	9.469856
10	3	68.5	7	1052.0	1681.0	9.870195
11	2	81.6	6	1403.0	-	11.631551

Table 13 - 802.11abgn n40 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 (s)
1	2	85.5	11	1149.0	-	0.392905
2	3	63.2	15	1139.0	1796.0	1.886945
3	1	63.8	13	-	-	3.110859

Table 13 - 802.11abgn n40 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 (s)
4	3	66.4	12	1351.0	1554.0	4.462301
5	2	84.5	7	1039.0	-	5.645412
6	2	68.8	10	1770.0	-	7.097393
7	2	66.2	19	1890.0	-	8.368907
8	1	74.1	19	-	-	9.208257
9	3	83.4	6	1114.0	1339.0	10.376670
10	3	73.8	6	1371.0	1783.0	11.227785

Table 14 - 802.11abgn n40 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 (s)
1	2	51.9	16	1294.0	-	0.016967
2	2	63.6	8	1297.0	-	1.332634
3	2	97.7	13	1095.0	-	2.327415
4	2	86.0	16	1142.0	-	4.026898
5	2	77.2	7	1011.0	-	5.445078
6	3	67.0	10	1232.0	1069.0	5.667806
7	2	85.5	19	1495.0	-	6.633293
8	2	71.2	12	1721.0	-	8.262571
9	1	95.8	9	-	-	8.991539
10	2	62.0	7	1492.0	-	10.762424
11	3	98.4	14	1380.0	1540.0	10.917012

Table 15 - 802.11abgn n40 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 (s)
1	3	86.9	11	1037.0	1354.0	0.003924
2	2	85.0	16	1810.0	-	1.361763
3	1	56.1	8	-	-	1.894161
4	3	82.6	12	1300.0	1056.0	2.487795
5	3	62.8	6	1025.0	1153.0	3.191975
6	1	65.7	20	-	-	3.896825
7	3	72.9	16	1040.0	1477.0	4.612333
8	2	69.9	10	1421.0	-	5.624263
9	2	65.3	17	1358.0	-	5.955822
10	1	55.0	15	-	-	6.367284
11	2	81.9	19	1536.0	-	7.748430
12	2	72.4	12	1506.0	-	7.816502
13	2	63.2	18	1810.0	-	8.712996
14	1	69.6	16	-	-	9.345861
15	2	74.3	17	1472.0	-	10.193300
16	2	90.5	13	1127.0	-	10.843810
17	1	58.5	10	-	-	11.543546

Table 16 - 802.11abgn n40 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 (s)
1	1	66.4	13	-	-	0.552036
2	2	59.7	6	1375.0	-	0.632711

Table 16 - 802.11abgn n40 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 (s)
3	3	56.9	19	1277.0	1192.0	1.375734
4	3	85.3	10	1756.0	1509.0	2.093276
5	3	86.7	14	1058.0	1585.0	3.151248
6	3	85.8	12	1345.0	1001.0	3.359496
7	2	73.6	6	1341.0	-	4.105603
8	2	67.8	18	1203.0	-	4.435172
9	1	62.5	17	-	-	5.328197
10	1	91.8	17	-	-	6.278525
11	3	55.1	7	1772.0	1745.0	6.584681
12	2	59.4	16	1508.0	-	6.976692
13	3	88.2	12	1369.0	1148.0	7.740768
14	3	82.5	18	1331.0	1203.0	8.262217
15	2	54.2	8	1382.0	-	9.341814
16	2	53.5	12	1602.0	-	10.016747
17	3	54.4	7	1376.0	1554.0	10.647220
18	2	87.2	10	1520.0	-	11.087874
19	3	62.9	12	1843.0	1810.0	11.519201

Table 17 - 802.11abgn n40 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 (s)
1	2	83.5	18	1548.0	-	0.464824
2	3	72.1	6	1640.0	1967.0	1.059094
3	2	89.8	16	1170.0	-	1.734945
4	2	59.9	14	1669.0	-	2.012523
5	3	96.8	6	1505.0	1241.0	2.990915
6	2	67.7	14	1560.0	-	3.373644
7	2	67.7	6	1450.0	-	4.212328
8	1	92.4	10	-	-	4.885467
9	3	68.6	10	1396.0	1823.0	5.387855
10	3	91.5	18	1360.0	1110.0	5.857205
11	3	81.5	17	1167.0	1690.0	6.838240
12	1	70.6	9	-	-	7.255903
13	2	92.6	9	1241.0	-	8.134280
14	1	67.4	7	-	-	8.507774
15	2	71.9	19	1065.0	-	9.308280
16	1	70.4	17	-	-	9.635747
17	2	63.9	13	1908.0	-	10.554601
18	2	77.0	6	1080.0	-	11.259134
19	1	65.7	8	-	-	11.614778

Table 18 - 802.11abgn n40 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 (s)
1	2	83.8	6	1682.0	-	0.490133
2	3	54.9	7	1787.0	1082.0	0.826009
3	3	87.1	14	1820.0	1507.0	1.926526
4	2	64.6	13	1980.0	-	2.483416
5	3	96.3	7	1933.0	1972.0	3.223591
6	1	73.9	18	-	-	4.005919

Table 18 - 802.11abgn n40 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 (s)
7	2	92.2	13	1127.0	-	4.849674
8	1	67.4	18	-	-	5.809752
9	2	78.6	7	1283.0	-	6.274824
10	1	66.8	15	-	-	7.266400
11	1	82.0	9	-	-	8.161630
12	2	68.5	15	1821.0	-	8.422607
13	2	60.3	10	1328.0	-	9.710271
14	2	84.9	14	1741.0	-	9.750580
15	2	62.3	7	1312.0	-	11.110114
16	2	63.2	19	1795.0	-	11.323363

Table 19 - 802.11abgn n40 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 (s)
1	3	76.5	15	1852.0	1534.0	0.788738
2	2	90.5	13	1467.0	-	1.669212
3	2	93.2	9	1285.0	-	2.648148
4	3	65.2	6	1432.0	1186.0	2.776487
5	3	60.2	17	1395.0	1218.0	4.256993
6	2	89.1	10	1164.0	-	5.169693
7	2	81.4	16	1927.0	-	5.807628
8	2	55.2	7	1865.0	-	7.366101
9	2	66.5	18	1393.0	-	8.091480
10	2	85.8	12	1516.0	-	8.532528
11	1	75.3	11	-	-	9.455487
12	2	59.2	8	1928.0	-	10.237595
13	1	76.1	19	-	-	11.638685

Table 20 - 802.11abgn n40 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 (s)
1	2	66.1	9	1516.0	-	0.241948
2	2	94.4	20	1443.0	-	1.344005
3	2	94.2	8	1962.0	-	1.981732
4	2	81.2	8	1621.0	-	2.776365
5	3	96.1	8	1830.0	1475.0	3.507376
6	3	98.3	16	1840.0	1573.0	4.568078
7	3	69.8	15	1788.0	1565.0	5.988642
8	2	64.2	6	1415.0	-	6.350019
9	3	76.8	17	1162.0	1695.0	7.059898
10	2	72.8	7	1887.0	-	7.848234
11	2	66.1	12	1184.0	-	9.268478
12	1	78.6	14	-	-	9.628114
13	1	95.1	19	-	-	10.558365
14	1	92.6	11	-	-	11.789518

Table 21 - 802.11abgn n40 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 (s)

Table 21 - 802.11abgn n40 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 (s)
1	3	50.9	10	1148.0	1167.0	0.609820
2	2	73.9	15	1491.0	-	1.514678
3	2	94.2	18	1553.0	-	3.411401
4	1	61.8	11	-	-	5.758649
5	2	56.5	16	1316.0	-	7.042844
6	1	56.0	12	-	-	7.973917
7	1	84.1	16	-	-	9.521482
8	2	67.7	17	1800.0	-	11.205790

Table 22 - 802.11abgn n40 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 (s)
1	2	50.5	11	1410.0	-	1.029714
2	2	73.3	14	1568.0	-	1.474689
3	3	99.5	6	1948.0	1143.0	2.343327
4	2	85.7	16	1572.0	-	4.258780
5	1	96.7	19	-	-	4.991959
6	3	67.0	18	1384.0	1958.0	6.328049
7	2	61.8	15	1099.0	-	7.015174
8	2	62.1	12	1979.0	-	8.024384
9	3	97.8	8	1359.0	1476.0	9.085580
10	2	85.9	14	1934.0	-	9.884669
11	3	58.0	20	1880.0	1494.0	11.370541

Table 23 - 802.11abgn n40 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 (s)
1	1	76.2	12	-	-	0.853766
2	3	78.5	16	1794.0	1126.0	1.089751
3	2	85.2	19	1305.0	-	2.026642
4	2	83.9	7	1502.0	-	3.697374
5	2	66.5	14	1158.0	-	4.909555
6	2	53.3	18	1782.0	-	5.728626
7	2	56.9	17	1354.0	-	6.349767
8	3	70.7	7	1303.0	1725.0	7.467677
9	3	93.9	7	1148.0	1141.0	8.982912
10	3	53.2	8	1011.0	1675.0	9.390215
11	3	98.9	17	1015.0	1618.0	10.903359
12	2	74.1	8	1477.0	-	11.165828

Table 24 - 802.11abgn n40 Long Sequence Waveform Trial#13 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	92.6	8	-	-	0.570357
2	2	64.4	8	1511.0	-	0.783422
3	2	85.2	15	1489.0	-	1.534309
4	2	89.8	16	1425.0	-	2.420135
5	2	92.1	7	1633.0	-	3.256584
6	2	52.5	16	1538.0	-	3.412317

Table 24 - 802.11abgn n40 Long Sequence Waveform Trial#13 (NOT Detected)						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
7	3	84.5	12	1553.0	1673.0	4.184596
8	1	79.5	8	-	-	5.151768
9	1	60.1	7	-	-	5.726595
10	3	50.3	9	1253.0	1733.0	6.120431
11	1	87.9	19	-	-	7.273232
12	2	89.9	10	1173.0	-	7.551302
13	3	53.2	15	1806.0	1179.0	8.523363
14	1	80.3	17	-	-	8.745725
15	2	89.7	12	1196.0	-	9.515729
16	2	57.8	9	1995.0	-	10.586142
17	2	78.5	14	1006.0	-	10.783846
18	3	75.0	6	1033.0	1594.0	11.518200

Table 25 - 802.11abgn n40 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 (s)
1	2	60.9	12	1996.0	-	0.623525
2	3	50.4	6	1132.0	1237.0	0.869720
3	1	79.0	11	-	-	1.995246
4	2	55.6	8	1445.0	-	3.129104
5	2	89.3	19	1931.0	-	4.005841
6	2	61.5	20	1835.0	-	4.471969
7	3	57.5	13	1424.0	1500.0	5.243855
8	2	71.6	14	1716.0	-	6.322633
9	2	50.4	8	1689.0	-	7.551858
10	2	57.8	17	1712.0	-	8.081700
11	2	99.0	16	1659.0	-	8.769630
12	2	51.0	5	1586.0	-	10.046929
13	2	72.8	13	1070.0	-	10.448630
14	1	65.3	13	-	-	11.501251

Table 26 - 802.11abgn n40 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 (s)
1	2	67.6	13	1056.0	-	0.982118
2	2	50.1	9	1026.0	-	1.574214
3	3	80.1	14	1397.0	1904.0	2.679141
4	3	84.7	6	1529.0	1363.0	4.329936
5	2	63.6	11	1856.0	-	6.153778
6	3	91.7	16	1756.0	1556.0	6.929657
7	3	86.3	9	1519.0	1365.0	8.734392
8	2	81.7	11	1745.0	-	9.622133
9	3	56.4	12	1887.0	1137.0	11.251215

Table 27 - 802.11abgn n40 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 (s)
1	1	73.6	13	-	-	0.386291
2	3	82.4	11	1619.0	1629.0	1.232969

Table 27 - 802.11abgn n40 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 (s)
3	1	58.8	12	-	-	1.677262
4	2	50.4	11	1188.0	-	3.117395
5	2	96.0	18	1791.0	-	3.487144
6	3	61.2	10	1208.0	1539.0	4.368000
7	3	72.1	10	1490.0	1899.0	4.892311
8	2	89.1	19	1214.0	-	5.995230
9	3	96.4	16	1349.0	1788.0	6.784822
10	3	93.6	17	1971.0	1623.0	7.607529
11	3	58.2	15	1145.0	1729.0	8.584099
12	2	52.3	16	1446.0	-	8.967916
13	2	58.3	11	1642.0	-	10.052992
14	1	56.7	20	-	-	11.170185
15	2	86.6	14	1879.0	-	11.535395

Table 28 - 802.11abgn n40 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 (s)
1	2	95.4	19	1590.0	-	0.505865
2	3	58.9	11	1260.0	1085.0	0.893540
3	1	52.9	15	-	-	1.460780
4	1	54.2	10	-	-	2.312605
5	1	65.7	8	-	-	2.540697
6	2	56.8	9	1381.0	-	3.509763
7	2	57.3	15	1855.0	-	4.306918
8	3	53.6	6	1490.0	1890.0	4.621248
9	2	73.2	15	1824.0	-	5.157374
10	2	97.2	6	1933.0	-	6.005845
11	3	59.7	11	1527.0	1416.0	6.343544
12	3	95.5	8	1643.0	1517.0	7.530752
13	2	85.4	19	1619.0	-	8.116983
14	2	67.8	19	1206.0	-	8.765553
15	3	77.3	17	1489.0	1406.0	9.071408
16	3	99.7	12	1903.0	1235.0	9.987489
17	2	53.6	7	1319.0	-	10.256633
18	3	55.8	16	1279.0	1819.0	11.089751
19	3	79.3	20	1472.0	1306.0	11.430112

Table 29 - 802.11abgn n40 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 (s)
1	2	88.4	11	1028.0	-	0.904536
2	2	91.7	10	1525.0	-	1.887834
3	3	73.8	10	1220.0	1248.0	2.809157
4	1	76.7	12	-	-	4.041832
5	1	94.9	16	-	-	6.020719
6	1	51.4	9	-	-	7.703497
7	2	82.1	17	1131.0	-	8.115613
8	2	58.9	6	1035.0	-	9.648868
9	3	65.6	11	1803.0	1083.0	11.506699

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	96.9	19	1725.0	-	0.850240
2	2	50.9	14	1840.0	-	1.593224
3	2	77.9	12	1633.0	-	2.009696
4	2	94.4	6	1753.0	-	3.135168
5	2	74.5	9	1057.0	-	4.257059
6	2	61.4	16	1140.0	-	5.019691
7	2	73.3	10	1825.0	-	5.873331
8	2	72.0	16	1924.0	-	6.136716
9	3	79.5	18	1468.0	1794.0	7.467421
10	2	90.0	13	1648.0	-	7.884559
11	1	89.3	16	-	-	9.423591
12	1	92.7	16	-	-	10.263119
13	2	73.0	10	2000.0	-	10.859119
14	2	92.8	18	1751.0	-	11.322425

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	86.8	8	1422.0	-	0.703005
2	1	76.1	12	-	-	1.124802
3	3	66.0	10	1454.0	1663.0	2.036923
4	3	51.9	14	1817.0	1722.0	2.672858
5	3	64.7	8	1222.0	1544.0	4.217882
6	3	84.2	19	1489.0	1069.0	5.070823
7	1	75.0	8	-	-	5.247915
8	2	56.7	16	1583.0	-	6.715150
9	2	69.8	20	1022.0	-	7.545688
10	2	52.9	18	1796.0	-	8.012058
11	2	86.5	19	1618.0	-	9.193188
12	2	71.6	14	1123.0	-	9.933331
13	3	97.6	17	1596.0	1508.0	10.444710
14	3	65.9	17	1080.0	1364.0	11.407243

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	87.9	20	-	-	0.244024
2	2	61.6	19	1427.0	-	0.919903
3	2	82.4	8	1540.0	-	1.984426
4	3	84.2	7	1002.0	1526.0	2.171456
5	3	75.6	13	1502.0	1945.0	2.860191
6	1	88.9	15	-	-	3.680847
7	3	97.1	16	1016.0	1526.0	4.337907
8	1	53.2	13	-	-	5.408939
9	2	56.1	10	1466.0	-	6.018003
10	1	82.1	17	-	-	6.891308
11	3	63.0	13	1338.0	1833.0	7.553447
12	1	68.0	14	-	-	8.056158
13	3	55.5	17	1359.0	1140.0	8.532391
14	2	72.1	17	1046.0	-	9.633799

Table 32 - 802.11abgn n40 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 (s)
15	1	73.9	10	-	-	10.244530
16	2	92.2	8	1988.0	-	10.653089
17	2	64.1	10	1659.0	-	11.783540

Table 33 - 802.11abgn n40 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 (s)
1	3	50.8	20	1844.0	1634.0	0.081173
2	2	57.0	13	1255.0	-	1.047906
3	2	64.0	11	1266.0	-	2.067427
4	1	66.7	8	-	-	2.939898
5	2	78.2	10	1175.0	-	3.224775
6	1	97.5	9	-	-	4.040881
7	2	78.3	20	1060.0	-	4.894244
8	3	97.5	7	1670.0	1982.0	5.942108
9	2	99.1	11	1317.0	-	6.531716
10	2	91.7	18	1983.0	-	7.270985
11	1	63.8	16	-	-	8.176217
12	1	64.8	10	-	-	8.417654
13	3	66.8	5	1127.0	1304.0	9.425443
14	3	86.2	9	1740.0	1587.0	10.207189
15	1	67.1	17	-	-	10.644445
16	2	88.5	8	1435.0	-	11.266665

Table 34 - 802.11abgn n40 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 (s)
1	3	86.1	7	1007.0	1228.0	0.262315
2	2	79.3	13	1051.0	-	0.996236
3	1	85.1	13	-	-	1.514826
4	3	85.7	19	1565.0	1227.0	2.785748
5	2	69.8	9	1700.0	-	3.132627
6	3	95.3	18	1868.0	1068.0	3.845479
7	1	65.2	5	-	-	4.804826
8	1	77.6	9	-	-	5.604850
9	2	52.1	15	1167.0	-	6.455531
10	2	78.8	9	1646.0	-	7.314256
11	1	70.8	19	-	-	8.068352
12	1	63.8	19	-	-	8.604366
13	3	95.9	16	1577.0	1222.0	9.638713
14	3	59.0	17	1741.0	1498.0	10.191155
15	3	64.0	13	1622.0	1873.0	10.661942
16	2	86.7	18	1850.0	-	11.939204

Table 35 - 802.11abgn n40 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 (s)
1	2	96.7	18	1518.0	-	0.049273
2	2	70.9	6	1331.0	-	1.150371

Table 35 - 802.11abgn n40 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 (s)
3	2	51.7	7	1009.0	-	1.551814
4	1	57.7	18	-	-	2.362906
5	2	90.9	12	1207.0	-	3.576145
6	2	54.2	14	1637.0	-	4.073387
7	1	97.1	15	-	-	4.971666
8	1	85.0	16	-	-	5.977420
9	2	79.1	18	1451.0	-	6.125262
10	1	91.0	16	-	-	6.872368
11	3	62.2	18	1704.0	1417.0	7.792903
12	1	84.8	9	-	-	8.892974
13	2	76.2	19	1827.0	-	9.037221
14	3	95.0	17	1947.0	1880.0	9.993577
15	3	73.5	6	1706.0	1598.0	10.527132
16	3	88.0	7	1223.0	1484.0	11.390465

Table 36 - 802.11abgn n40 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 (s)
1	2	76.6	12	1718.0	-	0.302149
2	1	66.0	9	-	-	2.159133
3	2	66.8	19	1981.0	-	3.947189
4	3	71.8	11	1313.0	1296.0	5.281555
5	1	97.4	19	-	-	6.333644
6	3	92.3	12	1935.0	1872.0	6.696898
7	3	71.8	13	1097.0	1732.0	8.235029
8	2	51.2	8	1815.0	-	9.700047
9	2	51.1	19	1316.0	-	10.692790

Table 37 - 802.11abgn n40 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 (s)
1	2	92.0	6	1964.0	-	0.182136
2	2	91.7	17	1412.0	-	1.660138
3	1	74.0	20	-	-	2.129649
4	2	54.4	19	1418.0	-	2.666618
5	3	74.3	17	1106.0	1198.0	4.186028
6	2	69.5	6	1503.0	-	4.411566
7	3	54.6	6	1977.0	1067.0	5.718675
8	2	91.0	15	1372.0	-	6.817928
9	2	66.5	8	1853.0	-	7.304347
10	1	96.7	11	-	-	7.974191
11	1	52.1	6	-	-	9.188800
12	2	87.5	11	1080.0	-	10.235943
13	2	50.5	12	1452.0	-	10.478855
14	2	88.2	19	1708.0	-	11.861708

Table 38 - 802.11abgn n40 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 (s)

Table 38 - 802.11abgn n40 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 (s)
1	2	68.7	18	1245.0	-	0.558789
2	2	87.8	19	1509.0	-	1.076824
3	1	63.0	20	-	-	2.149225
4	1	64.5	13	-	-	2.595353
5	2	98.5	17	1104.0	-	3.743411
6	2	72.4	20	1121.0	-	4.440664
7	3	63.6	6	1430.0	1456.0	5.096682
8	2	86.9	9	1843.0	-	6.096658
9	2	53.3	15	1168.0	-	6.973217
10	2	52.2	7	1640.0	-	7.393550
11	3	96.5	13	1574.0	1567.0	8.359388
12	3	68.9	15	1488.0	1594.0	8.894405
13	1	84.3	6	-	-	10.183312
14	1	77.2	18	-	-	11.184925
15	3	73.7	7	1951.0	1288.0	11.921562

Table 39 - 802.11abgn n40 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 (s)
1	2	66.3	8	1825.0	-	0.625749
2	2	83.7	16	1852.0	-	0.762540
3	3	79.3	14	1564.0	1359.0	1.277061
4	2	97.4	18	1786.0	-	2.056670
5	1	69.0	7	-	-	2.825745
6	3	89.6	5	1945.0	1242.0	3.180848
7	2	98.3	17	1911.0	-	4.008213
8	1	55.0	10	-	-	4.849344
9	2	66.7	7	1238.0	-	5.402795
10	3	62.2	16	1388.0	1676.0	6.023253
11	2	74.6	14	1300.0	-	6.412263
12	3	78.3	17	1942.0	1417.0	7.201071
13	2	67.1	13	1385.0	-	8.144313
14	1	59.5	19	-	-	8.213068
15	1	61.4	19	-	-	8.922371
16	1	76.9	11	-	-	9.861683
17	3	53.3	18	1508.0	1262.0	10.631180
18	3	93.3	13	1140.0	1264.0	11.251998
19	3	99.1	8	1588.0	1246.0	11.621063

Table 40 - 802.11abgn n40 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 (s)
1	2	94.5	11	1758.0	-	0.536747
2	3	79.9	16	1584.0	1917.0	0.698008
3	2	84.2	5	1226.0	-	1.329576
4	1	59.5	8	-	-	2.375615
5	3	73.8	14	1535.0	1058.0	2.478295
6	1	85.5	15	-	-	3.349823
7	1	98.2	14	-	-	3.952876
8	2	79.4	14	1622.0	-	4.431223

Table 40 - 802.11abgn n40 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 (s)
9	2	87.4	13	1906.0	-	5.340372
10	3	82.8	6	1059.0	1120.0	5.505330
11	1	82.6	8	-	-	6.175411
12	3	73.8	16	1448.0	1817.0	6.778363
13	3	91.9	7	1251.0	1859.0	7.287134
14	2	85.8	11	1540.0	-	8.070343
15	1	60.6	10	-	-	8.760872
16	2	82.4	10	1567.0	-	9.368334
17	3	94.7	19	1001.0	1200.0	10.081510
18	2	81.2	7	1820.0	-	10.267018
19	3	69.3	19	1399.0	1045.0	10.891848
20	2	69.4	11	1849.0	-	11.746083

Table 41 - 802.11abgn n40 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 (s)
1	2	99.2	9	1257.0	-	0.855169
2	1	59.9	20	-	-	1.690866
3	3	61.4	8	1027.0	1707.0	2.212255
4	1	75.5	10	-	-	3.825762
5	1	93.0	16	-	-	4.546022
6	3	62.8	6	1685.0	1980.0	6.009610
7	2	77.8	14	1867.0	-	6.758429
8	1	88.0	10	-	-	8.181656
9	3	81.6	7	1597.0	1504.0	9.301059
10	2	83.4	13	1965.0	-	10.812669
11	2	88.1	13	1918.0	-	11.682838

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5376, 5321, 5519, 5317, 5333, 5512, 5594, 5405, 5278, 5250, 5309, 5516, 5629, 5674, 5510, 5265, 5496, 5578, 5719, 5430, 5399, 5691, 5725, 5410, 5530, 5440, 5608, 5591, 5355, 5253, 5526, 5404, 5637, 5696, 5426, 5621, 5308, 5548, 5314, 5687, 5459, 5411, 5577, 5539, 5682, 5664, 5363, 5597, 5385, 5402, 5353, 5364, 5320, 5323, 5643, 5515, 5547, 5598, 5393, 5607, 5718, 5340, 5470, 5685, 5593, 5473, 5587, 5579, 5307, 5616, 5407, 5428, 5493, 5552, 5335, 5684, 5491, 5555, 5406, 5336, 5310, 5464, 5378, 5599, 5365, 5681, 5586, 5357, 5697, 5332, 5631, 5484, 5437, 5688, 5638, 5545, 5700, 5425, 5603, 5667 (7 hits) (06/07/2012 05:18:37 PM)
2	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5697, 5433, 5453, 5471, 5337, 5639, 5481, 5270, 5458, 5485, 5261, 5689, 5452, 5291, 5509, 5545, 5417, 5277, 5516, 5525, 5488, 5427, 5447, 5258, 5263, 5290, 5436, 5655, 5351, 5275, 5658, 5522, 5531, 5302, 5496, 5410, 5698, 5613, 5705, 5526, 5491, 5484, 5398, 5721, 5384, 5361, 5454, 5400, 5535, 5704, 5435, 5637, 5681, 5515, 5469, 5641, 5720, 5307, 5323, 5404, 5449, 5553, 5304, 5344, 5466, 5255, 5701, 5652, 5564, 5376, 5306, 5574, 5664, 5537, 5600, 5584, 5500, 5421, 5339, 5507, 5268, 5403, 5646, 5373, 5699, 5539, 5520, 5567, 5322, 5614, 5618, 5582, 5368, 5679, 5352, 5271, 5366, 5715, 5310, 5659 (10 hits) (06/07/2012 05:18:44 PM)
3	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5369, 5533, 5463, 5677, 5611, 5507, 5609, 5596, 5697, 5401, 5566, 5573, 5332, 5658, 5618, 5268, 5405, 5500, 5365, 5417, 5687, 5460, 5537, 5512, 5315, 5442, 5578, 5625, 5610, 5294, 5422, 5376, 5283, 5297, 5406, 5680, 5538, 5495, 5296, 5648, 5349, 5309, 5354, 5348, 5301, 5476, 5576, 5416,

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5357, 5280, 5420, 5388, 5492, 5378, 5435, 5440, 5479, 5547, 5275, 5467, 5409, 5632, 5579, 5546, 5668, 5557, 5436, 5413, 5520, 5381, 5257, 5407, 5483, 5385, 5431, 5461, 5670, 5269, 5313, 5558, 5370, 5568, 5466, 5452, 5473, 5350, 5445, 5587, 5344, 5517, 5666, 5584, 5724, 5655, 5678, 5274, 5471, 5503, 5548, 5470 (7 hits) (06/07/2012 05:18:50 PM)
4	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5459, 5633, 5608, 5625, 5667, 5568, 5584, 5441, 5385, 5696, 5576, 5275, 5250, 5468, 5528, 5404, 5307, 5387, 5644, 5665, 5651, 5511, 5618, 5716, 5420, 5346, 5602, 5410, 5323, 5322, 5549, 5597, 5627, 5288, 5612, 5515, 5310, 5499, 5368, 5304, 5680, 5347, 5720, 5270, 5611, 5431, 5588, 5496, 5398, 5313, 5442, 5531, 5466, 5276, 5649, 5454, 5646, 5280, 5412, 5316, 5669, 5632, 5674, 5462, 5617, 5658, 5642, 5677, 5606, 5446, 5330, 5629, 5671, 5363, 5718, 5500, 5698, 5713, 5408, 5524, 5279, 5407, 5562, 5328, 5708, 5495, 5621, 5590, 5400, 5291, 5476, 5299, 5723, 5566, 5585, 5453, 5381, 5529, 5439, 5631 (7 hits) (06/07/2012 05:18:56 PM)
5	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5633, 5498, 5356, 5417, 5463, 5377, 5468, 5351, 5720, 5533, 5535, 5592, 5601, 5332, 5515, 5714, 5298, 5563, 5366, 5635, 5317, 5271, 5693, 5594, 5702, 5304, 5295, 5277, 5399, 5490, 5448, 5514, 5646, 5269, 5334, 5640, 5510, 5528, 5312, 5479, 5482, 5266, 5591, 5329, 5524, 5257, 5252, 5397, 5717, 5331, 5272, 5274, 5691, 5712, 5459, 5613, 5590, 5673, 5686, 5664, 5409, 5537, 5553, 5577, 5688, 5367, 5719, 5321, 5311, 5544, 5708, 5540, 5586, 5705, 5391, 5353, 5641, 5291, 5621, 5299, 5280, 5626, 5481, 5519, 5647, 5251, 5420, 5619, 5434, 5671, 5478, 5588, 5486, 5393, 5564, 5476, 5265, 5631, 5654, 5349 (6 hits) (06/07/2012

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						05:19:02 PM)
6	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5676, 5312, 5397, 5358, 5395, 5635, 5598, 5254, 5586, 5606, 5458, 5708, 5354, 5367, 5318, 5721, 5290, 5410, 5429, 5295, 5697, 5284, 5564, 5674, 5286, 5580, 5265, 5554, 5590, 5540, 5394, 5642, 5658, 5619, 5681, 5430, 5369, 5563, 5520, 5499, 5724, 5633, 5565, 5404, 5616, 5473, 5641, 5264, 5589, 5539, 5491, 5423, 5718, 5600, 5615, 5485, 5486, 5368, 5428, 5383, 5688, 5506, 5313, 5591, 5456, 5530, 5335, 5342, 5325, 5479, 5457, 5328, 5683, 5706, 5624, 5693, 5440, 5550, 5355, 5663, 5505, 5628, 5472, 5649, 5306, 5709, 5454, 5488, 5450, 5557, 5343, 5251, 5712, 5283, 5366, 5632, 5252, 5630, 5273, 5280 (4 hits) (06/07/2012 05:19:12 PM)
7	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5280, 5364, 5673, 5576, 5304, 5528, 5378, 5480, 5261, 5420, 5541, 5513, 5615, 5530, 5260, 5408, 5472, 5263, 5585, 5697, 5471, 5277, 5493, 5308, 5497, 5666, 5577, 5374, 5476, 5522, 5409, 5445, 5321, 5671, 5436, 5306, 5295, 5583, 5255, 5645, 5717, 5614, 5345, 5287, 5302, 5439, 5581, 5722, 5349, 5609, 5358, 5348, 5703, 5294, 5579, 5316, 5520, 5554, 5392, 5506, 5692, 5598, 5724, 5468, 5690, 5715, 5337, 5376, 5443, 5633, 5250, 5399, 5382, 5519, 5536, 5663, 5589, 5414, 5565, 5687, 5454, 5379, 5553, 5440, 5475, 5661, 5659, 5713, 5591, 5479, 5708, 5550, 5397, 5253, 5667, 5496, 5498, 5406, 5467, 5317 (8 hits) (06/07/2012 05:19:19 PM)
8	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5655, 5367, 5325, 5408, 5509, 5622, 5710, 5271, 5258, 5346, 5359, 5459, 5693, 5504, 5524, 5319, 5702, 5681, 5423, 5426, 5490, 5518, 5486, 5333, 5425, 5585, 5538, 5604, 5540, 5492, 5445, 5695, 5513, 5495, 5664, 5648, 5488, 5603, 5491, 5470, 5463, 5295, 5296, 5691, 5375, 5661, 5638, 5432,

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5401, 5605, 5384, 5672, 5576, 5500, 5473, 5407, 5707, 5461, 5487, 5680, 5630, 5288, 5512, 5361, 5535, 5330, 5711, 5703, 5355, 5511, 5671, 5708, 5545, 5553, 5574, 5409, 5308, 5660, 5416, 5629, 5481, 5618, 5467, 5456, 5569, 5427, 5266, 5587, 5402, 5525, 5411, 5531, 5327, 5665, 5449, 5641, 5317, 5444, 5433, 5720 (10 hits) (06/07/2012 05:19:26 PM)
9	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5610, 5256, 5257, 5544, 5319, 5367, 5501, 5350, 5518, 5348, 5299, 5436, 5720, 5618, 5346, 5314, 5404, 5295, 5627, 5604, 5573, 5541, 5559, 5288, 5709, 5511, 5580, 5452, 5615, 5616, 5503, 5575, 5336, 5612, 5548, 5417, 5315, 5703, 5553, 5638, 5504, 5672, 5322, 5412, 5266, 5535, 5507, 5368, 5476, 5339, 5657, 5384, 5508, 5276, 5570, 5402, 5326, 5665, 5472, 5550, 5432, 5353, 5316, 5534, 5526, 5630, 5662, 5589, 5478, 5722, 5399, 5387, 5572, 5620, 5510, 5671, 5438, 5483, 5496, 5578, 5425, 5283, 5301, 5658, 5719, 5480, 5461, 5628, 5635, 5271, 5458, 5259, 5359, 5447, 5397, 5609, 5701, 5264, 5540, 5542 (10 hits) (06/07/2012 05:19:32 PM)
10	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5440, 5458, 5665, 5255, 5708, 5598, 5693, 5606, 5429, 5688, 5657, 5336, 5593, 5709, 5294, 5288, 5298, 5692, 5540, 5447, 5617, 5652, 5464, 5461, 5559, 5584, 5296, 5328, 5483, 5347, 5432, 5455, 5463, 5673, 5521, 5263, 5396, 5583, 5408, 5522, 5436, 5471, 5359, 5634, 5451, 5465, 5506, 5454, 5273, 5711, 5549, 5479, 5510, 5466, 5651, 5450, 5300, 5697, 5491, 5608, 5363, 5280, 5722, 5317, 5409, 5370, 5351, 5361, 5421, 5350, 5333, 5519, 5415, 5412, 5379, 5676, 5698, 5254, 5346, 5308, 5438, 5613, 5701, 5494, 5252, 5517, 5700, 5668, 5666, 5272, 5547, 5629, 5251, 5468, 5475, 5302, 5382, 5411, 5589, 5603 (7 hits) (06/07/2012

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						05:19:38 PM)
11	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5503, 5492, 5424, 5320, 5327, 5301, 5608, 5615, 5447, 5315, 5541, 5637, 5297, 5335, 5494, 5726, 5272, 5377, 5559, 5721, 5544, 5408, 5392, 5380, 5276, 5418, 5507, 5650, 5475, 5361, 5602, 5654, 5420, 5652, 5318, 5614, 5640, 5255, 5473, 5399, 5458, 5643, 5340, 5523, 5551, 5296, 5630, 5353, 5563, 5427, 5405, 5668, 5400, 5521, 5283, 5656, 5264, 5409, 5610, 5474, 5707, 5391, 5252, 5363, 5282, 5450, 5419, 5329, 5659, 5613, 5582, 5441, 5607, 5547, 5590, 5356, 5622, 5710, 5389, 5439, 5372, 5444, 5660, 5540, 5638, 5703, 5288, 5713, 5552, 5705, 5465, 5344, 5525, 5480, 5471, 5274, 5513, 5436, 5324, 5443 (7 hits) (06/07/2012 05:19:46 PM)
12	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5569, 5682, 5262, 5612, 5326, 5329, 5336, 5647, 5689, 5615, 5702, 5687, 5692, 5317, 5409, 5387, 5371, 5313, 5404, 5724, 5524, 5608, 5325, 5278, 5593, 5337, 5379, 5311, 5588, 5523, 5705, 5345, 5494, 5429, 5413, 5595, 5451, 5344, 5346, 5347, 5547, 5263, 5679, 5527, 5342, 5675, 5706, 5314, 5575, 5552, 5582, 5716, 5416, 5636, 5543, 5622, 5652, 5321, 5377, 5322, 5540, 5664, 5388, 5383, 5399, 5410, 5584, 5272, 5535, 5656, 5384, 5557, 5414, 5443, 5277, 5275, 5515, 5719, 5541, 5657, 5488, 5500, 5265, 5683, 5390, 5680, 5686, 5718, 5713, 5286, 5517, 5695, 5592, 5435, 5643, 5704, 5303, 5353, 5312, 5349 (6 hits) (06/07/2012 05:19:54 PM)
13	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5316, 5562, 5581, 5256, 5363, 5274, 5463, 5623, 5516, 5416, 5402, 5330, 5657, 5573, 5275, 5252, 5546, 5446, 5397, 5351, 5688, 5261, 5324, 5663, 5322, 5633, 5312, 5554, 5430, 5417, 5358, 5707, 5601, 5724, 5475, 5684, 5563, 5598, 5464, 5350, 5451, 5458, 5325, 5505, 5575, 5651, 5433, 5298,

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5349, 5721, 5297, 5276, 5716, 5565, 5472, 5455, 5401, 5283, 5488, 5271, 5279, 5533, 5452, 5697, 5619, 5408, 5359, 5592, 5560, 5461, 5725, 5468, 5652, 5440, 5585, 5572, 5253, 5596, 5480, 5412, 5400, 5310, 5703, 5438, 5511, 5653, 5638, 5561, 5603, 5284, 5318, 5626, 5594, 5396, 5407, 5311, 5320, 5303, 5305, 5415 (3 hits) (06/07/2012 05:20:00 PM)
14	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5621, 5529, 5712, 5511, 5510, 5649, 5468, 5584, 5535, 5640, 5554, 5410, 5366, 5342, 5379, 5301, 5508, 5577, 5333, 5286, 5537, 5639, 5673, 5573, 5471, 5612, 5441, 5401, 5666, 5632, 5600, 5723, 5702, 5262, 5487, 5495, 5534, 5363, 5663, 5378, 5383, 5295, 5483, 5638, 5595, 5726, 5500, 5616, 5617, 5478, 5602, 5698, 5340, 5516, 5684, 5608, 5371, 5502, 5711, 5498, 5394, 5572, 5705, 5398, 5519, 5695, 5667, 5665, 5466, 5648, 5588, 5411, 5661, 5542, 5517, 5392, 5255, 5395, 5367, 5292, 5315, 5380, 5507, 5725, 5282, 5514, 5393, 5386, 5688, 5322, 5613, 5635, 5716, 5704, 5334, 5555, 5317, 5488, 5492, 5442 (12 hits) (06/07/2012 05:20:06 PM)
15	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5619, 5286, 5323, 5615, 5387, 5281, 5296, 5308, 5474, 5540, 5437, 5583, 5446, 5284, 5405, 5488, 5556, 5348, 5496, 5381, 5402, 5321, 5398, 5481, 5577, 5589, 5456, 5316, 5689, 5567, 5439, 5490, 5426, 5707, 5637, 5256, 5400, 5537, 5504, 5258, 5342, 5626, 5441, 5383, 5673, 5366, 5374, 5545, 5596, 5671, 5539, 5444, 5500, 5640, 5625, 5536, 5421, 5666, 5554, 5275, 5716, 5632, 5561, 5451, 5578, 5498, 5293, 5331, 5629, 5682, 5585, 5660, 5509, 5720, 5590, 5510, 5371, 5317, 5665, 5693, 5648, 5647, 5531, 5313, 5333, 5668, 5643, 5435, 5340, 5649, 5584, 5294, 5420, 5443, 5686, 5702, 5705, 5384, 5369, 5655 (6 hits) (06/07/2012

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						05:20:12 PM)
16	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5344, 5252, 5445, 5356, 5479, 5656, 5548, 5492, 5367, 5366, 5348, 5455, 5340, 5712, 5352, 5313, 5259, 5713, 5419, 5587, 5399, 5515, 5668, 5612, 5560, 5509, 5578, 5357, 5585, 5334, 5268, 5690, 5684, 5433, 5643, 5710, 5559, 5673, 5522, 5488, 5322, 5428, 5463, 5610, 5341, 5392, 5276, 5439, 5261, 5436, 5451, 5324, 5547, 5432, 5361, 5717, 5617, 5534, 5418, 5563, 5370, 5544, 5680, 5385, 5373, 5588, 5706, 5657, 5535, 5448, 5425, 5543, 5538, 5375, 5533, 5275, 5698, 5408, 5499, 5311, 5321, 5482, 5540, 5568, 5638, 5310, 5624, 5590, 5481, 5306, 5410, 5446, 5281, 5542, 5383, 5671, 5326, 5381, 5364, 5438 (4 hits) (06/07/2012 05:20:19 PM)
17	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5416, 5494, 5255, 5701, 5531, 5564, 5501, 5521, 5717, 5495, 5437, 5407, 5371, 5619, 5327, 5618, 5493, 5261, 5474, 5356, 5601, 5534, 5434, 5648, 5380, 5550, 5256, 5302, 5697, 5330, 5515, 5709, 5299, 5540, 5586, 5447, 5390, 5296, 5386, 5582, 5711, 5372, 5647, 5361, 5258, 5316, 5716, 5613, 5710, 5580, 5331, 5357, 5527, 5544, 5687, 5719, 5444, 5429, 5644, 5707, 5353, 5260, 5545, 5668, 5286, 5660, 5636, 5594, 5481, 5297, 5573, 5413, 5489, 5275, 5563, 5397, 5320, 5268, 5365, 5692, 5463, 5414, 5300, 5558, 5345, 5379, 5634, 5604, 5389, 5679, 5703, 5301, 5449, 5667, 5254, 5324, 5338, 5287, 5546, 5374 (5 hits) (06/07/2012 05:20:26 PM)
18	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5278, 5686, 5521, 5591, 5490, 5329, 5625, 5267, 5252, 5522, 5594, 5448, 5715, 5644, 5611, 5502, 5653, 5556, 5346, 5441, 5401, 5628, 5607, 5694, 5476, 5635, 5258, 5519, 5360, 5634, 5570, 5372, 5532, 5319, 5261, 5443, 5530, 5333, 5311, 5592, 5434, 5257, 5456, 5593, 5561, 5637, 5488, 5621,

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5373, 5395, 5535, 5543, 5663, 5423, 5691, 5285, 5328, 5351, 5668, 5363, 5595, 5390, 5704, 5695, 5376, 5623, 5487, 5378, 5265, 5494, 5391, 5627, 5626, 5538, 5277, 5429, 5560, 5631, 5559, 5493, 5365, 5567, 5280, 5546, 5362, 5407, 5436, 5310, 5683, 5384, 5507, 5652, 5420, 5718, 5706, 5555, 5508, 5566, 5492, 5513 (8 hits) (06/07/2012 05:20:33 PM)
19	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5430, 5585, 5491, 5610, 5490, 5363, 5289, 5408, 5403, 5647, 5720, 5253, 5332, 5414, 5419, 5681, 5268, 5689, 5711, 5421, 5616, 5615, 5687, 5316, 5561, 5396, 5473, 5395, 5530, 5678, 5548, 5349, 5362, 5674, 5461, 5448, 5381, 5632, 5318, 5303, 5306, 5475, 5476, 5600, 5282, 5724, 5492, 5445, 5511, 5552, 5695, 5528, 5389, 5587, 5602, 5309, 5665, 5668, 5458, 5376, 5437, 5270, 5573, 5340, 5595, 5314, 5279, 5489, 5428, 5438, 5429, 5325, 5563, 5333, 5258, 5592, 5406, 5308, 5599, 5416, 5355, 5510, 5504, 5466, 5280, 5663, 5479, 5584, 5472, 5465, 5271, 5671, 5623, 5660, 5358, 5470, 5693, 5390, 5708, 5617 (3 hits) (06/07/2012 05:20:39 PM)
20	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5293, 5663, 5640, 5534, 5681, 5341, 5576, 5466, 5588, 5659, 5695, 5447, 5553, 5521, 5703, 5676, 5621, 5597, 5454, 5406, 5637, 5299, 5397, 5709, 5554, 5692, 5410, 5704, 5517, 5272, 5561, 5278, 5352, 5566, 5385, 5618, 5543, 5381, 5440, 5482, 5501, 5457, 5285, 5489, 5628, 5620, 5304, 5575, 5411, 5723, 5697, 5291, 5673, 5578, 5435, 5254, 5323, 5642, 5339, 5688, 5465, 5287, 5594, 5717, 5268, 5636, 5320, 5461, 5603, 5388, 5253, 5498, 5321, 5296, 5696, 5490, 5347, 5622, 5586, 5344, 5468, 5361, 5407, 5615, 5464, 5610, 5290, 5413, 5529, 5337, 5726, 5256, 5509, 5549, 5289, 5638, 5675, 5436, 5474, 5582 (5 hits) (06/07/2012

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						05:20:47 PM)
21	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5329, 5399, 5530, 5493, 5511, 5279, 5489, 5271, 5554, 5429, 5566, 5252, 5423, 5616, 5363, 5594, 5524, 5357, 5648, 5267, 5262, 5441, 5283, 5342, 5355, 5591, 5276, 5364, 5304, 5312, 5688, 5679, 5621, 5692, 5535, 5521, 5597, 5598, 5319, 5379, 5428, 5668, 5578, 5442, 5632, 5413, 5589, 5515, 5258, 5361, 5360, 5490, 5724, 5321, 5282, 5478, 5487, 5626, 5370, 5286, 5656, 5388, 5301, 5476, 5525, 5596, 5400, 5526, 5412, 5365, 5585, 5642, 5528, 5537, 5620, 5307, 5610, 5484, 5711, 5344, 5508, 5254, 5488, 5703, 5701, 5300, 5670, 5652, 5563, 5456, 5658, 5494, 5678, 5452, 5470, 5374, 5270, 5641, 5284, 5507 (9 hits) (06/07/2012 05:20:55 PM)
22	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5479, 5495, 5473, 5604, 5442, 5266, 5250, 5321, 5510, 5379, 5268, 5539, 5490, 5455, 5718, 5668, 5571, 5573, 5596, 5714, 5351, 5298, 5316, 5373, 5448, 5564, 5393, 5258, 5502, 5558, 5724, 5456, 5257, 5717, 5600, 5588, 5460, 5561, 5690, 5400, 5375, 5622, 5385, 5579, 5369, 5658, 5508, 5506, 5646, 5545, 5419, 5498, 5517, 5315, 5363, 5715, 5401, 5628, 5663, 5299, 5639, 5553, 5681, 5722, 5414, 5674, 5465, 5301, 5669, 5483, 5308, 5295, 5621, 5388, 5434, 5269, 5358, 5412, 5403, 5422, 5627, 5311, 5648, 5531, 5307, 5356, 5541, 5337, 5276, 5366, 5259, 5619, 5350, 5428, 5325, 5317, 5404, 5386, 5270, 5489 (7 hits) (06/07/2012 05:21:02 PM)
23	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5343, 5515, 5684, 5608, 5614, 5469, 5523, 5356, 5456, 5418, 5678, 5487, 5596, 5455, 5524, 5582, 5674, 5496, 5652, 5660, 5699, 5410, 5649, 5357, 5685, 5698, 5287, 5642, 5551, 5557, 5324, 5682, 5300, 5441, 5631, 5425, 5546, 5696, 5646, 5335, 5630, 5724, 5288, 5301, 5558, 5713, 5530, 5447,

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5460, 5388, 5624, 5528, 5714, 5279, 5307, 5470, 5702, 5362, 5550, 5554, 5641, 5494, 5691, 5257, 5336, 5560, 5397, 5542, 5722, 5707, 5588, 5438, 5595, 5597, 5669, 5498, 5569, 5480, 5591, 5602, 5709, 5680, 5373, 5375, 5416, 5471, 5583, 5507, 5398, 5568, 5556, 5361, 5292, 5555, 5318, 5635, 5705, 5535, 5260, 5377 (7 hits) (06/07/2012 05:21:08 PM)
24	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5285, 5725, 5349, 5531, 5592, 5580, 5550, 5387, 5399, 5329, 5646, 5347, 5293, 5433, 5436, 5443, 5406, 5302, 5588, 5375, 5502, 5264, 5655, 5413, 5726, 5438, 5700, 5353, 5683, 5358, 5593, 5499, 5544, 5341, 5678, 5384, 5503, 5252, 5506, 5257, 5663, 5372, 5424, 5326, 5601, 5355, 5722, 5682, 5461, 5466, 5376, 5471, 5510, 5454, 5494, 5339, 5637, 5457, 5671, 5552, 5694, 5556, 5408, 5382, 5260, 5547, 5586, 5564, 5584, 5498, 5576, 5557, 5397, 5458, 5446, 5254, 5273, 5542, 5656, 5536, 5289, 5627, 5492, 5567, 5440, 5676, 5624, 5452, 5484, 5418, 5549, 5530, 5280, 5279, 5610, 5574, 5294, 5596, 5660, 5723 (7 hits) (06/07/2012 05:21:14 PM)
25	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5600, 5461, 5560, 5662, 5460, 5456, 5466, 5626, 5332, 5390, 5667, 5288, 5274, 5265, 5275, 5445, 5310, 5571, 5488, 5366, 5497, 5395, 5612, 5316, 5623, 5459, 5715, 5683, 5556, 5533, 5625, 5393, 5386, 5319, 5292, 5298, 5656, 5518, 5503, 5345, 5494, 5723, 5293, 5493, 5301, 5677, 5700, 5536, 5709, 5252, 5480, 5351, 5692, 5469, 5698, 5336, 5263, 5368, 5686, 5606, 5574, 5371, 5470, 5711, 5361, 5685, 5627, 5532, 5367, 5377, 5616, 5595, 5691, 5458, 5564, 5482, 5554, 5586, 5300, 5534, 5289, 5427, 5491, 5452, 5702, 5557, 5647, 5453, 5442, 5352, 5674, 5279, 5431, 5412, 5584, 5558, 5344, 5641, 5400, 5403 (4 hits) (06/07/2012

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						05:21:22 PM)
26	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5603, 5263, 5482, 5674, 5472, 5455, 5438, 5507, 5419, 5388, 5272, 5399, 5539, 5719, 5356, 5564, 5546, 5268, 5382, 5345, 5261, 5383, 5413, 5259, 5717, 5338, 5617, 5296, 5313, 5708, 5627, 5508, 5316, 5305, 5583, 5638, 5664, 5515, 5404, 5321, 5480, 5575, 5302, 5284, 5291, 5529, 5459, 5519, 5626, 5464, 5724, 5250, 5423, 5306, 5474, 5370, 5387, 5707, 5300, 5513, 5285, 5301, 5657, 5625, 5483, 5499, 5326, 5292, 5421, 5469, 5384, 5543, 5434, 5379, 5576, 5713, 5690, 5389, 5644, 5412, 5290, 5528, 5632, 5613, 5655, 5700, 5584, 5453, 5359, 5457, 5598, 5716, 5723, 5475, 5612, 5604, 5503, 5675, 5330, 5260 (7 hits) (06/07/2012 05:21:28 PM)
27	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5311, 5358, 5407, 5489, 5708, 5455, 5394, 5530, 5370, 5674, 5631, 5585, 5332, 5681, 5513, 5548, 5531, 5350, 5695, 5405, 5457, 5346, 5286, 5271, 5447, 5679, 5713, 5520, 5472, 5544, 5351, 5485, 5380, 5539, 5321, 5555, 5582, 5615, 5518, 5437, 5297, 5657, 5261, 5372, 5688, 5425, 5326, 5581, 5628, 5444, 5264, 5594, 5389, 5502, 5415, 5341, 5711, 5592, 5424, 5414, 5698, 5469, 5662, 5324, 5684, 5432, 5655, 5543, 5660, 5468, 5421, 5427, 5703, 5506, 5312, 5327, 5340, 5316, 5487, 5285, 5653, 5306, 5401, 5680, 5428, 5337, 5279, 5712, 5534, 5460, 5338, 5536, 5705, 5671, 5367, 5342, 5709, 5388, 5579, 5572 (5 hits) (06/07/2012 05:21:35 PM)
28	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5660, 5278, 5318, 5360, 5301, 5519, 5716, 5615, 5499, 5335, 5659, 5375, 5358, 5578, 5384, 5406, 5635, 5253, 5628, 5652, 5511, 5414, 5662, 5582, 5512, 5599, 5315, 5646, 5415, 5608, 5456, 5447, 5530, 5263, 5449, 5421, 5371, 5477, 5383, 5622, 5694, 5560, 5697, 5258, 5427, 5496, 5518, 5664,

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5687, 5540, 5451, 5438, 5329, 5388, 5670, 5692, 5541, 5454, 5514, 5398, 5256, 5340, 5717, 5497, 5255, 5251, 5336, 5424, 5298, 5699, 5495, 5596, 5420, 5709, 5310, 5704, 5469, 5712, 5419, 5474, 5570, 5505, 5612, 5437, 5556, 5482, 5549, 5479, 5650, 5627, 5376, 5539, 5695, 5677, 5516, 5363, 5552, 5448, 5346, 5489 (11 hits) (06/07/2012 05:21:42 PM)
29	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5322, 5400, 5464, 5599, 5710, 5330, 5587, 5474, 5651, 5682, 5329, 5436, 5596, 5413, 5486, 5429, 5316, 5701, 5388, 5688, 5712, 5695, 5537, 5395, 5648, 5511, 5434, 5570, 5394, 5465, 5405, 5342, 5683, 5671, 5705, 5384, 5707, 5424, 5442, 5387, 5666, 5583, 5582, 5629, 5521, 5469, 5706, 5595, 5633, 5476, 5402, 5566, 5283, 5576, 5481, 5662, 5535, 5685, 5680, 5551, 5714, 5544, 5446, 5501, 5509, 5518, 5349, 5697, 5684, 5407, 5262, 5437, 5547, 5264, 5642, 5401, 5498, 5687, 5579, 5568, 5452, 5277, 5390, 5621, 5600, 5614, 5556, 5333, 5480, 5721, 5552, 5696, 5274, 5290, 5458, 5254, 5617, 5319, 5470, 5525 (7 hits) (06/07/2012 05:21:48 PM)
30	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5619, 5694, 5313, 5672, 5506, 5261, 5722, 5335, 5429, 5599, 5695, 5690, 5374, 5512, 5254, 5463, 5667, 5725, 5440, 5541, 5265, 5609, 5646, 5256, 5706, 5390, 5548, 5520, 5260, 5385, 5252, 5263, 5452, 5679, 5657, 5635, 5538, 5360, 5495, 5630, 5634, 5286, 5665, 5574, 5592, 5552, 5421, 5423, 5395, 5500, 5310, 5510, 5499, 5526, 5449, 5484, 5419, 5257, 5494, 5259, 5577, 5651, 5508, 5491, 5486, 5588, 5717, 5565, 5608, 5309, 5325, 5663, 5531, 5367, 5631, 5726, 5529, 5306, 5597, 5266, 5686, 5346, 5353, 5315, 5417, 5614, 5357, 5442, 5555, 5456, 5343, 5652, 5342, 5475, 5299, 5479, 5628, 5677, 5420, 5503 (11 hits) (06/07/2012

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						05:21:56 PM)
31	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5660, 5281, 5280, 5311, 5340, 5505, 5692, 5570, 5710, 5559, 5478, 5367, 5252, 5470, 5492, 5486, 5577, 5415, 5267, 5509, 5335, 5491, 5658, 5386, 5576, 5504, 5634, 5333, 5701, 5349, 5655, 5479, 5404, 5713, 5462, 5482, 5376, 5573, 5330, 5558, 5446, 5562, 5724, 5582, 5319, 5413, 5483, 5458, 5722, 5553, 5370, 5628, 5308, 5467, 5718, 5466, 5637, 5715, 5489, 5668, 5694, 5565, 5380, 5441, 5640, 5422, 5475, 5416, 5274, 5646, 5648, 5291, 5604, 5595, 5605, 5263, 5705, 5632, 5452, 5265, 5594, 5602, 5519, 5709, 5610, 5540, 5341, 5287, 5407, 5679, 5342, 5664, 5292, 5392, 5531, 5374, 5592, 5344, 5484, 5435 (4 hits) (06/07/2012 05:22:02 PM)
32	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5551, 5487, 5506, 5578, 5706, 5484, 5338, 5309, 5326, 5412, 5711, 5481, 5305, 5691, 5314, 5486, 5580, 5359, 5283, 5677, 5526, 5494, 5483, 5513, 5435, 5279, 5582, 5523, 5570, 5406, 5495, 5302, 5662, 5562, 5410, 5300, 5665, 5405, 5508, 5336, 5698, 5619, 5503, 5448, 5253, 5548, 5425, 5293, 5710, 5592, 5584, 5535, 5700, 5443, 5426, 5540, 5455, 5340, 5449, 5609, 5628, 5559, 5687, 5281, 5684, 5583, 5641, 5702, 5545, 5386, 5533, 5360, 5276, 5355, 5530, 5341, 5259, 5568, 5313, 5679, 5392, 5685, 5606, 5509, 5368, 5694, 5384, 5365, 5343, 5399, 5419, 5672, 5347, 5441, 5452, 5622, 5613, 5604, 5400, 5605 (9 hits) (06/07/2012 05:22:13 PM)
33	9	1.0	333.0	Yes	5525.0MHz, -64.0dBm	Hop sequence: 5284, 5662, 5668, 5400, 5378, 5439, 5694, 5655, 5320, 5383, 5661, 5715, 5695, 5450, 5699, 5685, 5559, 5254, 5503, 5261, 5635, 5447, 5336, 5568, 5706, 5599, 5416, 5507, 5578, 5567, 5303, 5471, 5373, 5287, 5449, 5293, 5501, 5683, 5519, 5642, 5463, 5584, 5555, 5524, 5611, 5290, 5598, 5306,

Table 42 - FCC frequency hopping radar (Type 6) Results 802.11abgn n40						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5597, 5496, 5485, 5274, 5453, 5710, 5305, 5717, 5714, 5700, 5410, 5368, 5673, 5619, 5444, 5680, 5563, 5678, 5291, 5719, 5539, 5527, 5573, 5474, 5646, 5407, 5520, 5405, 5722, 5540, 5250, 5641, 5279, 5252, 5504, 5321, 5414, 5460, 5480, 5323, 5549, 5610, 5455, 5281, 5464, 5350, 5332, 5590, 5264, 5367, 5374, 5484 (8 hits) (06/07/2012 05:22:20 PM)

May 31, 2012
20MHz Bandwidth FCC trial data

Table 43 - 802.11abgn Detection Bandwidth Measurements (Bandwidth: +8MHz /-8MHz) n20					
EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5491.00 MHz	0	3	0
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5492.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5493.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5494.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5495.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5496.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5497.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5498.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5499.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5500.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5501.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5502.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5503.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5504.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5505.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5506.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5507.00 MHz	10	0	100

EUT Frequency	Radar Type	Radar Frequency	# Detected	# Not Detected	Success (%)
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5508.00 MHz	10	0	100
5500.00 MHz	FCC Short Pulse Radar (Type 1)	5509.00 MHz	0	3	0

Waveform Name	Pd (%)	Pd Required (%)	Number of Trials	Status
FCC Short Pulse Radar (Type 1)	100.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 2)	96.7 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 3)	90.0 %	60.0 %	30	PASSED
FCC Short Pulse Radar (Type 4)	93.3 %	60.0 %	30	PASSED
Aggregate of above results	95.0 %	80.0 %	120	PASSED
Long Sequence	80.0 %	80.0 %	40	PASSED
FCC frequency hopping radar (Type 6)	100.0 %	70.0 %	34	PASSED

Trial #	Pulses/Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:17:53 PM)
2	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:18:08 PM)
3	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:18:19 PM)
4	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:18:27 PM)
5	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:18:33 PM)
6	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:18:40 PM)
7	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:18:48 PM)
8	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:18:56 PM)
9	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:19:06 PM)
10	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:19:25 PM)
11	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:19:34 PM)
12	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:19:49 PM)
13	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:20:03 PM)
14	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:20:13 PM)

Table 45 - FCC Short Pulse Radar (Type 1) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
15	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:20:20 PM)
16	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:20:30 PM)
17	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:20:50 PM)
18	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:20:58 PM)
19	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:21:06 PM)
20	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:21:24 PM)
21	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:21:33 PM)
22	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:21:41 PM)
23	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:21:53 PM)
24	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:22:07 PM)
25	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:22:14 PM)
26	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:22:22 PM)
27	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:22:32 PM)
28	18	1.0	1428.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:22:41 PM)
29	18	1.0	1428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:22:51 PM)
30	18	1.0	1428.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:23:01 PM)

Table 46 - FCC Short Pulse Radar (Type 2) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	28	4.4	157.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:24:10 PM)
2	29	4.8	187.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:24:18 PM)
3	26	1.5	221.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:24:26 PM)
4	29	2.0	206.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:24:34 PM)
5	26	3.2	222.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:24:41 PM)
6	24	4.6	228.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:24:48 PM)
7	28	2.1	172.0	No	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:24:56 PM)

Table 46 - FCC Short Pulse Radar (Type 2) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	24	2.2	220.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:25:05 PM)
9	24	1.8	182.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:25:12 PM)
10	28	4.3	195.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:25:20 PM)
11	26	4.7	169.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:25:27 PM)
12	27	3.2	216.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:25:36 PM)
13	26	3.1	202.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:25:43 PM)
14	27	4.3	217.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:25:51 PM)
15	25	1.0	162.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:25:59 PM)
16	25	2.6	215.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:26:07 PM)
17	25	1.4	214.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:26:25 PM)
18	26	1.2	160.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:26:49 PM)
19	24	4.0	179.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:26:57 PM)
20	28	1.5	222.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:27:05 PM)
21	24	1.4	160.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:27:15 PM)
22	28	4.3	192.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:27:24 PM)
23	26	3.7	209.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:27:32 PM)
24	27	1.5	225.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:27:41 PM)
25	26	1.0	208.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:27:49 PM)
26	24	2.2	217.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:27:57 PM)
27	28	4.8	185.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:28:09 PM)
28	23	2.1	185.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:28:23 PM)
29	26	3.4	202.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:28:31 PM)
30	25	4.2	176.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:28:39 PM)

Table 47 - FCC Short Pulse Radar (Type 3) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information

Table 47 - FCC Short Pulse Radar (Type 3) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	16	9.1	404.0	No	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:29:11 PM)
2	17	8.6	385.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:29:23 PM)
3	16	6.6	305.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:29:31 PM)
4	18	7.4	385.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:29:41 PM)
5	18	7.4	306.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:29:51 PM)
6	18	8.3	419.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:29:59 PM)
7	17	6.7	298.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:30:07 PM)
8	18	7.1	344.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:30:16 PM)
9	17	9.2	265.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:30:24 PM)
10	16	8.0	207.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:30:31 PM)
11	16	6.9	496.0	No	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:30:38 PM)
12	16	8.5	448.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:30:48 PM)
13	18	6.8	262.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:30:56 PM)
14	17	7.7	383.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:31:06 PM)
15	17	7.6	219.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:31:17 PM)
16	17	9.9	313.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:31:27 PM)
17	18	8.0	270.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:31:37 PM)
18	17	8.8	451.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:31:46 PM)
19	17	6.1	259.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:31:53 PM)
20	17	6.7	412.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:32:01 PM)
21	17	8.3	361.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:32:09 PM)
22	17	8.3	320.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:32:17 PM)
23	16	10.0	294.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:32:24 PM)
24	16	7.7	233.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:32:32 PM)
25	17	6.1	244.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:32:40 PM)
26	17	9.0	304.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:32:48 PM)
27	16	8.2	475.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:32:58 PM)

Table 47 - FCC Short Pulse Radar (Type 3) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	17	9.2	324.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:33:09 PM)
29	16	9.7	359.0	No	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:33:21 PM)
30	18	9.4	265.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:33:30 PM)

Table 48 - FCC Short Pulse Radar (Type 4) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	14	12.9	315.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:35:21 PM)
2	14	14.1	234.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:35:31 PM)
3	14	16.0	491.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:35:39 PM)
4	14	11.7	478.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:35:54 PM)
5	12	16.8	264.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:36:07 PM)
6	16	14.4	209.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:36:15 PM)
7	13	19.7	354.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:36:28 PM)
8	16	14.7	462.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:36:37 PM)
9	15	12.3	307.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:36:44 PM)
10	16	15.8	229.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:36:51 PM)
11	14	13.3	369.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:37:03 PM)
12	13	11.7	346.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:37:11 PM)
13	15	12.4	333.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:37:23 PM)
14	14	18.8	428.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:37:30 PM)
15	14	11.2	234.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:37:39 PM)
16	14	12.2	455.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:37:49 PM)
17	13	16.8	345.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:37:57 PM)
18	14	19.6	335.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:38:04 PM)
19	16	14.9	322.0	No	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:38:11 PM)
20	12	19.2	202.0	No	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:38:24 PM)
21	15	19.4	468.0	Yes	5505.0MHz,	Single burst (05/31/2012 03:38:37 PM)

Table 48 - FCC Short Pulse Radar (Type 4) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
					-64.0dBm	PM)
22	15	14.4	322.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:38:45 PM)
23	16	13.0	334.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:38:53 PM)
24	13	11.9	328.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:39:00 PM)
25	14	11.3	263.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:39:07 PM)
26	16	14.1	340.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:39:14 PM)
27	13	20.0	367.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:39:21 PM)
28	14	17.6	384.0	Yes	5500.0MHz, -64.0dBm	Single burst (05/31/2012 03:39:28 PM)
29	16	12.1	297.0	Yes	5495.0MHz, -64.0dBm	Single burst (05/31/2012 03:39:35 PM)
30	14	15.9	353.0	Yes	5505.0MHz, -64.0dBm	Single burst (05/31/2012 03:39:44 PM)

Table 49 - Long Sequence Waveform Summary 802.11abgn, n20		
Long Sequence Trial	Result	Radar Frequency / Amplitude
Trial #1	Detected	5500.0MHz, -64.0dBm
Trial #2	NOT Detected	5495.0MHz, -64.0dBm
Trial #3	NOT Detected	5505.0MHz, -64.0dBm
Trial #4	Detected	5500.0MHz, -64.0dBm
Trial #5	Detected	5495.0MHz, -64.0dBm
Trial #6	Detected	5505.0MHz, -64.0dBm
Trial #7	NOT Detected	5500.0MHz, -64.0dBm
Trial #8	Detected	5495.0MHz, -64.0dBm
Trial #9	Detected	5505.0MHz, -64.0dBm
Trial #10	Detected	5500.0MHz, -64.0dBm
Trial #11	Detected	5495.0MHz, -64.0dBm
Trial #12	Detected	5505.0MHz, -64.0dBm
Trial #13	Detected	5500.0MHz, -64.0dBm
Trial #14	NOT Detected	5495.0MHz, -64.0dBm
Trial #15	Detected	5505.0MHz,

Table 49 - Long Sequence Waveform Summary 802.11abgn, n20		
Long Sequence Trial	Result	Radar Frequency / Amplitude
		-64.0dBm
Trial #16	Detected	5500.0MHz, -64.0dBm
Trial #17	NOT Detected	5495.0MHz, -64.0dBm
Trial #18	Detected	5505.0MHz, -64.0dBm
Trial #19	Detected	5500.0MHz, -64.0dBm
Trial #20	NOT Detected	5495.0MHz, -64.0dBm
Trial #21	Detected	5505.0MHz, -64.0dBm
Trial #22	Detected	5500.0MHz, -64.0dBm
Trial #23	Detected	5495.0MHz, -64.0dBm
Trial #24	NOT Detected	5505.0MHz, -64.0dBm
Trial #25	Detected	5500.0MHz, -64.0dBm
Trial #26	Detected	5495.0MHz, -64.0dBm
Trial #27	Detected	5505.0MHz, -64.0dBm
Trial #28	Detected	5500.0MHz, -64.0dBm
Trial #29	Detected	5495.0MHz, -64.0dBm
Trial #30	Detected	5505.0MHz, -64.0dBm
Trial #31	Detected	5500.0MHz, -64.0dBm
Trial #32	Detected	5495.0MHz, -64.0dBm
Trial #33	Detected	5505.0MHz, -64.0dBm
Trial #34	NOT Detected	5500.0MHz, -64.0dBm
Trial #35	Detected	5495.0MHz, -64.0dBm
Trial #36	Detected	5505.0MHz, -64.0dBm
Trial #37	Detected	5500.0MHz, -64.0dBm
Trial #38	Detected	5495.0MHz, -64.0dBm
Trial #39	Detected	5505.0MHz, -64.0dBm
Trial #40	Detected	5500.0MHz, -64.0dBm

Table 50 - 802.11abgn Long Sequence Waveform Trial#1 (Detected) , n20

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.4	14	1291.0	-	0.209382
2	1	52.0	11	-	-	2.236564
3	2	59.3	12	1651.0	-	2.400094
4	1	98.4	11	-	-	4.645043
5	2	79.2	8	1940.0	-	5.821304
6	1	85.4	16	-	-	7.146398
7	2	84.7	5	1218.0	-	8.005349
8	2	73.1	20	1592.0	-	9.299712
9	3	64.8	13	1096.0	1584.0	10.092390
10	1	50.7	16	-	-	10.848515

Table 51 - 802.11abgn Long Sequence Waveform Trial#2 (NOT Detected) , n20

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	54.7	10	1706.0	-	0.617021
2	1	96.1	18	-	-	1.377422
3	2	59.4	6	1384.0	-	2.383471
4	3	72.7	15	1223.0	1310.0	3.351337
5	1	71.8	19	-	-	4.613348
6	2	93.2	6	1799.0	-	5.274524
7	1	75.5	13	-	-	5.902797
8	2	69.4	12	1792.0	-	6.721502
9	1	90.4	15	-	-	7.802869
10	2	81.0	7	1693.0	-	8.481554
11	1	74.8	7	-	-	10.101570
12	1	89.5	10	-	-	10.995005
13	2	79.2	13	1011.0	-	11.150842

Table 52 - 802.11abgn Long Sequence Waveform Trial#3 (NOT Detected) , n20

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	94.1	7	1902.0	1282.0	0.413587
2	2	75.3	20	1323.0	-	0.874051
3	3	67.6	16	1920.0	1510.0	1.725863
4	1	59.1	7	-	-	2.062422
5	2	62.6	13	1910.0	-	2.576354
6	1	95.9	11	-	-	3.503145
7	2	57.9	10	1551.0	-	4.158498
8	2	65.7	12	1173.0	-	4.645653
9	2	60.3	16	1842.0	-	4.989025
10	1	72.5	6	-	-	5.683301
11	2	56.3	7	1055.0	-	6.521355
12	2	78.9	9	1923.0	-	6.934303
13	1	95.9	5	-	-	7.489060
14	2	56.0	11	1763.0	-	8.259063
15	2	58.8	8	1832.0	-	8.642482
16	3	57.8	7	1178.0	1008.0	9.182082
17	2	66.6	17	1249.0	-	9.691633
18	1	63.6	13	-	-	10.345462
19	1	55.4	20	-	-	11.056308
20	2	50.4	7	1674.0	-	11.961948

Table 53 - 802.11abgn Long Sequence Waveform Trial#4 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	98.7	14	1021.0	-	0.262980
2	2	55.5	14	1126.0	-	1.348167
3	1	92.5	10	-	-	1.788909
4	3	80.0	17	1261.0	1228.0	2.766102
5	3	55.5	8	1017.0	1395.0	2.936516
6	1	83.9	15	-	-	3.976865
7	1	80.8	14	-	-	4.473522
8	1	69.5	17	-	-	5.508151
9	2	52.7	7	1235.0	-	5.783550
10	1	93.6	5	-	-	6.982649
11	1	62.4	9	-	-	7.549984
12	1	81.1	12	-	-	8.357621
13	1	89.0	11	-	-	8.765017
14	1	96.3	13	-	-	9.529195
15	2	90.1	5	1905.0	-	10.082040
16	1	95.5	15	-	-	11.275377
17	2	68.7	12	1075.0	-	11.350991

Table 54 - 802.11abgn Long Sequence Waveform Trial#5 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	64.1	9	-	-	0.440905
2	2	81.4	11	1410.0	-	1.508191
3	1	68.3	7	-	-	3.699749
4	2	50.8	14	1939.0	-	4.771374
5	2	67.1	19	1488.0	-	6.581313
6	2	50.4	11	1212.0	-	6.904366
7	2	86.8	20	1266.0	-	8.244591
8	2	69.1	11	1918.0	-	10.352990
9	2	74.4	6	1991.0	-	10.722169

Table 55 - 802.11abgn Long Sequence Waveform Trial#6 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	76.6	15	1930.0	1231.0	0.741692
2	2	86.8	14	1027.0	-	1.789185
3	1	81.9	12	-	-	4.275755
4	2	72.4	17	1359.0	-	5.811706
5	1	77.0	5	-	-	6.412783
6	2	74.4	14	1298.0	-	7.535974
7	1	67.8	14	-	-	10.214570
8	2	59.6	13	1712.0	-	11.181168

Table 56 - 802.11abgn Long Sequence Waveform Trial#7 (NOT Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	87.9	11	1733.0	-	0.894926
2	2	92.5	17	1016.0	-	1.922258
3	3	99.0	14	1963.0	1757.0	2.901047

Table 56 - 802.11abgn Long Sequence Waveform Trial#7 (NOT Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
4	2	82.1	8	1939.0	-	4.858754
5	1	50.1	17	-	-	5.504156
6	2	81.6	10	1724.0	-	7.542699
7	2	75.2	12	1925.0	-	9.042806
8	2	89.4	14	1384.0	-	9.572504
9	2	58.2	6	1855.0	-	11.054095

Table 57 - 802.11abgn Long Sequence Waveform Trial#8 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	64.3	20	1524.0	-	0.386220
2	2	55.1	9	1394.0	-	0.774711
3	3	67.4	8	1831.0	1155.0	2.164767
4	3	68.0	16	1068.0	1376.0	2.604052
5	1	62.4	8	-	-	3.148943
6	3	65.7	10	1984.0	1312.0	3.942376
7	1	66.3	18	-	-	4.893402
8	3	82.0	8	1213.0	1641.0	5.886979
9	1	82.7	6	-	-	6.535359
10	2	73.3	6	1387.0	-	6.871291
11	3	51.1	11	1377.0	1921.0	7.815232
12	2	50.2	17	1109.0	-	8.797483
13	2	67.4	11	1694.0	-	9.215178
14	3	64.0	10	1816.0	1765.0	10.095463
15	2	57.3	9	1230.0	-	10.861211
16	2	60.0	10	1330.0	-	11.845951

Table 58 - 802.11abgn Long Sequence Waveform Trial#9 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	55.8	10	1502.0	-	0.318221
2	3	55.4	9	1049.0	1759.0	1.430197
3	2	58.4	19	1491.0	-	2.973078
4	2	52.7	7	1570.0	-	3.321600
5	2	56.7	19	1791.0	-	4.331080
6	1	61.9	17	-	-	5.769583
7	1	53.2	6	-	-	6.975422
8	3	59.7	12	1774.0	1854.0	7.286886
9	1	92.3	18	-	-	8.489284
10	2	77.8	6	1341.0	-	9.698038
11	3	96.9	5	1790.0	1451.0	10.004137
12	3	82.6	8	1010.0	1676.0	11.016208

Table 59 - 802.11abgn Long Sequence Waveform Trial#10 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	50.4	14	-	-	0.462578
2	1	63.4	13	-	-	1.071683
3	3	89.4	17	1550.0	1296.0	1.930486

Table 59 - 802.11abgn Long Sequence Waveform Trial#10 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
4	1	97.0	8	-	-	2.820815
5	3	72.5	17	1914.0	1682.0	3.364665
6	1	66.5	8	-	-	4.279179
7	2	72.0	14	1922.0	-	4.936499
8	2	71.1	11	1054.0	-	6.281004
9	2	65.1	11	1159.0	-	6.853775
10	1	79.1	17	-	-	7.664703
11	2	55.2	11	1991.0	-	8.556677
12	2	57.9	12	1700.0	-	9.251416
13	3	72.3	17	1224.0	1150.0	10.344418
14	1	92.2	15	-	-	11.033584
15	1	90.8	7	-	-	11.958946

Table 60 - 802.11abgn Long Sequence Waveform Trial#11 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	51.8	13	1622.0	-	0.592579
2	2	86.0	7	1632.0	-	1.215295
3	3	54.4	14	1818.0	1472.0	1.543927
4	2	63.8	10	1203.0	-	2.252674
5	3	71.4	14	1958.0	1629.0	2.879556
6	2	66.6	15	1262.0	-	3.991641
7	3	70.8	12	1714.0	1549.0	4.740834
8	2	57.9	6	1691.0	-	4.980207
9	3	87.0	19	1929.0	1338.0	5.863585
10	2	53.6	13	1667.0	-	6.859144
11	2	85.4	18	1731.0	-	7.465776
12	3	73.6	16	1091.0	1500.0	7.880143
13	2	68.2	7	1590.0	-	8.550815
14	2	70.8	9	1729.0	-	9.490713
15	3	67.9	8	1862.0	1995.0	10.559677
16	3	50.2	11	1661.0	1195.0	11.262705
17	3	53.2	17	1991.0	1532.0	11.801303

Table 61 - 802.11abgn Long Sequence Waveform Trial#12 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	76.7	7	1231.0	-	1.325361
2	1	51.3	15	-	-	1.530310
3	1	61.8	12	-	-	3.110736
4	2	50.2	14	1223.0	-	4.559254
5	3	98.8	11	1721.0	1999.0	7.267833
6	3	60.0	19	1825.0	1349.0	8.320932
7	2	65.8	10	1594.0	-	9.795424
8	3	66.4	10	1362.0	1358.0	11.591757

Table 62 - 802.11abgn Long Sequence Waveform Trial#13 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)

Table 62 - 802.11abgn Long Sequence Waveform Trial#13 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	69.5	7	-	-	0.315009
2	3	67.0	18	1512.0	1471.0	1.311686
3	1	89.7	8	-	-	2.820505
4	3	73.3	16	1028.0	1072.0	4.493692
5	1	95.9	18	-	-	5.462028
6	1	82.7	14	-	-	6.332296
7	1	86.9	9	-	-	7.843778
8	3	86.1	17	1075.0	2000.0	9.521817
9	2	64.4	8	1024.0	-	9.665406
10	3	99.1	7	1213.0	1899.0	10.937380

Table 63 - 802.11abgn Long Sequence Waveform Trial#14 (NOT Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	62.3	13	1639.0	-	1.195374
2	3	67.3	8	1982.0	1236.0	1.711594
3	1	51.0	9	-	-	3.408077
4	3	83.4	7	1601.0	1760.0	3.893665
5	2	72.5	10	1222.0	-	5.703355
6	3	74.3	15	1555.0	1041.0	6.138670
7	1	61.9	6	-	-	8.039786
8	1	70.4	9	-	-	8.929922
9	3	52.3	8	2000.0	1614.0	9.834834
10	1	70.1	15	-	-	10.824932

Table 64 - 802.11abgn Long Sequence Waveform Trial#15 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	76.5	14	1709.0	-	0.660699
2	3	82.5	6	1758.0	1036.0	1.208059
3	1	65.2	18	-	-	2.008793
4	2	52.2	6	1979.0	-	2.802702
5	2	79.7	11	1451.0	-	3.237639
6	2	71.8	13	1672.0	-	3.836550
7	1	60.6	6	-	-	4.684483
8	2	70.8	13	1912.0	-	5.086414
9	3	63.1	10	1109.0	1701.0	5.910622
10	1	77.7	7	-	-	6.776327
11	3	83.8	11	1556.0	1722.0	7.699239
12	1	61.7	15	-	-	8.230218
13	2	82.5	18	1855.0	-	9.114745
14	2	58.4	7	1039.0	-	9.225200
15	1	57.5	13	-	-	10.071430
16	3	57.1	19	1395.0	1734.0	11.265428
17	1	75.8	17	-	-	11.576406

Table 65 - 802.11abgn Long Sequence Waveform Trial#16 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	70.3	9	1782.0	-	0.592810
2	3	54.9	13	1251.0	1148.0	1.424346
3	2	71.6	20	1266.0	-	2.334545
4	3	61.3	13	1608.0	1580.0	2.878625
5	3	62.1	15	1217.0	1441.0	3.763672
6	3	80.8	7	1853.0	1750.0	4.651221
7	2	79.8	14	1305.0	-	5.432339
8	2	68.8	12	1991.0	-	5.778042
9	1	68.5	20	-	-	6.958194
10	1	79.4	20	-	-	7.896040
11	1	95.6	12	-	-	8.176591
12	2	64.2	9	1342.0	-	9.491780
13	1	86.7	16	-	-	10.229407
14	2	78.9	6	1086.0	-	10.424965
15	2	98.7	13	1357.0	-	11.204467

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	52.0	17	1156.0	-	0.301400
2	2	92.9	15	1574.0	-	1.141105
3	3	70.2	18	1007.0	1833.0	1.592450
4	1	63.1	17	-	-	1.915237
5	2	69.7	13	1234.0	-	2.581327
6	2	73.1	12	1022.0	-	3.216691
7	2	55.1	9	1339.0	-	3.614076
8	2	64.0	8	1981.0	-	4.228064
9	1	72.6	7	-	-	5.045844
10	2	83.0	13	1045.0	-	5.605920
11	2	80.1	9	1867.0	-	6.179307
12	2	61.3	17	1952.0	-	6.785717
13	1	64.3	17	-	-	7.555888
14	2	74.0	18	1415.0	-	8.316206
15	2	92.2	18	1575.0	-	8.848413
16	2	83.8	17	1449.0	-	9.341844
17	2	75.0	19	1311.0	-	9.811877
18	2	66.5	9	1388.0	-	10.513142
19	2	72.3	8	1059.0	-	10.822635
20	2	64.7	6	1256.0	-	11.621344

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	72.0	6	-	-	0.490788
2	2	70.8	16	1003.0	-	1.304053
3	1	73.4	19	-	-	2.467183
4	1	51.5	15	-	-	3.390707
5	2	58.8	15	1220.0	-	3.763446
6	2	53.6	8	1384.0	-	5.031556
7	2	59.0	16	1784.0	-	5.983695

Table 67 - 802.11abgn Long Sequence Waveform Trial#18 (Detected) , n20

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
8	3	89.6	12	1928.0	1335.0	6.837373
9	2	70.3	10	1668.0	-	7.294216
10	2	59.4	6	1398.0	-	7.790434
11	2	61.0	19	1683.0	-	8.745810
12	1	87.5	18	-	-	9.595261
13	2	73.8	15	1813.0	-	10.640726
14	2	75.5	14	1540.0	-	11.152712

Table 68 - 802.11abgn Long Sequence Waveform Trial#19 (Detected) , n20

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	77.0	10	1318.0	-	0.306454
2	3	80.2	12	1105.0	1469.0	2.473049
3	3	58.6	8	1120.0	1291.0	3.939921
4	2	63.2	18	1468.0	-	4.465316
5	2	67.3	18	1897.0	-	5.782272
6	3	76.2	11	1516.0	1757.0	6.872474
7	2	72.3	19	1671.0	-	8.198456
8	3	71.8	11	1607.0	1922.0	9.652919
9	2	94.2	17	1433.0	-	11.106493

Table 69 - 802.11abgn Long Sequence Waveform Trial#20 (NOT Detected) , n20

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	76.3	17	1271.0	-	0.286887
2	1	70.1	9	-	-	1.348776
3	2	60.7	12	1565.0	-	2.135514
4	2	50.2	16	1989.0	-	3.484592
5	3	66.7	5	1126.0	1580.0	4.623449
6	2	78.1	11	1452.0	-	5.209186
7	2	69.5	17	1833.0	-	6.237888
8	3	57.5	13	1103.0	1507.0	7.244099
9	3	91.9	7	1338.0	1559.0	8.226056
10	1	88.8	17	-	-	9.611868
11	3	64.2	17	1212.0	1548.0	10.049968
12	3	66.1	6	1142.0	1995.0	11.590105

Table 70 - 802.11abgn Long Sequence Waveform Trial#21 (Detected) , n20

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	60.3	9	-	-	1.118946
2	1	54.6	10	-	-	1.846033
3	2	76.0	6	1284.0	-	3.734188
4	3	61.2	8	1087.0	1497.0	4.697383
5	2	71.6	18	1060.0	-	5.551730
6	3	93.3	16	1864.0	1538.0	7.402664
7	1	52.1	17	-	-	8.457632
8	2	89.0	18	1767.0	-	10.336507
9	3	62.4	13	1549.0	1037.0	11.160687

Table 71 - 802.11abgn Long Sequence Waveform Trial#22 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	92.0	12	1339.0	-	1.283338
2	1	73.8	9	-	-	2.185233
3	3	96.4	9	1934.0	1440.0	4.490390
4	2	88.6	12	1490.0	-	5.585528
5	2	95.0	9	1317.0	-	6.602306
6	2	90.5	15	1966.0	-	7.948924
7	2	54.8	20	1085.0	-	9.995917
8	2	91.2	9	1716.0	-	10.528975

Table 72 - 802.11abgn Long Sequence Waveform Trial#23 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	89.9	19	-	-	0.319294
2	1	65.1	17	-	-	0.855233
3	1	96.7	5	-	-	1.677428
4	1	87.8	18	-	-	3.078238
5	3	82.6	15	1009.0	1282.0	3.244038
6	1	93.6	12	-	-	4.260208
7	2	59.4	14	1285.0	-	4.956435
8	2	94.2	14	1759.0	-	6.386104
9	2	84.5	9	1254.0	-	6.627011
10	1	60.9	9	-	-	7.361703
11	3	76.8	15	1350.0	1458.0	8.645508
12	2	68.2	9	1973.0	-	9.005980
13	2	88.3	8	1904.0	-	9.828705
14	3	54.9	8	1464.0	1099.0	10.662760
15	2	52.0	8	1718.0	-	11.747748

Table 73 - 802.11abgn Long Sequence Waveform Trial#24 (NOT Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	59.0	12	-	-	1.032117
2	3	91.6	19	1716.0	1499.0	1.214102
3	2	70.6	12	1951.0	-	3.014844
4	2	96.6	13	1940.0	-	3.689198
5	2	61.0	14	1257.0	-	5.680520
6	2	93.2	16	1260.0	-	6.052736
7	1	53.8	18	-	-	7.348492
8	2	57.3	15	1667.0	-	9.486982
9	1	97.9	14	-	-	10.316284
10	2	78.2	14	1540.0	-	11.810082

Table 74 - 802.11abgn Long Sequence Waveform Trial#25 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	56.0	20	1386.0	1192.0	0.198374
2	2	75.8	12	1431.0	-	1.341414
3	2	51.6	13	1529.0	-	1.949523

Table 74 - 802.11abgn Long Sequence Waveform Trial#25 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
4	1	53.5	6	-	-	2.931511
5	2	85.8	19	1570.0	-	3.487699
6	3	70.7	19	1445.0	1888.0	4.116771
7	2	60.6	19	1817.0	-	4.992601
8	1	57.0	5	-	-	5.902122
9	2	73.3	9	1040.0	-	7.019100
10	1	50.4	13	-	-	7.440500
11	1	93.5	15	-	-	8.232532
12	2	70.8	10	1369.0	-	9.418981
13	2	63.3	14	1495.0	-	9.825544
14	1	66.8	13	-	-	10.638547
15	3	74.7	19	1670.0	1315.0	11.541543

Table 75 - 802.11abgn Long Sequence Waveform Trial#26 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	80.5	18	1770.0	1889.0	0.750766
2	3	97.7	16	1920.0	1721.0	2.123815
3	2	79.5	9	1087.0	-	3.547433
4	1	81.3	19	-	-	3.684201
5	3	53.0	5	1492.0	1023.0	5.686892
6	1	74.7	12	-	-	7.028444
7	2	84.0	20	1945.0	-	7.880261
8	2	83.4	7	1053.0	-	9.345699
9	2	87.6	6	1529.0	-	10.703620
10	1	63.3	10	-	-	11.207701

Table 76 - 802.11abgn Long Sequence Waveform Trial#27 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	59.7	16	1578.0	-	0.333583
2	2	78.2	16	1380.0	-	0.940845
3	2	59.4	14	1555.0	-	1.794281
4	1	66.1	11	-	-	2.655276
5	1	51.5	20	-	-	3.080901
6	1	80.6	13	-	-	3.984752
7	3	56.2	15	1066.0	1541.0	5.229981
8	2	92.2	11	1671.0	-	5.727751
9	1	79.4	6	-	-	6.435674
10	2	72.2	16	1082.0	-	7.273660
11	2	62.9	9	1949.0	-	7.609672
12	2	93.9	18	1240.0	-	8.749003
13	1	69.8	14	-	-	9.501800
14	3	88.2	20	1597.0	1031.0	10.385525
15	3	72.5	10	1205.0	1240.0	10.578894
16	3	67.5	5	1929.0	1282.0	11.499413

Table 77 - 802.11abgn Long Sequence Waveform Trial#28 (Detected) , n20						
---	--	--	--	--	--	--

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	50.0	9	1012.0	-	0.991992
2	2	93.6	13	1570.0	-	1.022896
3	3	78.1	17	1239.0	1079.0	2.699372
4	2	90.5	6	1162.0	-	3.176640
5	1	89.1	6	-	-	4.861145
6	1	52.5	20	-	-	5.060232
7	3	77.7	8	1371.0	1063.0	6.593711
8	3	65.7	10	1073.0	1077.0	7.862510
9	2	79.4	6	1257.0	-	8.330695
10	2	97.5	15	1308.0	-	9.366836
11	2	76.1	13	1373.0	-	10.850719
12	1	71.2	18	-	-	11.559117

Table 78 - 802.11abgn Long Sequence Waveform Trial#29 (Detected) , n20

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	62.0	17	-	-	0.371736
2	2	63.4	5	1700.0	-	1.147272
3	3	56.1	9	1269.0	1829.0	1.313353
4	2	91.9	9	1598.0	-	2.092411
5	2	54.3	15	1273.0	-	3.046972
6	1	59.4	10	-	-	3.328696
7	2	50.1	12	1611.0	-	4.340279
8	2	87.9	12	1100.0	-	4.695706
9	1	89.2	16	-	-	5.070475
10	2	56.5	5	1581.0	-	5.996875
11	2	51.9	18	1865.0	-	6.765053
12	2	92.6	7	1177.0	-	7.186902
13	3	91.5	12	1670.0	1820.0	7.773708
14	3	74.0	14	1791.0	1673.0	8.726492
15	2	81.8	15	1887.0	-	9.251979
16	2	68.5	7	1239.0	-	9.995559
17	2	98.4	18	1091.0	-	10.241041
18	3	81.8	8	1886.0	1631.0	11.297925
19	2	57.9	10	1963.0	-	11.750494

Table 79 - 802.11abgn Long Sequence Waveform Trial#30 (Detected) , n20

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.3	12	1069.0	-	0.765639
2	3	76.5	5	1407.0	1159.0	1.280285
3	3	92.2	11	1260.0	1187.0	2.225450
4	3	93.4	15	1534.0	1293.0	4.196007
5	2	69.7	15	1213.0	-	4.884233
6	3	77.7	10	1443.0	1080.0	6.310986
7	3	77.0	16	1631.0	1130.0	6.817654
8	2	67.1	9	1170.0	-	8.263380
9	2	67.9	10	1383.0	-	9.022551
10	2	68.6	13	1867.0	-	10.278840
11	2	70.7	18	1621.0	-	11.020326

Table 80 - 802.11abgn Long Sequence Waveform Trial#31 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	86.8	7	1649.0	-	0.207888
2	2	63.4	16	1762.0	-	0.880019
3	2	53.6	10	1380.0	-	1.618334
4	3	92.6	11	1845.0	1933.0	2.644647
5	1	86.3	12	-	-	3.082392
6	3	63.9	19	1247.0	1661.0	3.921336
7	2	88.6	13	1928.0	-	4.481396
8	3	58.5	17	1418.0	1386.0	5.476715
9	2	77.2	6	1524.0	-	6.165220
10	3	77.6	7	1668.0	1592.0	6.653301
11	2	71.6	6	1142.0	-	7.385158
12	2	75.6	10	1142.0	-	7.968836
13	1	73.0	16	-	-	8.620569
14	1	65.3	14	-	-	9.366534
15	1	75.0	5	-	-	10.562891
16	2	65.2	19	1276.0	-	10.929272
17	3	90.7	13	1343.0	1313.0	11.373952

Table 81 - 802.11abgn Long Sequence Waveform Trial#32 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	61.7	14	1075.0	-	0.677268
2	2	75.4	12	1430.0	-	2.278609
3	2	63.0	8	1103.0	-	3.192539
4	3	96.0	18	1142.0	1619.0	4.189765
5	1	65.6	13	-	-	5.089574
6	2	87.4	9	1759.0	-	7.163666
7	2	91.9	12	1720.0	-	8.098497
8	3	68.0	20	1528.0	1080.0	8.672226
9	2	88.7	13	1579.0	-	10.367541
10	2	72.2	5	1298.0	-	11.366309

Table 82 - 802.11abgn Long Sequence Waveform Trial#33 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	95.4	20	1592.0	-	0.672960
2	1	93.6	14	-	-	1.138801
3	3	80.7	6	1789.0	1120.0	1.807954
4	1	65.4	11	-	-	2.962838
5	3	84.2	7	1667.0	1272.0	3.452107
6	3	74.4	17	1580.0	1882.0	4.080061
7	2	96.5	16	1240.0	-	5.115434
8	3	72.7	15	1440.0	1438.0	6.137110
9	2	88.1	10	1156.0	-	6.858039
10	2	66.7	17	1160.0	-	7.954482
11	2	63.3	13	1303.0	-	8.072962
12	2	79.1	15	1760.0	-	9.573824
13	2	93.2	15	1355.0	-	10.325319
14	2	94.2	12	1628.0	-	11.064304
15	3	76.2	11	1958.0	1981.0	11.902762

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	98.1	6	1755.0	-	0.988335
2	2	90.1	16	1965.0	-	2.157393
3	1	84.2	16	-	-	2.769984
4	2	72.3	19	1112.0	-	3.964899
5	2	96.5	16	1928.0	-	5.277819
6	1	50.3	6	-	-	5.587210
7	1	75.7	15	-	-	7.007982
8	2	78.5	7	1977.0	-	8.171342
9	2	51.5	7	1988.0	-	9.369807
10	2	85.3	8	1712.0	-	10.375789
11	2	91.6	8	1441.0	-	11.693933

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	78.5	10	1447.0	-	0.630939
2	3	69.4	16	1021.0	1408.0	1.140280
3	2	76.5	16	1907.0	-	1.383054
4	3	52.8	20	1129.0	1852.0	2.578362
5	3	72.4	9	1078.0	1686.0	3.054623
6	1	64.3	15	-	-	3.962744
7	1	66.7	11	-	-	4.334465
8	1	90.8	12	-	-	4.969206
9	1	98.5	13	-	-	5.631634
10	1	50.2	12	-	-	6.016336
11	1	79.4	8	-	-	7.284548
12	2	63.1	17	1547.0	-	7.451640
13	2	60.0	15	1280.0	-	8.608157
14	1	64.2	12	-	-	8.835041
15	2	65.2	10	1045.0	-	9.977956
16	3	93.4	19	1598.0	1815.0	10.114206
17	2	75.6	13	1376.0	-	10.953591
18	1	51.3	15	-	-	11.741998

Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	92.1	6	-	-	0.115331
2	2	93.5	9	1538.0	-	1.201562
3	1	85.9	11	-	-	1.833208
4	2	87.3	14	1945.0	-	2.053134
5	2	99.6	20	1459.0	-	2.771148
6	2	82.3	6	1740.0	-	3.847887
7	2	58.3	9	1800.0	-	4.504916
8	3	72.3	18	1192.0	1782.0	4.723237
9	2	77.4	6	1715.0	-	5.382700
10	2	66.4	9	1018.0	-	6.307514
11	2	98.7	6	1080.0	-	6.807317
12	3	87.0	8	1251.0	1992.0	7.364349

Table 85 - 802.11abgn Long Sequence Waveform Trial#36 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
13	2	57.8	8	1219.0	-	8.406653
14	3	69.1	17	1976.0	1902.0	8.763110
15	3	63.2	12	1105.0	1003.0	9.487293
16	2	81.4	15	1515.0	-	10.097398
17	2	55.5	18	1250.0	-	10.886527
18	2	95.9	14	1326.0	-	11.550971

Table 86 - 802.11abgn Long Sequence Waveform Trial#37 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	91.6	6	1056.0	1206.0	0.927753
2	2	55.3	9	1811.0	-	1.811889
3	2	88.0	13	1189.0	-	2.967320
4	1	73.3	14	-	-	3.928523
5	2	61.7	10	1773.0	-	4.110221
6	1	99.4	9	-	-	5.168963
7	1	74.9	7	-	-	6.300630
8	2	85.1	14	1990.0	-	7.946286
9	1	69.6	6	-	-	8.441544
10	3	95.9	10	1194.0	1659.0	9.932952
11	2	55.5	13	1238.0	-	10.747822
12	2	84.9	14	1128.0	-	11.654257

Table 87 - 802.11abgn Long Sequence Waveform Trial#38 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	2	83.0	11	1705.0	-	0.708962
2	3	90.7	15	1498.0	1054.0	1.018347
3	1	86.9	15	-	-	2.212892
4	2	71.1	14	1522.0	-	2.648789
5	2	80.3	13	1613.0	-	3.941966
6	3	67.0	16	1845.0	1822.0	4.879474
7	2	68.6	8	1745.0	-	5.250077
8	3	94.3	10	1744.0	1282.0	6.654627
9	1	69.0	19	-	-	7.454269
10	2	78.2	10	1343.0	-	8.563011
11	3	80.1	14	1129.0	1282.0	8.916631
12	3	96.9	13	1969.0	1738.0	10.093910
13	2	51.4	5	1738.0	-	11.035732
14	2	72.7	7	1630.0	-	11.984398

Table 88 - 802.11abgn Long Sequence Waveform Trial#39 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	3	87.6	6	1133.0	1623.0	0.230788
2	2	78.6	17	1681.0	-	1.035119
3	2	86.0	18	1403.0	-	1.584262
4	2	67.2	19	1303.0	-	2.044635
5	2	60.7	16	1538.0	-	2.509476

Table 88 - 802.11abgn Long Sequence Waveform Trial#39 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
6	2	74.9	7	1354.0	-	3.411860
7	2	97.5	11	1016.0	-	3.979634
8	2	78.2	18	1133.0	-	4.442177
9	2	89.6	11	1979.0	-	5.334205
10	2	78.0	11	1225.0	-	5.571674
11	1	68.6	14	-	-	6.324560
12	2	74.9	15	1780.0	-	7.155954
13	2	96.6	18	1414.0	-	7.777588
14	2	94.8	8	1693.0	-	8.180511
15	2	72.5	9	1416.0	-	8.837855
16	2	85.5	12	1866.0	-	9.463468
17	1	93.5	11	-	-	10.189511
18	3	91.1	19	1901.0	1781.0	10.501916
19	1	83.1	5	-	-	11.086234
20	2	94.0	17	1868.0	-	11.588162

Table 89 - 802.11abgn Long Sequence Waveform Trial#40 (Detected) , n20						
Burst #	# Pulses	Pulse Width (us)	Chirp (MHz)	Interval 1 to 2 (us)	Interval 2 to 3 (us)	Start time (s)
1	1	77.0	7	-	-	0.403700
2	1	54.9	11	-	-	2.089485
3	1	68.9	19	-	-	2.547593
4	2	79.0	11	1014.0	-	4.566839
5	1	87.8	8	-	-	4.863902
6	3	75.4	8	1111.0	1232.0	6.737005
7	2	72.4	7	1170.0	-	8.297303
8	2	72.6	17	1443.0	-	9.303323
9	3	75.5	12	1049.0	1287.0	10.362165
10	2	59.3	19	1084.0	-	11.697677

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
1	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5382, 5704, 5457, 5628, 5584, 5343, 5649, 5707, 5538, 5725, 5566, 5500, 5365, 5507, 5526, 5557, 5445, 5369, 5553, 5587, 5554, 5455, 5511, 5426, 5401, 5454, 5712, 5351, 5638, 5539, 5687, 5291, 5288, 5296, 5295, 5540, 5654, 5648, 5585, 5260, 5364, 5325, 5593, 5650, 5460, 5489, 5529, 5398, 5305, 5338, 5685, 5592, 5492, 5468, 5697, 5496, 5661, 5531, 5503, 5669, 5342, 5341, 5437, 5551, 5578, 5591, 5302, 5442, 5637, 5546, 5435, 5253, 5627, 5459, 5482, 5695, 5675, 5404, 5422, 5506, 5519, 5420, 5498, 5419, 5525, 5543, 5535, 5254, 5316, 5509, 5412, 5564, 5708, 5680, 5417, 5495, 5354, 5510, 5502, 5610 (9 hits) (05/31/2012 04:22:12 PM)
2	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5699, 5281, 5549, 5310, 5309, 5698, 5444, 5644, 5282, 5308, 5659, 5707, 5583, 5652, 5619, 5403, 5411, 5265, 5717, 5307, 5625, 5720, 5595, 5503, 5680, 5650, 5534, 5374, 5357, 5426, 5301, 5469, 5334, 5531, 5498, 5442, 5535, 5567, 5724, 5721, 5395, 5254, 5451, 5507, 5367, 5446, 5623, 5408, 5539, 5293, 5617, 5508, 5482, 5701, 5373, 5441, 5333, 5631, 5690, 5626, 5590, 5566, 5515, 5414, 5526, 5483, 5437, 5714, 5440, 5397, 5384, 5424, 5486, 5610, 5705, 5472, 5296, 5356, 5687, 5379, 5380, 5641, 5633, 5433, 5399, 5322, 5492, 5445, 5389, 5541, 5284, 5412, 5396, 5263, 5612, 5467, 5638, 5255, 5647, 5465 (5 hits) (05/31/2012 04:22:27 PM)

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
3	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5450, 5660, 5301, 5669, 5413, 5411, 5700, 5282, 5297, 5465, 5548, 5589, 5513, 5592, 5315, 5455, 5648, 5606, 5705, 5404, 5487, 5628, 5341, 5385, 5403, 5325, 5349, 5371, 5723, 5372, 5406, 5464, 5707, 5395, 5698, 5670, 5724, 5418, 5367, 5374, 5319, 5689, 5501, 5382, 5516, 5491, 5702, 5667, 5252, 5272, 5495, 5326, 5620, 5255, 5273, 5490, 5399, 5617, 5710, 5434, 5357, 5539, 5595, 5608, 5725, 5642, 5274, 5454, 5590, 5285, 5636, 5291, 5720, 5460, 5716, 5414, 5444, 5503, 5525, 5713, 5261, 5604, 5276, 5673, 5556, 5699, 5706, 5532, 5664, 5614, 5293, 5281, 5344, 5412, 5389, 5390, 5438, 5696, 5410, 5631 (3 hits) (05/31/2012 04:22:34 PM)
4	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5263, 5570, 5314, 5573, 5387, 5487, 5278, 5462, 5677, 5471, 5361, 5555, 5689, 5614, 5272, 5535, 5410, 5465, 5313, 5326, 5407, 5461, 5680, 5322, 5725, 5468, 5671, 5381, 5602, 5595, 5330, 5533, 5308, 5552, 5638, 5577, 5557, 5542, 5699, 5392, 5720, 5684, 5383, 5482, 5413, 5425, 5451, 5617, 5299, 5719, 5579, 5711, 5342, 5515, 5251, 5584, 5629, 5625, 5723, 5312, 5626, 5448, 5665, 5397, 5496, 5539, 5339, 5716, 5355, 5587, 5560, 5709, 5693, 5438, 5255, 5520, 5509, 5476, 5291, 5713, 5706, 5650, 5511, 5393, 5346, 5386, 5396, 5528, 5659, 5404, 5610, 5714, 5474, 5488, 5600, 5594, 5477, 5567, 5591, 5360 (1 hits) (05/31/2012 04:22:41 PM)
5	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5677, 5567, 5622, 5618, 5386, 5607, 5501, 5266, 5560, 5364, 5537, 5378, 5444, 5620, 5399, 5280, 5372, 5626, 5525, 5251, 5456, 5360, 5267, 5432, 5532, 5349, 5578, 5521, 5514, 5528, 5660, 5535, 5667, 5523, 5625, 5716, 5394, 5715, 5595, 5655, 5663, 5469, 5546, 5474, 5477, 5317, 5338, 5254, 5326, 5259, 5391, 5409, 5358,

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5719, 5304, 5407, 5275, 5700, 5415, 5515, 5389, 5470, 5439, 5318, 5435, 5598, 5574, 5379, 5479, 5299, 5538, 5314, 5279, 5503, 5384, 5679, 5408, 5687, 5322, 5328, 5541, 5496, 5294, 5356, 5723, 5315, 5647, 5313, 5300, 5312, 5369, 5324, 5376, 5559, 5614, 5551, 5556, 5604, 5298, 5562 (3 hits) (05/31/2012 04:22:48 PM)
6	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5472, 5556, 5667, 5343, 5483, 5429, 5625, 5510, 5505, 5500, 5409, 5725, 5428, 5653, 5308, 5607, 5682, 5463, 5421, 5370, 5297, 5589, 5337, 5442, 5492, 5579, 5643, 5258, 5706, 5495, 5615, 5690, 5449, 5525, 5627, 5327, 5487, 5513, 5534, 5476, 5362, 5388, 5520, 5679, 5348, 5402, 5670, 5251, 5404, 5704, 5571, 5475, 5562, 5634, 5678, 5576, 5575, 5646, 5381, 5539, 5464, 5580, 5673, 5595, 5660, 5336, 5644, 5701, 5713, 5714, 5411, 5430, 5623, 5584, 5465, 5705, 5416, 5608, 5618, 5628, 5455, 5601, 5374, 5346, 5361, 5417, 5503, 5259, 5350, 5287, 5462, 5376, 5587, 5645, 5391, 5424, 5698, 5399, 5341, 5557 (5 hits) (05/31/2012 04:22:54 PM)
7	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5556, 5347, 5564, 5391, 5396, 5471, 5469, 5514, 5386, 5253, 5373, 5682, 5374, 5458, 5715, 5580, 5560, 5628, 5421, 5460, 5344, 5714, 5306, 5673, 5550, 5718, 5700, 5542, 5359, 5679, 5438, 5381, 5583, 5387, 5562, 5607, 5405, 5474, 5320, 5329, 5484, 5600, 5449, 5692, 5281, 5558, 5523, 5499, 5480, 5658, 5505, 5549, 5651, 5453, 5529, 5349, 5388, 5400, 5431, 5322, 5646, 5511, 5302, 5647, 5654, 5450, 5674, 5641, 5268, 5270, 5490, 5284, 5495, 5250, 5252, 5586, 5312, 5625, 5553, 5502, 5648, 5292, 5314, 5267, 5573, 5613, 5719, 5403, 5609, 5288, 5337, 5293, 5350, 5258, 5681, 5577, 5622, 5279, 5642, 5282 (4 hits) (05/31/2012 04:23:01 PM)

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
8	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5371, 5638, 5281, 5418, 5529, 5616, 5295, 5441, 5416, 5654, 5706, 5414, 5504, 5328, 5443, 5635, 5592, 5632, 5666, 5688, 5283, 5472, 5531, 5276, 5455, 5710, 5722, 5339, 5477, 5344, 5409, 5252, 5436, 5500, 5293, 5704, 5389, 5669, 5349, 5582, 5671, 5677, 5689, 5351, 5562, 5581, 5631, 5303, 5626, 5317, 5370, 5594, 5329, 5423, 5492, 5311, 5332, 5711, 5337, 5554, 5627, 5397, 5308, 5705, 5588, 5285, 5709, 5461, 5489, 5528, 5355, 5624, 5279, 5614, 5266, 5374, 5621, 5665, 5642, 5564, 5405, 5498, 5650, 5483, 5712, 5497, 5530, 5661, 5515, 5333, 5463, 5525, 5257, 5713, 5686, 5663, 5431, 5275, 5716, 5272 (5 hits) (05/31/2012 04:23:07 PM)
9	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5259, 5333, 5581, 5584, 5501, 5388, 5375, 5667, 5583, 5379, 5381, 5537, 5282, 5377, 5662, 5534, 5325, 5654, 5276, 5407, 5551, 5520, 5284, 5436, 5628, 5329, 5451, 5440, 5561, 5441, 5672, 5316, 5251, 5267, 5313, 5517, 5356, 5526, 5477, 5586, 5718, 5322, 5558, 5693, 5300, 5694, 5319, 5686, 5411, 5409, 5502, 5616, 5720, 5349, 5689, 5579, 5630, 5258, 5668, 5400, 5701, 5684, 5321, 5566, 5580, 5261, 5636, 5482, 5531, 5674, 5505, 5516, 5493, 5271, 5647, 5344, 5445, 5279, 5521, 5285, 5634, 5724, 5529, 5563, 5272, 5515, 5385, 5343, 5593, 5503, 5562, 5415, 5478, 5519, 5419, 5450, 5555, 5592, 5268, 5600 (5 hits) (05/31/2012 04:23:13 PM)
10	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5562, 5338, 5504, 5436, 5715, 5416, 5335, 5356, 5503, 5521, 5306, 5606, 5525, 5519, 5353, 5636, 5652, 5711, 5655, 5404, 5417, 5366, 5575, 5435, 5528, 5476, 5443, 5384, 5324, 5638, 5396, 5508, 5510, 5257, 5402, 5580, 5498, 5512, 5539, 5395, 5409, 5702, 5599, 5323, 5394, 5542, 5275, 5515, 5318, 5670, 5286, 5298, 5589,

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5666, 5389, 5255, 5479, 5544, 5431, 5299, 5501, 5261, 5631, 5413, 5701, 5287, 5678, 5341, 5331, 5561, 5440, 5685, 5368, 5497, 5372, 5564, 5277, 5254, 5700, 5724, 5262, 5267, 5505, 5437, 5625, 5714, 5292, 5624, 5623, 5268, 5621, 5600, 5391, 5527, 5634, 5284, 5445, 5468, 5530, 5533 (7 hits) (05/31/2012 04:23:26 PM)
11	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5585, 5327, 5404, 5338, 5474, 5432, 5577, 5301, 5507, 5470, 5627, 5389, 5311, 5564, 5418, 5347, 5660, 5599, 5548, 5489, 5678, 5314, 5287, 5685, 5440, 5282, 5362, 5306, 5323, 5672, 5423, 5444, 5453, 5578, 5635, 5717, 5579, 5501, 5646, 5611, 5596, 5298, 5318, 5688, 5492, 5408, 5356, 5378, 5584, 5436, 5294, 5296, 5724, 5319, 5557, 5568, 5473, 5258, 5711, 5622, 5605, 5545, 5461, 5588, 5256, 5483, 5370, 5469, 5251, 5687, 5312, 5263, 5626, 5673, 5397, 5703, 5465, 5619, 5464, 5353, 5705, 5572, 5645, 5458, 5484, 5534, 5479, 5472, 5478, 5586, 5508, 5330, 5493, 5315, 5536, 5406, 5283, 5716, 5667, 5523 (5 hits) (05/31/2012 04:23:35 PM)
12	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5635, 5627, 5642, 5468, 5479, 5724, 5573, 5672, 5478, 5419, 5467, 5447, 5522, 5681, 5574, 5553, 5333, 5312, 5251, 5473, 5266, 5330, 5460, 5504, 5363, 5690, 5576, 5374, 5269, 5621, 5549, 5397, 5287, 5396, 5569, 5636, 5361, 5283, 5726, 5318, 5659, 5487, 5620, 5673, 5518, 5380, 5316, 5350, 5669, 5716, 5550, 5507, 5712, 5329, 5483, 5302, 5517, 5443, 5719, 5291, 5454, 5494, 5370, 5557, 5328, 5434, 5368, 5602, 5623, 5385, 5274, 5336, 5625, 5392, 5453, 5543, 5626, 5615, 5432, 5462, 5707, 5365, 5403, 5709, 5526, 5435, 5471, 5721, 5311, 5520, 5346, 5570, 5259, 5262, 5527, 5565, 5399, 5276, 5323, 5408 (3 hits) (05/31/2012 04:23:41 PM)

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
13	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5417, 5551, 5273, 5525, 5722, 5342, 5568, 5268, 5372, 5436, 5487, 5618, 5296, 5381, 5383, 5421, 5670, 5709, 5529, 5405, 5411, 5294, 5329, 5583, 5347, 5414, 5703, 5471, 5682, 5543, 5693, 5426, 5611, 5519, 5669, 5351, 5339, 5497, 5499, 5281, 5373, 5363, 5571, 5575, 5486, 5492, 5531, 5627, 5698, 5626, 5331, 5251, 5254, 5574, 5267, 5516, 5385, 5441, 5384, 5713, 5400, 5504, 5319, 5365, 5391, 5450, 5419, 5701, 5455, 5308, 5295, 5708, 5447, 5569, 5278, 5664, 5425, 5515, 5326, 5284, 5493, 5364, 5409, 5270, 5640, 5459, 5562, 5614, 5559, 5369, 5706, 5593, 5280, 5396, 5458, 5609, 5657, 5387, 5500, 5636 (6 hits) (05/31/2012 04:23:48 PM)
14	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5604, 5390, 5365, 5613, 5698, 5459, 5534, 5611, 5662, 5285, 5306, 5654, 5257, 5672, 5554, 5442, 5567, 5388, 5465, 5357, 5720, 5415, 5311, 5708, 5526, 5339, 5623, 5286, 5565, 5590, 5252, 5557, 5251, 5532, 5366, 5498, 5418, 5566, 5622, 5441, 5387, 5493, 5710, 5462, 5696, 5713, 5707, 5626, 5358, 5304, 5488, 5333, 5344, 5602, 5677, 5477, 5393, 5410, 5378, 5632, 5268, 5470, 5379, 5709, 5561, 5444, 5440, 5502, 5328, 5506, 5631, 5420, 5520, 5547, 5657, 5448, 5272, 5283, 5315, 5716, 5323, 5447, 5381, 5435, 5530, 5656, 5552, 5367, 5702, 5497, 5297, 5487, 5352, 5505, 5670, 5680, 5469, 5394, 5637, 5597 (6 hits) (05/31/2012 04:23:54 PM)
15	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5343, 5502, 5574, 5426, 5629, 5554, 5507, 5340, 5634, 5562, 5292, 5482, 5378, 5645, 5312, 5559, 5285, 5530, 5606, 5255, 5328, 5569, 5341, 5501, 5523, 5701, 5384, 5406, 5513, 5373, 5346, 5428, 5324, 5623, 5358, 5268, 5709, 5649, 5325, 5489, 5467, 5335, 5327, 5706, 5615, 5392, 5535, 5567, 5610, 5515, 5366, 5560, 5675,

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5580, 5377, 5362, 5667, 5589, 5588, 5326, 5371, 5620, 5481, 5303, 5258, 5363, 5494, 5488, 5490, 5514, 5696, 5398, 5725, 5279, 5677, 5546, 5556, 5356, 5275, 5686, 5388, 5687, 5375, 5641, 5405, 5638, 5439, 5547, 5402, 5689, 5570, 5702, 5597, 5290, 5251, 5572, 5590, 5330, 5518, 5690 (4 hits) (05/31/2012 04:24:01 PM)
16	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5577, 5269, 5537, 5475, 5683, 5287, 5551, 5415, 5312, 5252, 5479, 5627, 5358, 5651, 5690, 5692, 5620, 5718, 5391, 5255, 5503, 5617, 5443, 5536, 5607, 5624, 5516, 5525, 5335, 5700, 5296, 5458, 5343, 5365, 5550, 5402, 5639, 5679, 5338, 5647, 5623, 5282, 5265, 5403, 5271, 5267, 5615, 5386, 5552, 5347, 5644, 5290, 5272, 5284, 5409, 5604, 5434, 5715, 5648, 5279, 5676, 5377, 5678, 5621, 5470, 5340, 5441, 5257, 5553, 5375, 5669, 5474, 5253, 5469, 5560, 5274, 5658, 5266, 5420, 5618, 5278, 5670, 5488, 5487, 5496, 5410, 5706, 5467, 5630, 5646, 5564, 5638, 5576, 5260, 5698, 5512, 5457, 5326, 5649, 5578 (2 hits) (05/31/2012 04:24:08 PM)
17	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5674, 5713, 5461, 5369, 5482, 5257, 5643, 5536, 5310, 5525, 5348, 5407, 5440, 5431, 5623, 5308, 5562, 5548, 5453, 5311, 5379, 5628, 5417, 5446, 5706, 5264, 5488, 5389, 5305, 5565, 5634, 5405, 5377, 5609, 5641, 5253, 5544, 5620, 5585, 5467, 5254, 5504, 5442, 5333, 5593, 5587, 5447, 5353, 5486, 5375, 5672, 5618, 5577, 5560, 5688, 5520, 5631, 5349, 5271, 5573, 5700, 5613, 5714, 5281, 5670, 5296, 5632, 5635, 5723, 5463, 5675, 5563, 5426, 5458, 5267, 5344, 5340, 5518, 5325, 5398, 5438, 5272, 5683, 5642, 5343, 5686, 5363, 5402, 5322, 5502, 5485, 5302, 5549, 5662, 5279, 5579, 5434, 5326, 5262, 5342 (2 hits) (05/31/2012 04:24:14 PM)

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
18	9	1.0	333.0	Yes	5507.0MHz, -64.0dBm	Hop sequence: 5676, 5583, 5707, 5512, 5490, 5652, 5518, 5560, 5588, 5282, 5307, 5640, 5466, 5647, 5504, 5531, 5418, 5574, 5254, 5725, 5334, 5424, 5523, 5269, 5705, 5364, 5598, 5670, 5717, 5354, 5265, 5444, 5595, 5552, 5430, 5600, 5679, 5571, 5258, 5639, 5509, 5526, 5580, 5357, 5693, 5335, 5514, 5477, 5393, 5388, 5712, 5331, 5390, 5539, 5435, 5694, 5689, 5630, 5310, 5493, 5505, 5320, 5482, 5592, 5351, 5483, 5555, 5476, 5374, 5558, 5459, 5573, 5277, 5522, 5656, 5398, 5521, 5543, 5313, 5540, 5346, 5703, 5480, 5597, 5332, 5549, 5343, 5581, 5448, 5695, 5375, 5420, 5303, 5365, 5344, 5350, 5720, 5381, 5685, 5700 (3 hits) (05/31/2012 04:24:27 PM)
19	9	1.0	333.0	Yes	5508.0MHz, -64.0dBm	Hop sequence: 5340, 5418, 5625, 5417, 5333, 5292, 5323, 5696, 5497, 5670, 5430, 5253, 5554, 5402, 5309, 5388, 5321, 5420, 5312, 5332, 5574, 5274, 5337, 5486, 5272, 5567, 5379, 5470, 5544, 5275, 5578, 5607, 5302, 5586, 5666, 5592, 5543, 5469, 5711, 5370, 5280, 5318, 5556, 5252, 5468, 5481, 5424, 5390, 5688, 5710, 5319, 5601, 5526, 5452, 5477, 5498, 5421, 5432, 5617, 5281, 5655, 5508, 5577, 5693, 5701, 5637, 5690, 5382, 5691, 5299, 5492, 5405, 5568, 5507, 5276, 5551, 5616, 5465, 5563, 5665, 5369, 5657, 5663, 5660, 5632, 5409, 5328, 5460, 5519, 5338, 5604, 5290, 5542, 5650, 5664, 5687, 5376, 5538, 5479, 5266 (5 hits) (05/31/2012 04:24:34 PM)
20	9	1.0	333.0	Yes	5492.0MHz, -64.0dBm	Hop sequence: 5549, 5504, 5420, 5278, 5311, 5439, 5664, 5695, 5718, 5700, 5651, 5448, 5561, 5481, 5610, 5405, 5285, 5704, 5544, 5364, 5536, 5339, 5417, 5386, 5354, 5584, 5505, 5568, 5257, 5552, 5389, 5488, 5472, 5434, 5431, 5261, 5414, 5309, 5300, 5616, 5358, 5578, 5432, 5327, 5433, 5665, 5538, 5708, 5415, 5482, 5291, 5696, 5617,

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5447, 5554, 5607, 5627, 5445, 5378, 5317, 5438, 5516, 5294, 5251, 5334, 5332, 5527, 5706, 5493, 5690, 5262, 5566, 5679, 5303, 5298, 5629, 5342, 5726, 5528, 5409, 5498, 5318, 5631, 5333, 5596, 5630, 5669, 5547, 5260, 5371, 5435, 5602, 5336, 5691, 5459, 5290, 5533, 5712, 5683, 5531 (4 hits) (05/31/2012 04:24:42 PM)
21	9	1.0	333.0	Yes	5493.0MHz, -64.0dBm	Hop sequence: 5658, 5410, 5458, 5623, 5487, 5383, 5311, 5426, 5564, 5368, 5542, 5403, 5649, 5539, 5695, 5627, 5374, 5581, 5694, 5314, 5545, 5533, 5603, 5580, 5538, 5394, 5270, 5510, 5584, 5482, 5265, 5502, 5463, 5431, 5613, 5371, 5404, 5675, 5582, 5263, 5515, 5596, 5355, 5665, 5318, 5319, 5547, 5255, 5411, 5655, 5297, 5384, 5488, 5435, 5486, 5349, 5312, 5691, 5419, 5473, 5407, 5366, 5561, 5491, 5472, 5560, 5422, 5452, 5277, 5713, 5405, 5724, 5571, 5315, 5409, 5480, 5254, 5588, 5630, 5375, 5427, 5625, 5633, 5377, 5400, 5554, 5288, 5525, 5408, 5469, 5350, 5434, 5432, 5365, 5635, 5689, 5457, 5459, 5268, 5626 (1 hits) (05/31/2012 04:24:49 PM)
22	9	1.0	333.0	Yes	5494.0MHz, -64.0dBm	Hop sequence: 5382, 5689, 5308, 5317, 5569, 5552, 5555, 5678, 5674, 5406, 5639, 5715, 5287, 5291, 5437, 5589, 5462, 5465, 5405, 5638, 5332, 5259, 5661, 5266, 5580, 5676, 5448, 5708, 5295, 5419, 5285, 5298, 5283, 5626, 5601, 5651, 5470, 5584, 5373, 5630, 5519, 5273, 5667, 5712, 5431, 5515, 5400, 5334, 5447, 5665, 5360, 5344, 5274, 5378, 5381, 5480, 5281, 5421, 5591, 5335, 5531, 5722, 5439, 5342, 5582, 5359, 5541, 5346, 5588, 5658, 5527, 5548, 5354, 5622, 5566, 5634, 5390, 5358, 5262, 5701, 5532, 5517, 5489, 5348, 5387, 5625, 5289, 5427, 5256, 5438, 5265, 5261, 5704, 5679, 5313, 5396, 5691, 5481, 5318, 5493 (1 hits) (05/31/2012 04:24:55 PM)

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
23	9	1.0	333.0	Yes	5495.0MHz, -64.0dBm	Hop sequence: 5547, 5708, 5634, 5668, 5610, 5658, 5510, 5335, 5275, 5537, 5604, 5446, 5353, 5300, 5724, 5349, 5496, 5699, 5255, 5421, 5594, 5458, 5386, 5556, 5638, 5315, 5331, 5627, 5500, 5365, 5418, 5527, 5648, 5508, 5690, 5558, 5454, 5576, 5388, 5694, 5435, 5660, 5301, 5410, 5659, 5430, 5423, 5450, 5348, 5447, 5626, 5516, 5663, 5371, 5326, 5642, 5364, 5376, 5653, 5488, 5723, 5548, 5681, 5613, 5575, 5532, 5573, 5712, 5324, 5481, 5526, 5682, 5470, 5483, 5612, 5683, 5281, 5294, 5416, 5378, 5701, 5288, 5463, 5308, 5304, 5384, 5471, 5598, 5279, 5716, 5342, 5692, 5534, 5652, 5296, 5341, 5330, 5405, 5359, 5269 (3 hits) (05/31/2012 04:25:03 PM)
24	9	1.0	333.0	Yes	5496.0MHz, -64.0dBm	Hop sequence: 5278, 5564, 5666, 5642, 5645, 5252, 5381, 5627, 5590, 5431, 5675, 5473, 5358, 5406, 5395, 5491, 5359, 5429, 5492, 5463, 5308, 5538, 5616, 5552, 5325, 5714, 5373, 5459, 5255, 5700, 5722, 5647, 5532, 5295, 5430, 5425, 5686, 5301, 5606, 5372, 5284, 5555, 5315, 5504, 5588, 5691, 5695, 5432, 5445, 5562, 5694, 5488, 5523, 5651, 5630, 5354, 5596, 5402, 5456, 5382, 5414, 5637, 5516, 5353, 5661, 5569, 5585, 5296, 5370, 5304, 5288, 5577, 5421, 5356, 5535, 5346, 5481, 5375, 5428, 5683, 5394, 5716, 5570, 5554, 5328, 5258, 5655, 5509, 5305, 5602, 5510, 5254, 5592, 5418, 5320, 5658, 5387, 5551, 5550, 5649 (2 hits) (05/31/2012 04:25:09 PM)
25	9	1.0	333.0	Yes	5497.0MHz, -64.0dBm	Hop sequence: 5550, 5536, 5344, 5641, 5356, 5277, 5399, 5294, 5287, 5614, 5477, 5606, 5514, 5311, 5445, 5259, 5374, 5303, 5653, 5264, 5663, 5492, 5274, 5394, 5546, 5332, 5293, 5688, 5572, 5528, 5334, 5432, 5582, 5673, 5327, 5454, 5707, 5706, 5390, 5488, 5387, 5698, 5676, 5358, 5603, 5573, 5336, 5715, 5273, 5521, 5461, 5333, 5300,

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5438, 5551, 5360, 5714, 5666, 5577, 5407, 5709, 5493, 5544, 5670, 5647, 5533, 5289, 5630, 5408, 5328, 5675, 5402, 5510, 5491, 5642, 5722, 5556, 5298, 5690, 5723, 5393, 5711, 5423, 5685, 5372, 5615, 5451, 5648, 5347, 5540, 5598, 5323, 5476, 5472, 5265, 5594, 5523, 5478, 5427, 5667 (2 hits) (05/31/2012 04:25:16 PM)
26	9	1.0	333.0	Yes	5498.0MHz, -64.0dBm	Hop sequence: 5336, 5367, 5404, 5281, 5653, 5487, 5585, 5584, 5720, 5541, 5684, 5306, 5283, 5264, 5591, 5262, 5350, 5570, 5314, 5707, 5421, 5523, 5663, 5698, 5388, 5398, 5394, 5270, 5440, 5271, 5629, 5261, 5300, 5545, 5473, 5326, 5422, 5303, 5506, 5636, 5363, 5448, 5310, 5451, 5618, 5621, 5412, 5724, 5366, 5639, 5484, 5664, 5408, 5353, 5700, 5332, 5319, 5676, 5341, 5441, 5519, 5469, 5320, 5305, 5563, 5605, 5464, 5427, 5722, 5547, 5569, 5552, 5304, 5599, 5662, 5679, 5347, 5446, 5695, 5475, 5342, 5624, 5516, 5691, 5654, 5667, 5709, 5503, 5410, 5370, 5403, 5580, 5716, 5637, 5343, 5505, 5697, 5602, 5677, 5381 (3 hits) (05/31/2012 04:25:22 PM)
27	9	1.0	333.0	Yes	5499.0MHz, -64.0dBm	Hop sequence: 5601, 5627, 5396, 5351, 5615, 5492, 5401, 5636, 5256, 5265, 5525, 5276, 5251, 5528, 5316, 5278, 5560, 5273, 5702, 5403, 5540, 5361, 5376, 5667, 5509, 5381, 5562, 5568, 5654, 5561, 5599, 5341, 5595, 5655, 5607, 5429, 5422, 5664, 5441, 5647, 5439, 5470, 5479, 5480, 5597, 5518, 5622, 5722, 5680, 5436, 5344, 5354, 5496, 5497, 5285, 5404, 5421, 5472, 5357, 5523, 5712, 5317, 5707, 5253, 5558, 5325, 5449, 5320, 5491, 5298, 5687, 5579, 5498, 5577, 5311, 5319, 5629, 5328, 5674, 5656, 5358, 5633, 5431, 5266, 5375, 5608, 5365, 5460, 5653, 5435, 5442, 5474, 5275, 5476, 5714, 5684, 5423, 5300, 5614, 5477 (4 hits) (05/31/2012 04:25:29 PM)

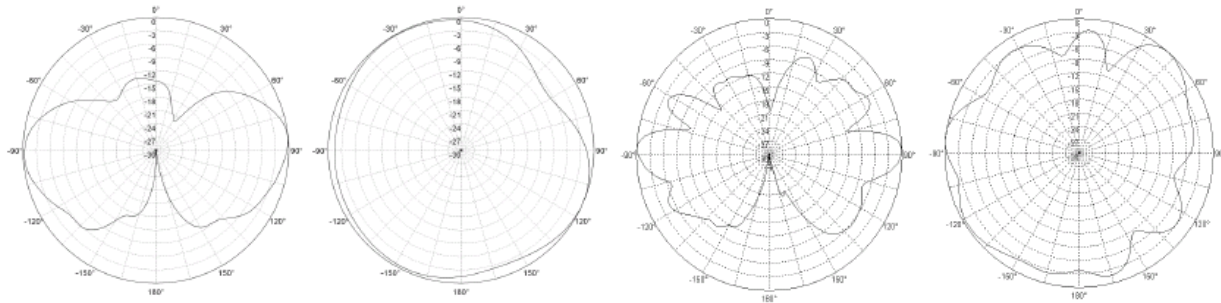
Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
28	9	1.0	333.0	Yes	5500.0MHz, -64.0dBm	Hop sequence: 5287, 5268, 5717, 5507, 5464, 5689, 5578, 5562, 5362, 5617, 5497, 5534, 5504, 5660, 5283, 5502, 5570, 5626, 5446, 5643, 5432, 5401, 5672, 5289, 5457, 5608, 5564, 5595, 5540, 5693, 5417, 5250, 5616, 5346, 5304, 5468, 5677, 5340, 5702, 5590, 5530, 5598, 5484, 5529, 5545, 5400, 5447, 5576, 5525, 5428, 5471, 5679, 5684, 5298, 5466, 5281, 5470, 5580, 5324, 5631, 5719, 5541, 5395, 5407, 5498, 5257, 5711, 5563, 5706, 5514, 5411, 5696, 5493, 5602, 5584, 5565, 5537, 5263, 5416, 5499, 5422, 5301, 5310, 5657, 5575, 5326, 5383, 5549, 5716, 5691, 5714, 5313, 5278, 5358, 5423, 5594, 5294, 5258, 5372, 5302 (7 hits) (05/31/2012 04:25:35 PM)
29	9	1.0	333.0	Yes	5501.0MHz, -64.0dBm	Hop sequence: 5479, 5709, 5276, 5457, 5663, 5655, 5613, 5262, 5540, 5639, 5431, 5428, 5267, 5648, 5358, 5266, 5491, 5458, 5300, 5705, 5661, 5616, 5330, 5306, 5414, 5321, 5681, 5448, 5612, 5496, 5642, 5412, 5304, 5301, 5574, 5602, 5500, 5676, 5290, 5284, 5558, 5506, 5536, 5337, 5399, 5252, 5492, 5455, 5314, 5530, 5647, 5383, 5573, 5329, 5391, 5597, 5350, 5566, 5287, 5634, 5684, 5617, 5622, 5673, 5703, 5595, 5285, 5313, 5397, 5323, 5390, 5411, 5581, 5567, 5419, 5449, 5652, 5580, 5716, 5343, 5526, 5653, 5436, 5559, 5255, 5387, 5258, 5562, 5601, 5298, 5317, 5464, 5542, 5697, 5625, 5363, 5523, 5365, 5374, 5620 (4 hits) (05/31/2012 04:25:41 PM)
30	9	1.0	333.0	Yes	5502.0MHz, -64.0dBm	Hop sequence: 5557, 5601, 5663, 5703, 5402, 5292, 5427, 5254, 5371, 5635, 5368, 5580, 5273, 5374, 5297, 5590, 5335, 5689, 5304, 5340, 5353, 5572, 5445, 5627, 5281, 5611, 5529, 5692, 5500, 5598, 5470, 5630, 5448, 5718, 5717, 5390, 5356, 5644, 5251, 5362, 5633, 5527, 5301, 5578, 5720, 5342, 5437, 5398, 5592, 5372, 5396, 5357, 5626,

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
						5291, 5649, 5604, 5473, 5608, 5457, 5547, 5334, 5423, 5588, 5517, 5407, 5594, 5548, 5265, 5622, 5323, 5382, 5393, 5492, 5683, 5507, 5693, 5324, 5672, 5558, 5562, 5521, 5725, 5615, 5302, 5575, 5543, 5366, 5574, 5551, 5410, 5461, 5632, 5542, 5600, 5516, 5452, 5540, 5599, 5339, 5305 (3 hits) (05/31/2012 04:25:48 PM)
31	9	1.0	333.0	Yes	5503.0MHz, -64.0dBm	Hop sequence: 5559, 5371, 5263, 5691, 5623, 5564, 5646, 5359, 5361, 5441, 5543, 5651, 5354, 5421, 5393, 5480, 5460, 5606, 5533, 5537, 5513, 5686, 5422, 5689, 5639, 5635, 5342, 5339, 5627, 5352, 5309, 5400, 5587, 5692, 5332, 5458, 5624, 5320, 5652, 5259, 5551, 5713, 5281, 5726, 5529, 5295, 5662, 5307, 5445, 5502, 5491, 5377, 5454, 5410, 5478, 5725, 5628, 5254, 5671, 5609, 5521, 5501, 5622, 5266, 5293, 5704, 5388, 5436, 5316, 5277, 5325, 5424, 5721, 5363, 5252, 5415, 5722, 5674, 5370, 5308, 5526, 5540, 5461, 5557, 5573, 5508, 5474, 5268, 5613, 5696, 5634, 5682, 5257, 5439, 5642, 5676, 5409, 5444, 5584, 5578 (3 hits) (05/31/2012 04:25:54 PM)
32	9	1.0	333.0	Yes	5504.0MHz, -64.0dBm	Hop sequence: 5656, 5628, 5278, 5469, 5332, 5510, 5692, 5350, 5550, 5391, 5522, 5724, 5698, 5693, 5633, 5257, 5641, 5596, 5280, 5289, 5488, 5379, 5695, 5370, 5423, 5722, 5366, 5356, 5355, 5282, 5683, 5479, 5496, 5516, 5554, 5252, 5663, 5346, 5719, 5526, 5578, 5512, 5369, 5561, 5411, 5691, 5395, 5306, 5441, 5689, 5397, 5255, 5341, 5699, 5518, 5476, 5483, 5592, 5283, 5635, 5434, 5587, 5297, 5688, 5511, 5490, 5377, 5521, 5256, 5575, 5422, 5471, 5597, 5455, 5659, 5354, 5623, 5644, 5548, 5437, 5645, 5465, 5498, 5281, 5557, 5543, 5322, 5462, 5313, 5539, 5631, 5542, 5274, 5665, 5443, 5638, 5670, 5463, 5300, 5507 (3 hits) (05/31/2012 04:26:00 PM)

Table 90 - FCC frequency hopping radar (Type 6) Results 802.11abgn, n20						
Trial #	Pulses/ Burst	Pulse Width (us)	PRI (us)	Detected	Fr (MHz) and level (dBm)	Burst Information
33	9	1.0	333.0	Yes	5505.0MHz, -64.0dBm	Hop sequence: 5591, 5451, 5257, 5253, 5453, 5492, 5683, 5695, 5264, 5390, 5332, 5705, 5570, 5279, 5386, 5535, 5429, 5303, 5511, 5614, 5448, 5537, 5400, 5523, 5543, 5627, 5718, 5411, 5641, 5648, 5505, 5486, 5650, 5395, 5266, 5508, 5688, 5316, 5413, 5345, 5618, 5512, 5427, 5354, 5629, 5587, 5569, 5713, 5599, 5346, 5548, 5446, 5556, 5274, 5320, 5607, 5452, 5572, 5368, 5456, 5636, 5260, 5467, 5454, 5546, 5586, 5478, 5616, 5557, 5338, 5720, 5724, 5331, 5583, 5510, 5623, 5363, 5509, 5334, 5580, 5375, 5577, 5397, 5545, 5593, 5551, 5455, 5576, 5605, 5698, 5489, 5719, 5300, 5359, 5460, 5355, 5495, 5646, 5435, 5419 (4 hits) (05/31/2012 04:26:06 PM)
34	9	1.0	333.0	Yes	5506.0MHz, -64.0dBm	Hop sequence: 5257, 5333, 5687, 5634, 5469, 5715, 5298, 5259, 5535, 5488, 5366, 5644, 5493, 5698, 5589, 5554, 5353, 5283, 5511, 5536, 5510, 5334, 5545, 5451, 5686, 5524, 5516, 5384, 5316, 5396, 5311, 5677, 5266, 5293, 5419, 5483, 5693, 5473, 5369, 5533, 5328, 5400, 5720, 5490, 5497, 5514, 5615, 5267, 5501, 5331, 5498, 5621, 5672, 5341, 5327, 5508, 5641, 5429, 5348, 5467, 5368, 5670, 5485, 5251, 5466, 5523, 5446, 5416, 5642, 5253, 5379, 5577, 5645, 5439, 5323, 5700, 5393, 5617, 5584, 5717, 5468, 5574, 5568, 5555, 5454, 5581, 5632, 5411, 5567, 5431, 5455, 5335, 5643, 5299, 5306, 5530, 5669, 5269, 5425, 5480 (5 hits) (05/31/2012 04:26:13 PM)

Appendix C Antenna Specification

Specifications	
Model	M6060060MO1D33607
Frequency Range	2400~2500 / 5150~5850 MHz
Bandwidth	100 / 700 MHz
Gain	4 / 6 dBi
Vertical Beamwidth	35°/25°
Horizontal Beamwidth	360°
VSWR	Typical $\leq 1.5 - 2.0$
Nominal Impedance	50 Ohms
Polarization	Vertical
Isolation	≤ -15 dB
Max Power	10W
Lightning Protection	Not DC Grounded
Connector	N-Style Plug with 36" Pigtail
Dimensions	5.9" x 7"
Weight	2.64 lbs
Mast Mount Diameter	1.37"-1.97"
Operating Temperature Range	-40°F to +158°F
Wind Load	134 mph



Appendix D Test Configuration Photograph(s)



