Dynamic Frequency Selection (DFS)

Test Report

Product Name ： Wireless-AC2900 Dual Band Gigabit Router

Trade Name ： ASUS

Model No. ： RT-AC86U, RT-AC68U Extreme, RT-AC86A, RT-AC86P, RT-AC86R, RT-AC86X, RT-AC2900, AC2900

FCC ID. ： MSQ-RTACHN00

Applicant ： ASUSTeK COMPUTER INC.

Address ： 4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan

Date of Receipt ： Feb. 13, 2017

Issued Date ： Sep. 14, 2017

Report No. ： 1720225R-RFUSP16V00

Report Version ： V1.0

DFS Test Report

DEKRA

Product Name	:	Wireless-AC2900 Dual Band Gigabit Router
Applicant	:	ASUSTeK COMPUTER INC.
Address	:	4F, No. 150, Li-Te Rd., Peitou, Taipei, Taiwan
Manufacturer	:	ASUSTeK COMPUTER INC.
Model No.	:	RT-AC86U, RT-AC68U Extreme, RT-AC86A, RT-AC86P, RT-AC86R, RT-AC86X, RT-AC2900, AC2900
FCC ID.	:	MSQ-RTACHN00
EUT Voltage	:	AC 100-240V, 50-60Hz
Testing Voltage	:	AC 120V/60Hz
Trade Name	:	ASUS
Applicable Standard	:	FCC CFR Title 47 Part 15 Subpart E 15.407 (h): 2015 KDB 905462 D02V02, KDB 905462 D04V01, KDB 905462 D06V02 FCC 16-24
Laboratory Name	:	Hsin Chu Laboratory
Address	:	No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan TEL: +886-3-582-8001 / FAX: +886-3-582-8958
Test Result	:	Complied
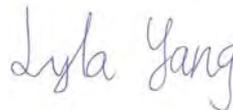
Documented By	:	*Lyla Yang*
		(Lyla Yang / Engineering Adm. Specialist)
Tested By	:	*Scott Chang*
		(Scott Chang / Engineer)
Approved By	:	*Roy Wang*
		(Roy Wang / Director)
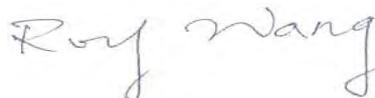
TABLE OF CONTENTS

Description | Page

1. GENERAL INFORMATION

1.1. Standard Requirement

FCC Part 15.407:

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30dBm. A TPC mechanism is not required for systems with an E.I.R.P. of less than 500mW.

U-NII devices operating in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems.

1.2. EUT Description

Product Name	Wireless-AC2900 Dual Band Gigabit Router
Trade Name	ASUS
Model No.	RT-AC86U, RT-AC68U Extreme, RT-AC86A, RT-AC86P, RT-AC86R, RT-AC86X, RT-AC2900, AC2900
DFS Frequency Range	802.11a/n-20MHz:5260-5320MHz,5500-5700MHz 802.11n-40MHz:5270-5310MHz,5510-5670MHz 802.11ac-80MHz:5290MHz,5530-5690MHz
Number of DFS Channels	802.11a/n-20MHz: 15, n-40MHz: 7 802.11 802.11ac-80MHz: 4
Data Rate	802.11a: 6-54Mbps, 802.11n: up to 450Mbps 802.11ac-80MHz: up to 1733.3MHz
Channel Control	Auto
Type of Modulation	802.11a/n:OFDM, BPSK, QPSK, 16QAM, 64QAM, 256QAM
Channel Bandwidth	20/40/80MHz
DFS Function	■ Master □ Slave
TPC Function	□ <500mW not required ■ ≧ 500mW employ a TPC*
Communication Mode	■ IP Based Systems □ Frame Based System □ Other System
Antenna Gain	Refer to the table "Antenna List"

*Note: The TPC test by U-NII report.

Antenna Information			
Manufacturer	Model No.	Antenna Type	Effective Gain Per Chain [dBi]
WHA YU	C660-510389-A C660-510397-A (Without ASUS logo)	Dipole antenna	5.2GHz Gain: 1.306 dBi 5.3GHz Gain: 1.494 dBi 5.5GHz Gain: 1.474 dBi 5.8GHz Gain: 1.567 dBi
Walsin	ASC_RFDPA161300SBLB804 ASC_RFDPA161300SBLB805 ASC_RFDPA161300SBLB806 (Without ASUS logo)	Dipole antenna	5.2GHz Gain: 0.88 dBi 5.3GHz Gain: 1.029 dBi 5.5GHz Gain: 1.176 dBi 5.8GHz Gain: 1.339 dBi
WHA YU	C660-510390-A	PCB Antenna	5.2GHz Gain: 1.306 dBi 5.3GHz Gain: 1.494 dBi 5.5GHz Gain: 1.474 dBi 5.8GHz Gain: 1.567 dBi
Walsin	ASC_RFPCA302603IM5B301	PCB Antenna	5.2GHz Gain: 0.88 dBi 5.3GHz Gain: 1.029 dBi 5.5GHz Gain: 1.176 dBi 5.8GHz Gain: 1.339 dBi
Beamforming Gain	4.77 dBi		

Note: All of Dipole antenna with an ASUS logo, except the C660-510397-A and
ASC_RFDPA161300SBLB806 antenna. Please find the antenna photograph in attachment.

Accessories Information	
LAN Cable	Non-Shielded, 1.5m
LAN Cable (Mode 5) (Black flat wire)	Non-Shielded, 2m
Power Adatper 1 (Level 6)	ASUS, AD890326010-2LF I/P : 100-240V~ 50/60Hz 0.8A O/P : 19V=== 1.75A Cable Out: Non-Shielded, 2.4m
Power Adatper 2 (Level 6)	ASUS, AD890M26010-3LF I/P : 100-240V~ 50/60Hz 0.8A O/P : 19V=== 1.75A Cable Out: Non-Shielded, 2.4m
Power Adatper 3 (Level 6)	ASUS, ADP-33AW I/P : 100-240V~1A 50-60Hz O/P : 19V=== 1.75A Cable Out: Non-shielded, 2.2m

Note: Adapter 1 and adapter 2 have the same PCB layout, and adapter 1 has been tested and displayed in the report.

802.11a/n-20MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 52:	5260 MHz	Channel 56:	5280 MHz	Channel 60:	5300 MHz	Channel 64:	5320 MHz
Channel 100:	5500 MHz	Channel 104:	5520 MHz	Channel 108:	5540 MHz	Channel 112:	5560 MHz
Channel 116:	5580 MHz	Channel 120:	5600 MHz	Channel 124:	5620 MHz	Channel 128:	5640 MHz
Channel 132:	5660 MHz	Channel 136:	5680 MHz	Channel 140:	5700 MHz		

802.11n-40MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 54:	5270 MHz	Channel 62:	5310 MHz	Channel 102:	5510 MHz	Channel 110:	5550 MHz
Channel 118:	5590 MHz	Channel 126:	5630 MHz	Channel 134:	5670 MHz		

802.11ac-80MHz Center Working Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 58:	5290 MHz	Channel 106:	5530 MHz	Channel 122:	5610 MHz	Channel 138:	5690 MHz

Test Mode	Mode 1: Transmit (802.11n-20BW)
	Mode 2: Transmit (802.11ac-80BW)
	Mode 3: Transmit (802.11n-20BW)_mesh mode
	Mode 4: Transmit (802.11ac-80BW)_mesh mode

1.3. UNII Device Description

(1) The EUT operates in the following DFS band:
1. 5250-5350 MHz
2. 5470-5725 MHz

(2) The U-NII device maximum power is 26.46dBm(E.I.R.P).
Below are the available 50 ohm antenna assemblies and their corresponding gains. 0dBi gain was used to set the -63 dBm threshold level (-64dBm +1 dB) during calibration of the test setup.

Manufacturer	Model No.	Antenna Type	Effective Gain Per Chain [dBi]
WHA YU	C660-510389-A C660-510397-A (Without ASUS logo)	Dipole antenna	5.2GHz Gain: 1.306dBi 5.8GHz Gain: 1.567dBi
Walsin	ASC_RFDPA161300SBLB804 ASC_RFDPA161300SBLB805 ASC_RFDPA161300SBLB806 (Without ASUS logo)	Dipole antenna	5.2GHz Gain: 0.88dBi 5.8GHz Gain: 1.339dBi
WHA YU	C660-510390-A	PCB Antenna	5.2GHz Gain: 1.306dBi 5.8GHz Gain: 1.567dBi
Walsin	ASC_RFPCA302603IM5B301	PCB Antenna	5.2GHz Gain: 0.88dBi 5.8GHz Gain: 1.339dBi
Beamforming Gain	4.77 dBi		

(3) WLAN traffic is generated by the test software "Iperf.exe" from the Master device to the Slave device in the transfer data rate >17%.

(4) For the 5250-5350 MHz and 5470-5725 MHz bands, the Master device provides, on aggregate, uniform loading of the spectrum across all devices by selecting an operating channel among the available channels using a random algorithm.

1.4. Test Equipment

Dynamic Frequency Selection (DFS) / CTR

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Spectrum Analyzer	Agilent	N9010A-EXA	US47140172	2017/08/08
ESG Vector Signal Generator	Agilent	E4438C	MY45095759	2017/04/14

Instrument	Manufacturer	Type No.	Serial No
Laptop PC	DELL	Vostro A860	CD8BMH1
Laptop PC	ASUS	K45VD	0343G3110M
ATT (Qty: 3)	Mini-Circuits	BW-S3W2 DC-18GHz	0025
RF Cable (Qty: 6)	Schaffner		25494/6

Software	Manufacturer	Function
Agilent Signal Studio for DFS_V1.0.0	Agilent	Radar Signal Generation Software
3.0.0.4.382_9916	ASUS	FW

1.5. Test Setup
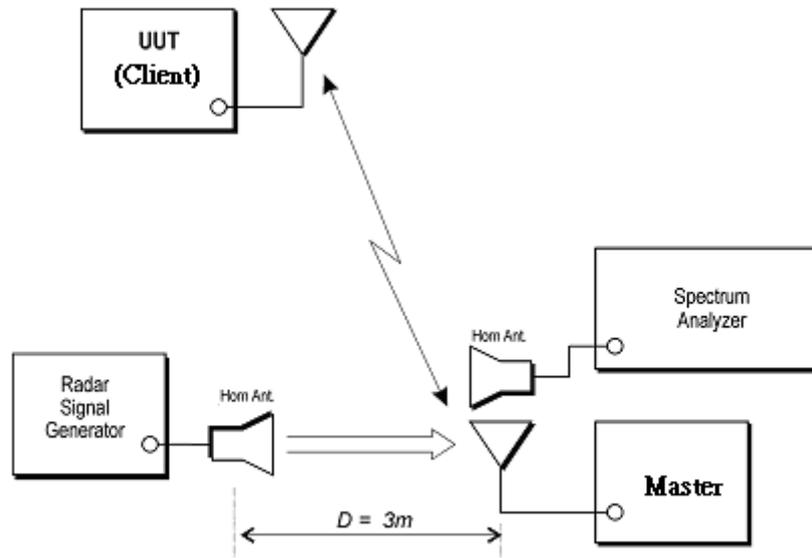
1.6. DFS Detection Thresholds

(1) Interference Threshold value, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (see note)
$\geq$ 200 milliwatt	-64dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. **Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. **Note3:** EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

(2) DFS Response requirement values

Parameter	Value
Non-Occupancy Period	Minimum 30 Minutes
Channel Availability Check Time	60 Seconds
Channel Move Time	10 Seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + approx. 60 milliseconds over remaining 10 seconds period (See Notes 1 and 2)
U-NII Detection Bandwidth	Minimum 100% of the 99% power bandwidth See Note 3.

Note 1: *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

1.7. Radar Test Waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

(1) Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	$\text{Roundup}\left\{ \begin{array}{c} \left(\dfrac{1}{360}\right) \cdot \\ \left(\dfrac{19 \cdot 10^6}{PRI_{\mu sec}}\right) \end{array} \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
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
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

(2) Long Pulse Radar Test Signal

Radar Waveform	Bursts	Number of Pulses Per Burst	Pulse Width (usec)	Chirp Width (MHz)	PRI (usec)	Minimum Percentage of Successful Detection	Minimum Trials
5	8-20	1-3	50-100	5-20	1000-2000	80%	30

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the long pulse radar test signal. If more than 30 waveforms are used for the long pulse radar test signal, then each additional waveform must also be unique and not repeated from the previous waveforms.

Each waveform is defined as follows:

1) The transmission period for the Long Pulse Radar test signal is 12 seconds.

2) There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst_Count.

3) Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.

4) The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.

5) Each pulse has a linear frequency modulated chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a transmission period will have the same chirp width. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.

6) If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.

7) The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst_Count. Each interval is of length (12,000,000 / Burst_Count) microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and [(12,000,000 / Burst_Count) – (Total Burst Length) + (One Random PRI Interval)] microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

A representative example of a Long Pulse radar test waveform:

1) The total test signal length is 12 seconds.

2) 8 Bursts are randomly generated for the Burst_Count.

3) Burst 1 has 2 randomly generated pulses.

4) The pulse width (for both pulses) is randomly selected to be 75 microseconds.

5) The PRI is randomly selected to be at 1213 microseconds.

6) Bursts 2 through 8 are generated using steps 3 – 5.

7) Each Burst is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2 through 8 randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2 falls in the 1,500,001 – 3,000,000 microsecond range).

Graphical Representation of a Long Pulse radar Test Waveform

Long Pulse Radar Test Signal Waveform
12 Second Transmission
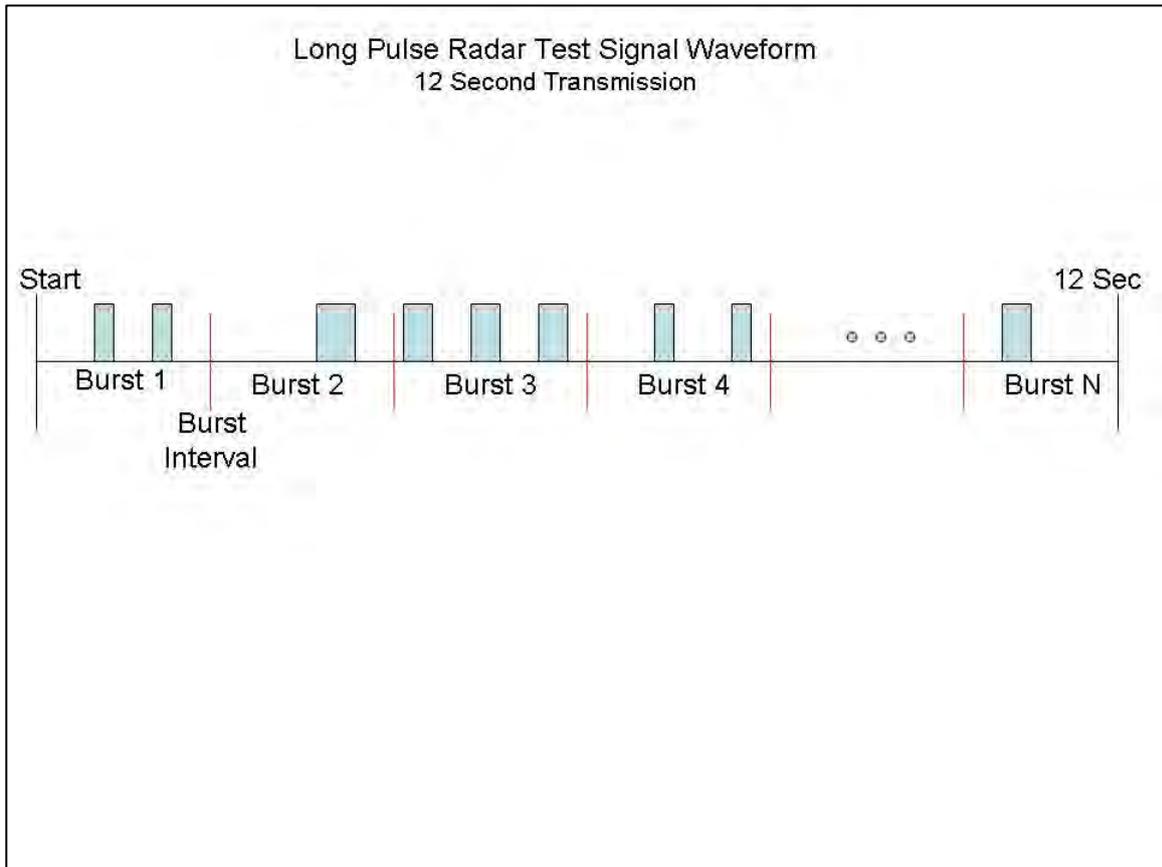
(3) Frequency Hopping Radar Test Signal

Radar Waveform	Pulse Width (μ sec)	PRI (μ sec)	Hopping Sequence Length (msec)	Pulses Per Hop	Hopping Rate (kHz)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	300	9	0.333	70%	30

For the Frequency Hopping Radar Type, the same *Burst* parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected[1] from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

1.8. Radar Waveform Calibration

The following equipment setup was used to calibrate the conducted radar waveform. A spectrum analyzer was used to establish the test signal level for each radar type. During this process there were replace 50ohm terminal from master and client device and no transmissions by either the master or client device. The spectrum analyzer was switched to the zero span (time domain) at the frequency of the radar waveform generator. Peak detection was utilized. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3MHz and 3 MHz.

The signal generator amplitude was set so that the power level measured at the spectrum analyzer was -63dBm due to the interference threshold level is not required.

Radiated Calibration Setup
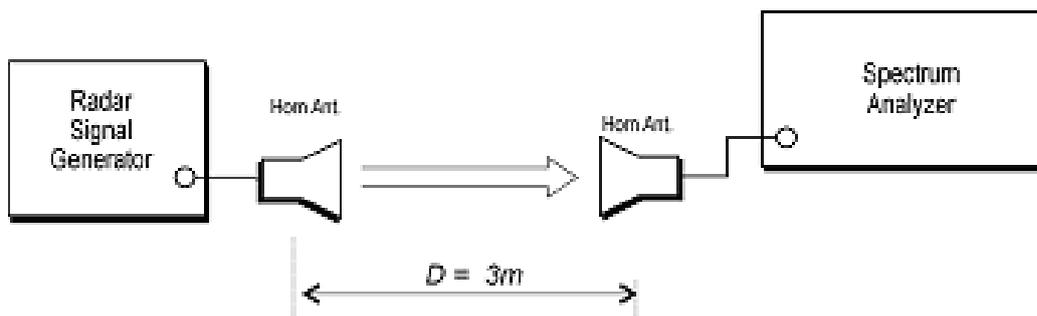
1.9.   Radar Waveform Calibration Result

Radar Type 0

Calibration Plot (5500MHz)
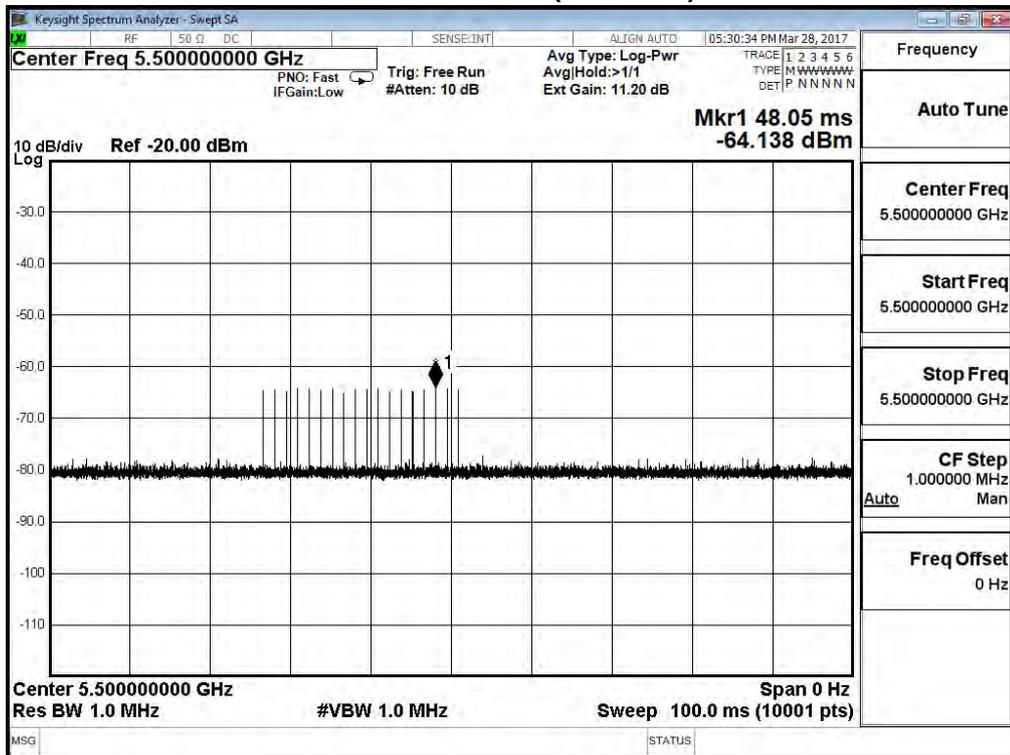
Radar Type 1

Calibration Plot (5500MHz)
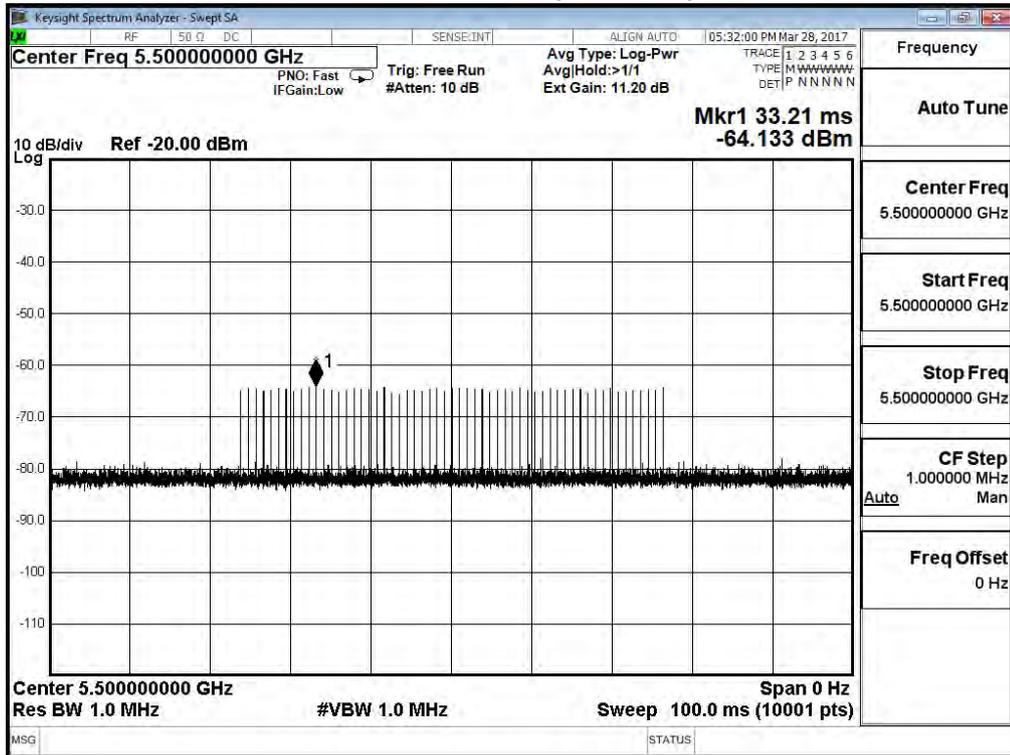
Radar Type 2

Calibration Plot (5500MHz)
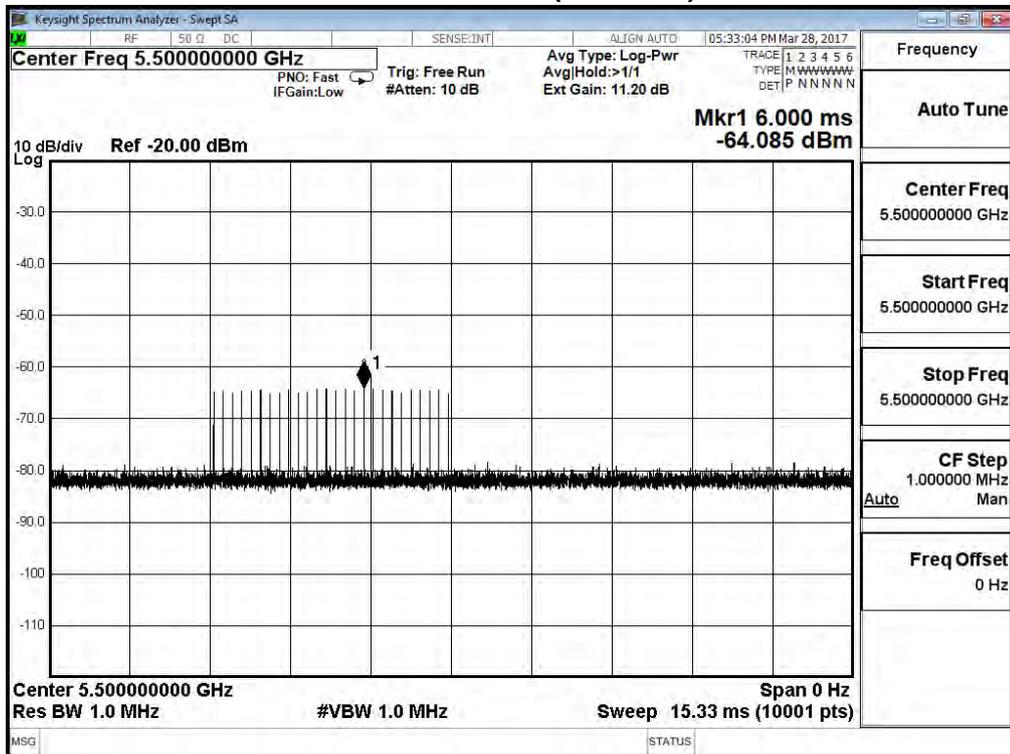
Radar Type 3

Calibration Plot (5500MHz)
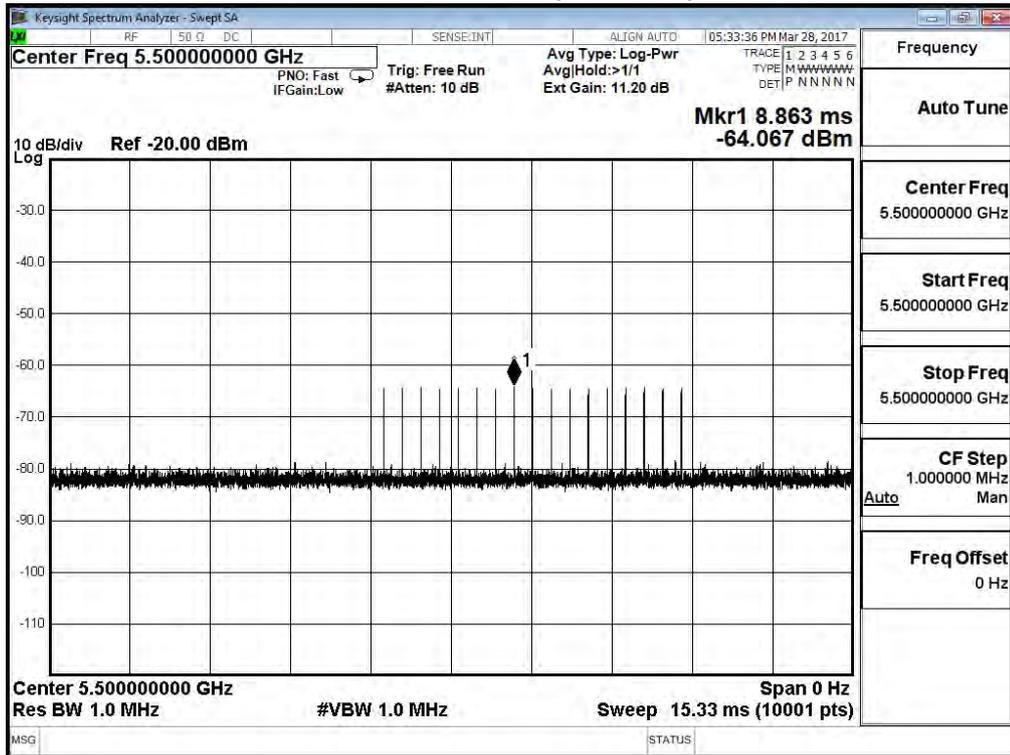
Radar Type 4

Calibration Plot (5500MHz)
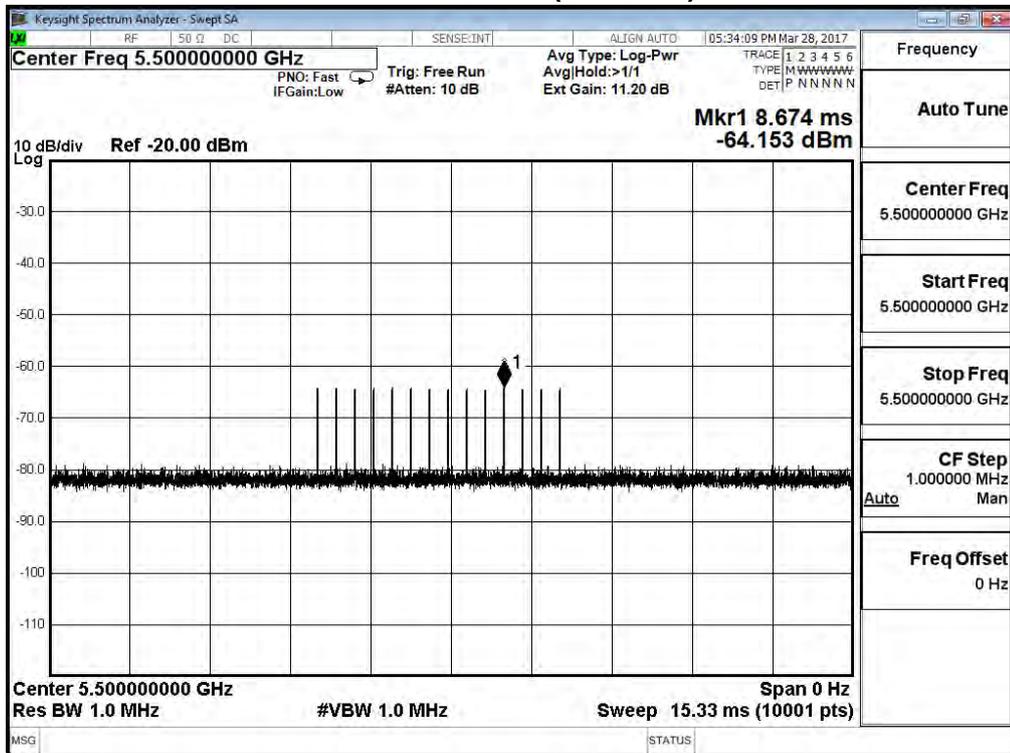
Radar Type 5

Calibration Plot (5500MHz)
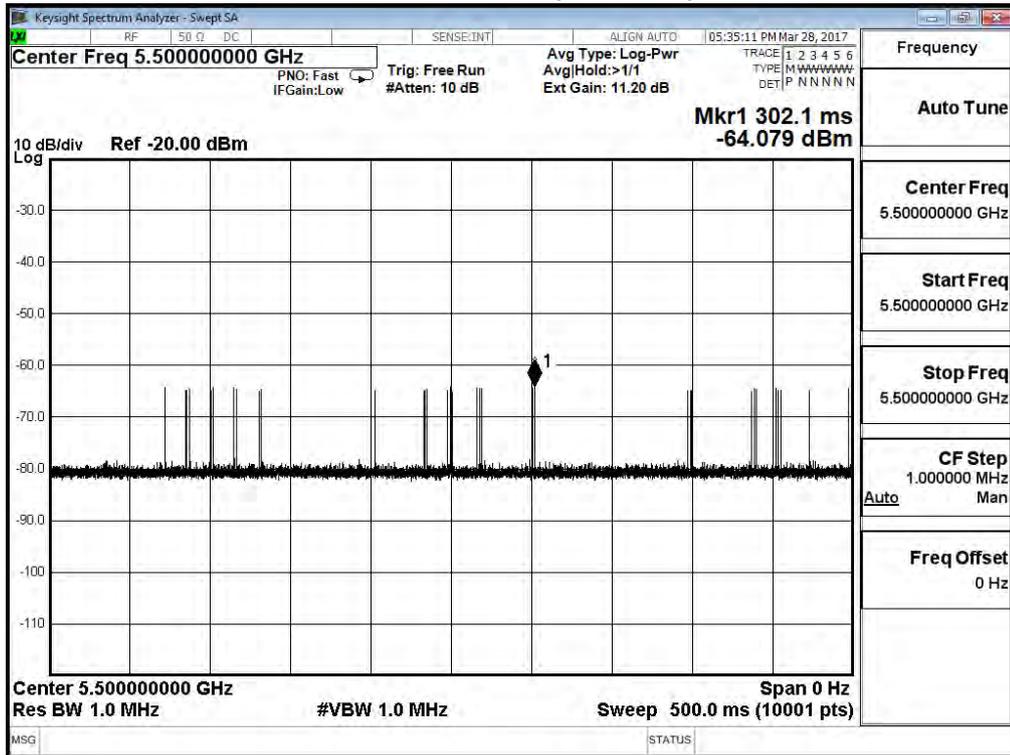
Radar Type 6

Calibration Plot (5500MHz)
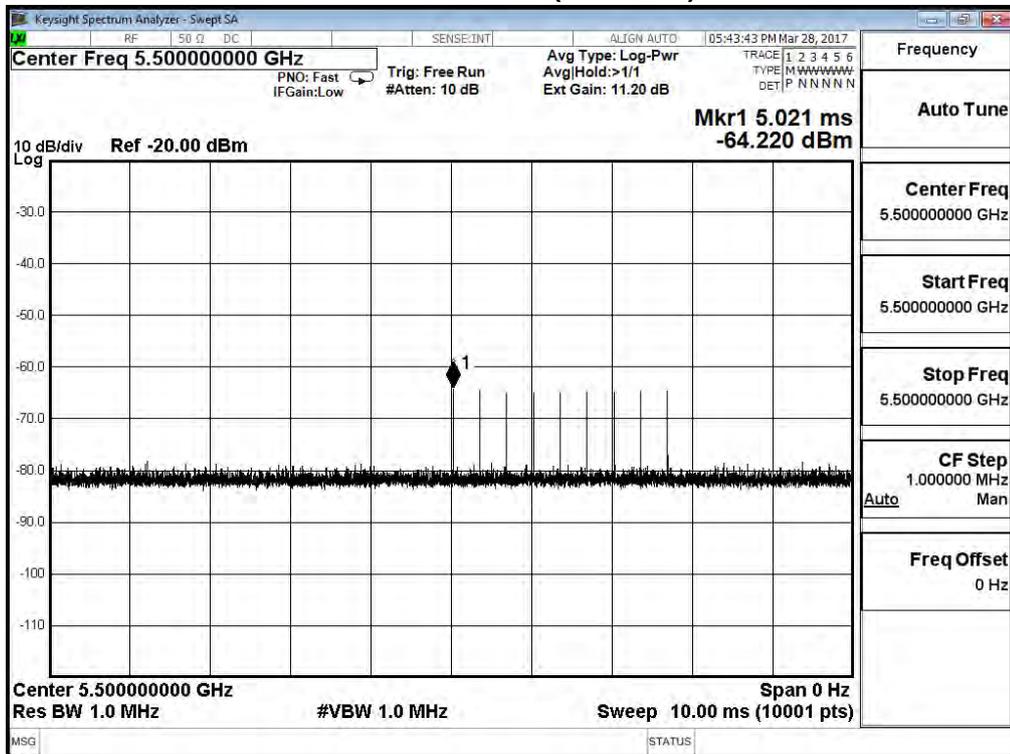
1.10.　Master Data Traffic Plot Result

Plot of WLAN Traffic at 5500MHz-20BW
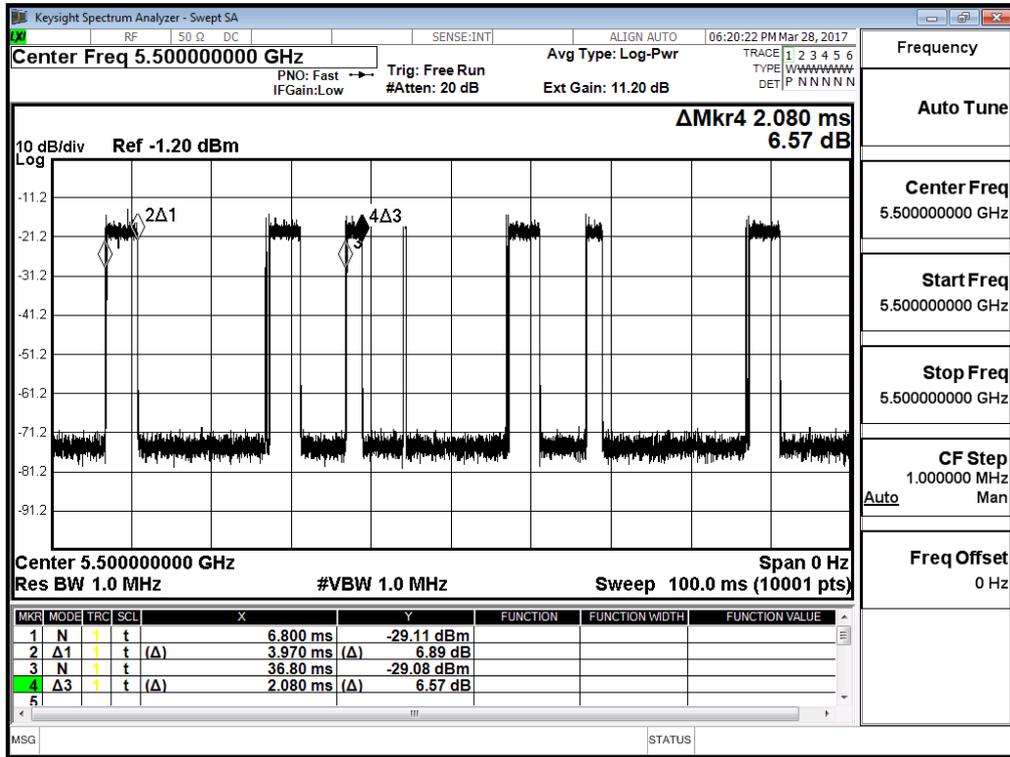
Channel loading	Requirement loading
19.76%	>17%

Plot of WLAN Traffic at 5530MHz-80BW
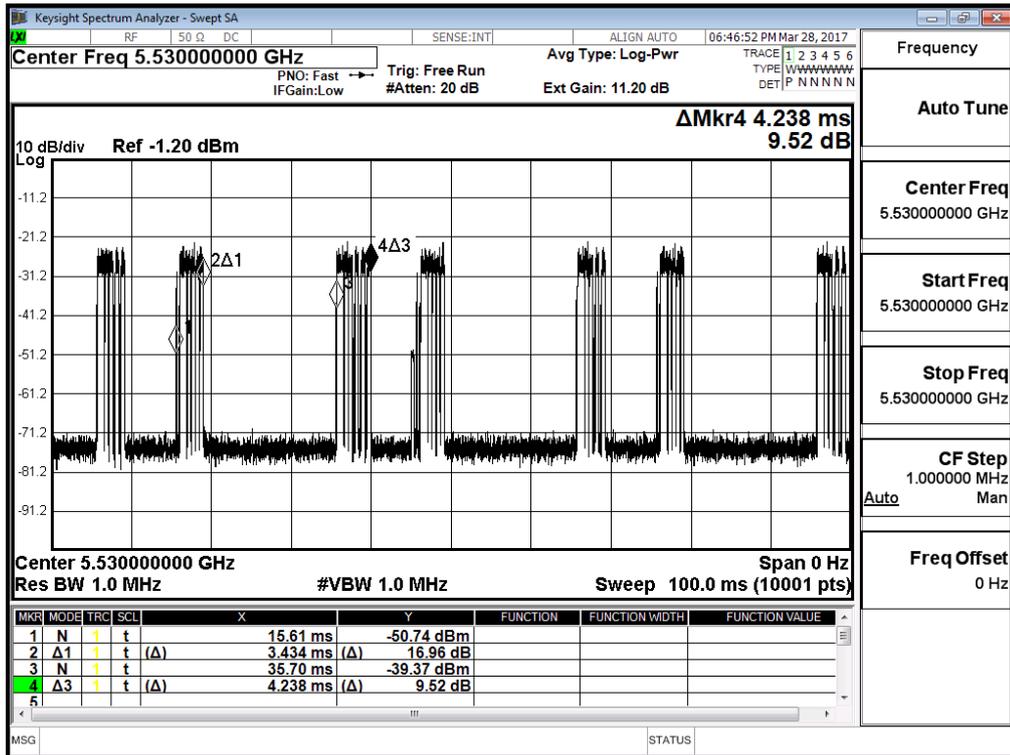
Channel loading	Requirement loading
24.04%	>17%

1.11. Master Data Traffic Plot Result (Mesh)

Plot of WLAN Traffic at 5500MHz-20BW
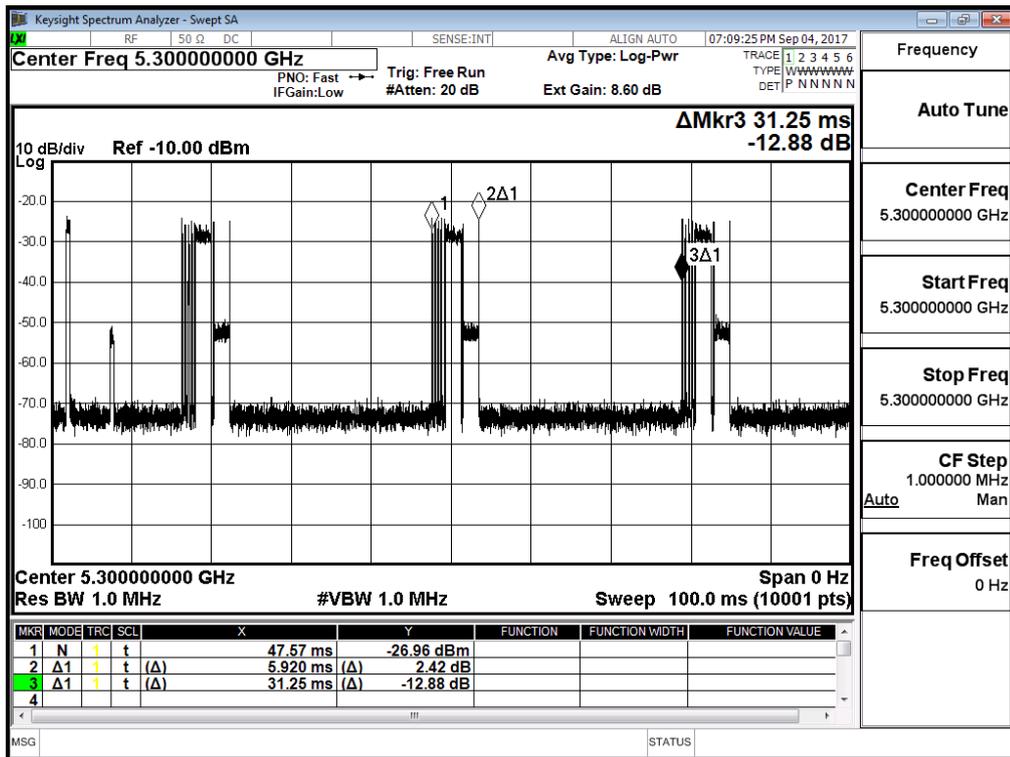
Channel loading	Requirement loading
19.76%	>17%

Plot of WLAN Traffic at 5530MHz-80BW
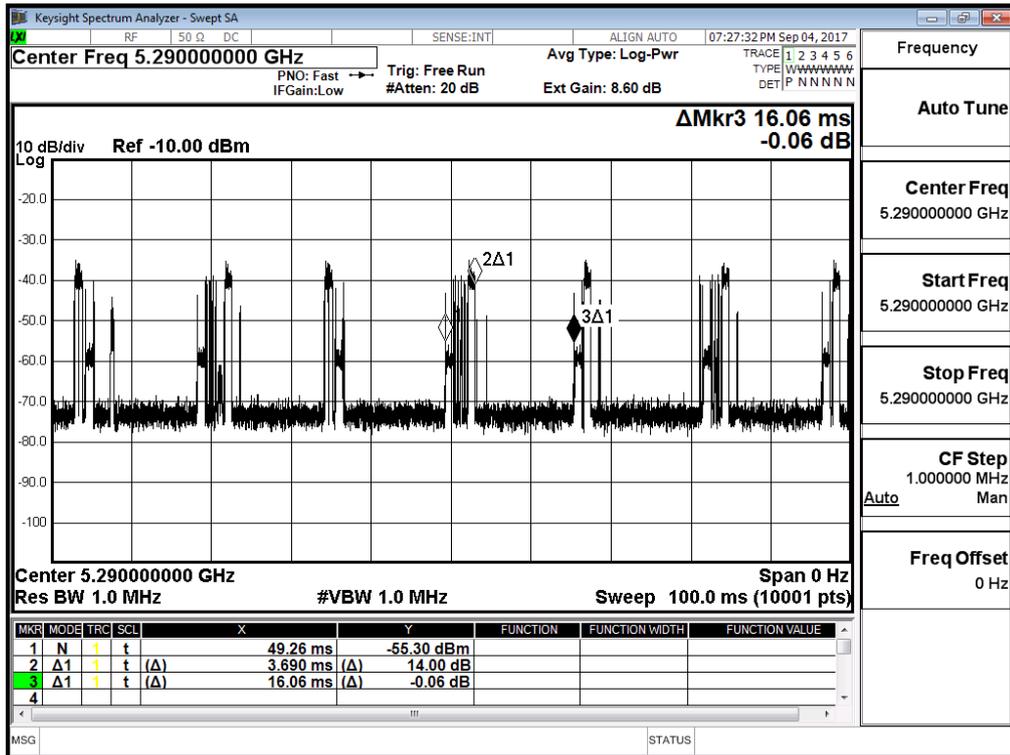
Channel loading	Requirement loading
24.04%	>17%

2. UNII Detection Bandwidth

2.1. Test Procedure

The EUT was tested according to U-NII test procedure of KDB905462 D02 for compliance to FCC 47CFR

15.407 requirements.

The generating equipment is configured as shown in the radiated Test Setup above. A single *Burst* of the short pulse radar type 0 is produced at 5300MHz and 5510 at a -63dBm level. The EUT is set up as a standalone device (no associated Client and no traffic).

A single radar Burst is generated for a minimum of 10 trials, and the response of the EUT is noted.

The EUT must detect the Radar Waveform 90% or more of the time. The radar frequency is increased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The highest frequency at which detection is greater than or equal to 90% is denoted as Fh.

The radar frequency is decreased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The lowest frequency at which detection is greater than or equal to 90% is denoted as Fl.

The U-NII Detection Bandwidth is calculated as follows:

U-NII Detection Bandwidth = $F_H - F_L$

The U-NII Detection Bandwidth must be at least 100% of the EUT transmitter 99% power, otherwise, the EUT does not comply with DFS requirements.

2.2. Test Requirement

All UNII 20/40MHz and 80MHz channels for this device have identical Channel bandwidths. All UNII 20/40/80MHz channels for this device also have identical Channel bandwidths. Therefore, all DFS testing was done at 5300MHz、5500MHz、5290MHz and 5530MHz. The 99% channel bandwidth for 20MHz signals is 17.421 MHz, and the 99% channel bandwidth for 80MHz signals is 75.952MHz.

2.3. Uncertainty

± 1ms.

802.11n-20 BW
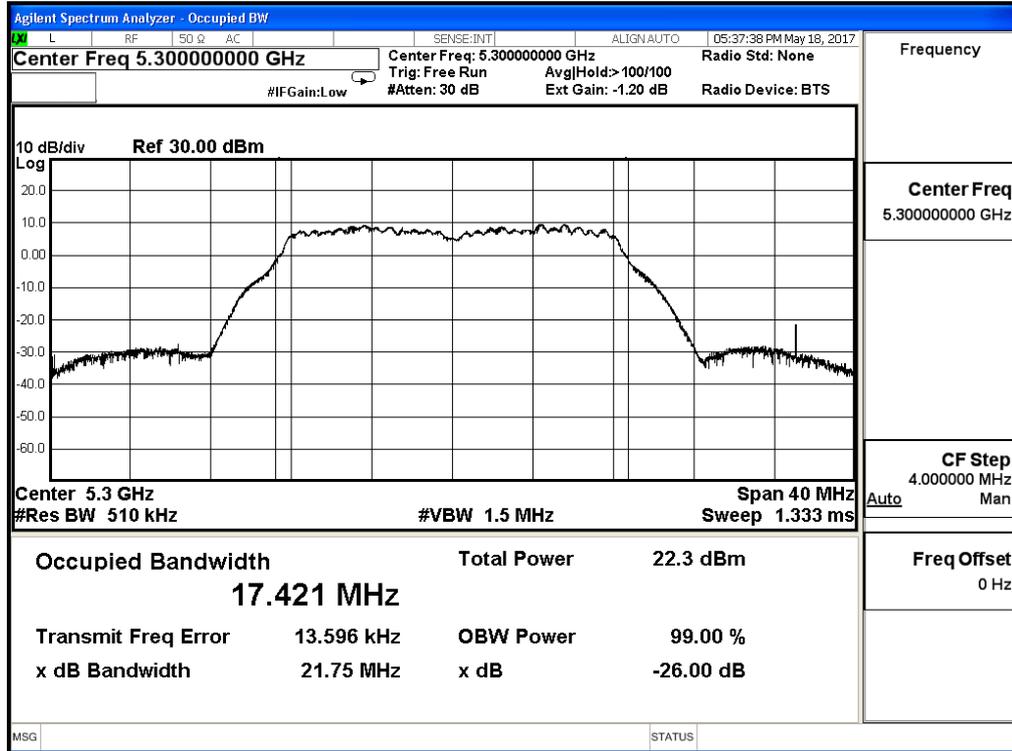
802.11ac80 BW
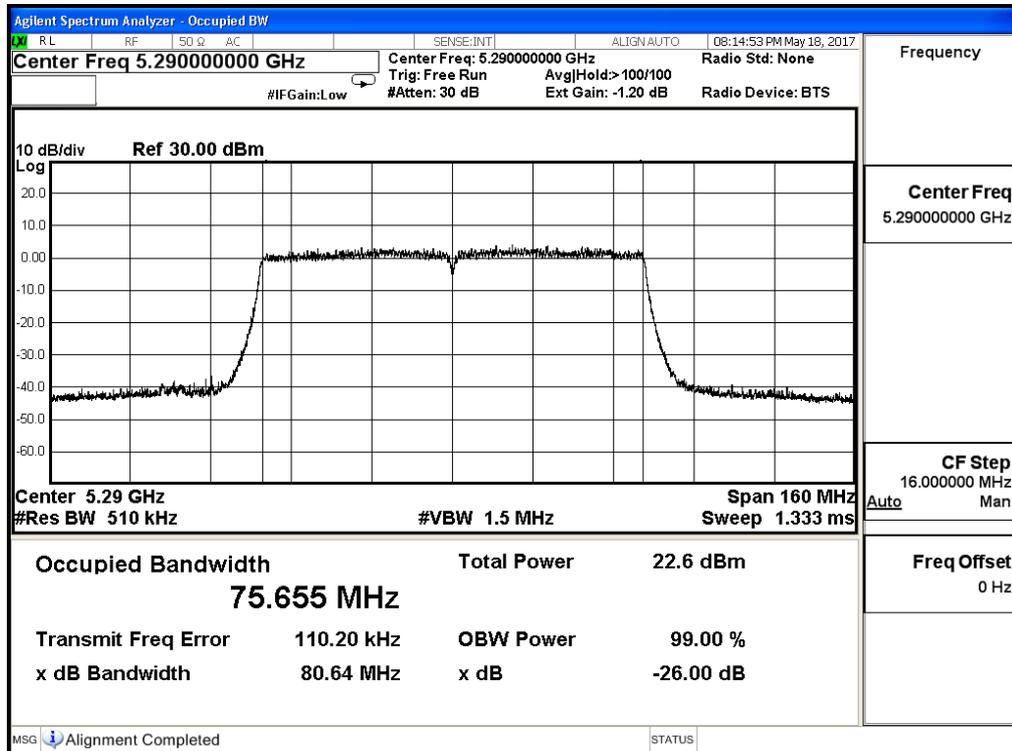
2.4.   Test Result of UNII Detection Bandwidth

Product   :   Wireless-AC2900 Dual Band Gigabit Router

Test Item   :   UNII Detection Bandwidth

Radar Type :   Type 0

Test Date   :   2017/03/14

Test Mode   :   Mode 1: Transmit (802.11n-20BW)

Test Channel: 5300MHz (n-20BW)											
Radar Frequency	**DFS Detection Trials (1= Detection, 0= No Detection)**										**Detection Rate**
(MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**(%)**
5290 (FL)	1	1	1	1	1	1	1	1	1	1	100
5291	1	1	1	1	1	1	1	1	1	1	100
5292	1	1	1	1	1	1	0	1	1	1	90
5293	1	1	1	1	1	1	1	1	1	1	100
5294	1	1	1	1	1	1	1	1	1	1	100
5295	1	1	1	1	1	1	1	1	1	1	100
5296	1	1	1	1	1	1	1	1	1	1	100
5297	1	1	1	1	1	1	1	1	1	1	100
5298	1	1	1	1	1	1	1	1	1	1	100
5299	1	1	1	1	1	1	1	1	1	1	100
5300	1	1	1	1	1	1	1	1	1	1	100
5301	1	1	1	1	1	1	1	1	1	1	100
5302	1	1	1	1	1	1	1	1	1	1	100
5303	1	1	1	1	1	1	1	1	1	1	100
5304	1	1	1	1	1	1	1	1	1	1	100
5305	1	1	1	1	1	1	1	1	1	1	100
5306	1	1	1	1	1	1	1	1	1	1	100
5307	1	1	1	1	1	1	1	1	1	1	100
5308	1	1	1	1	1	1	1	1	1	1	100
5309	1	1	1	1	1	1	1	1	1	1	100
5310 (FH)	1	1	1	1	1	1	1	1	1	1	100
Detection Bandwidth = FH - FL = 5310MHz - 5290MHz = 20MHz											
EUT 99% Bandwidth = 17.421MHz											
UNII Detection Bandwidth Min. Limit = 17.421MHz * 100% = 17.421MHz											

Product : Wireless-AC2900 Dual Band Gigabit Router

Test Item : UNII Detection Bandwidth

Radar Type : Type 0

Test Mode : Mode 2: Transmit (802.11ac-80BW)

Test Channel: 5290MHz (ac-80BW)											
Radar Frequency	DFS Detection Trials (1= Detection, 0= No Detection)										Detection Rate
(MHz)	1	2	3	4	5	6	7	8	9	10	(%)
5250 (FL)	1	1	1	1	1	1	1	1	1	1	100
5251	1	1	1	1	1	1	1	1	1	1	100
5252	1	1	1	1	1	1	1	1	1	1	100
5253	1	1	1	1	1	1	1	1	1	1	100
5254	1	1	1	1	1	1	1	1	1	1	100
5255	1	1	1	1	1	1	1	1	1	1	100
5256	1	1	1	1	1	1	1	1	1	1	100
5257	1	1	1	1	1	1	1	1	1	1	100
5258	1	1	1	1	1	1	1	1	1	1	100
5259	1	1	1	1	1	1	1	1	1	1	100
5260	1	1	1	1	1	1	1	1	1	1	100
5261	1	1	1	1	1	1	1	1	1	1	100
5262	1	1	1	1	1	1	1	1	1	1	100
5263	1	1	1	1	1	1	1	1	1	1	100
5264	1	1	1	1	1	1	1	1	1	1	100
5265	1	1	1	1	1	1	1	1	1	1	100
5266	1	1	1	1	1	1	1	1	1	1	100
5267	1	1	1	1	1	1	1	1	1	1	100
5268	1	1	1	1	1	1	1	1	1	1	100
5269	1	1	1	1	1	1	1	1	1	1	100
5270	1	1	1	1	1	1	1	1	1	1	100
5271	1	1	1	1	1	1	1	1	1	1	100
5272	1	2	3	4	5	6	7	8	9	10	100
5273	1	1	1	1	1	1	1	1	1	1	100
5274	1	1	1	1	1	1	1	1	1	1	100
5275	1	1	1	1	1	1	1	1	1	1	100
5276	1	1	1	1	1	1	1	1	1	1	100

5277	1	1	1	1	1	1	1	1	1	1	100
5278	1	1	1	1	1	1	1	1	1	1	100
5279	1	1	1	1	1	1	1	1	1	1	100
5280	1	1	1	1	1	1	1	1	1	1	100
5281	1	1	1	1	1	1	1	1	1	1	100
5282	1	1	1	1	1	1	1	1	1	1	100
5283	1	1	1	1	1	1	1	1	1	1	100
5284	1	1	1	1	1	1	1	1	1	1	100
5285	1	1	0	1	1	1	1	1	1	1	90
5286	1	1	1	1	1	1	1	1	1	1	100
5287	1	1	1	1	1	1	1	1	1	1	100
5288	1	1	1	1	1	1	1	1	1	1	100
5289	1	1	1	1	1	1	1	1	1	1	100
5290	1	1	1	1	1	1	1	1	1	1	100
5291	1	1	1	1	1	1	1	1	1	1	100
5292	1	1	1	1	1	1	1	1	1	1	100
5293	1	1	1	1	1	1	1	1	1	1	100
5294	1	1	1	1	1	1	1	1	1	1	100
5295	1	1	1	1	1	1	1	1	1	1	100
5296	1	1	1	1	1	1	1	1	1	1	100
5297	1	1	1	1	1	1	1	1	1	1	100
5298	1	1	1	1	1	1	1	1	1	1	100
5299	1	1	1	1	1	1	1	1	1	1	100
5300	1	1	1	1	1	1	1	1	1	1	100
5301	1	1	1	1	1	1	1	1	1	1	100
5302	1	1	1	1	1	1	1	1	1	1	100
5303	1	1	1	1	1	1	1	1	1	1	100
5304	1	1	1	1	1	1	1	1	1	1	100
5305	1	1	1	1	1	1	1	1	1	1	100
5306	1	1	1	1	1	1	1	1	1	1	100
5307	1	1	1	1	1	1	1	1	1	1	100
5308	1	1	1	1	1	1	1	1	1	1	100
5309	1	1	1	1	1	1	1	1	1	1	100
5310	1	1	1	1	1	1	1	1	1	1	100
5311	1	1	1	1	1	1	1	1	1	1	100
5312	1	1	1	1	1	1	1	1	1	1	100
5313	1	1	1	1	1	1	1	1	1	1	100

5314	1	1	1	1	1	1	1	1	1	1	100
5315	1	1	1	1	1	1	1	1	1	1	100
5316	1	1	1	1	1	1	1	1	1	1	100
5317	1	1	1	1	1	1	1	1	1	1	100
5318	1	1	1	1	1	1	1	1	1	1	100
5319	1	1	1	1	1	1	1	1	1	1	100
5320	1	1	1	1	1	1	1	1	1	1	100
5321	1	1	1	1	1	1	1	1	1	1	100
5322	1	1	1	1	1	1	1	1	1	1	100
5323	1	1	1	1	1	1	1	1	1	1	100
5324	1	1	1	1	1	1	1	1	1	1	100
5325	1	1	1	1	1	1	1	1	1	1	100
5326	1	1	1	1	1	1	1	1	1	1	100
5327	1	1	1	1	1	1	1	1	1	1	100
5328	1	1	1	1	1	1	1	1	1	1	100
5329	1	1	1	1	1	1	1	1	1	1	100
5330 (FH)	1	1	1	1	1	0	1	1	1	1	90

Detection Bandwidth = FH - FL = 5330MHz - 5250MHz = 80MHz

EUT 99% Bandwidth = 75.655MHz

UNII Detection Bandwidth Min. Limit = 75.655MHz X 100% =75.952MHz

Product : Wireless-AC2900 Dual Band Gigabit Router

Test Item : UNII Detection Bandwidth

Radar Type : Type 0

Test Date : 2017/08/17

Test Mode : Mode 3: Transmit (802.11n-20BW)_mesh mode

802.11n-20 BW

Test Channel: 5300MHz (n-20BW)											
Radar Frequency	**DFS Detection Trials (1= Detection, 0= No Detection)**										**Detection Rate**
(MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**(%)**
5290 (FL)	1	1	1	1	1	1	1	1	1	1	100
5291	1	1	1	0	1	1	1	1	1	1	90
5292	1	1	1	1	1	1	1	1	1	1	100
5293	1	1	1	1	1	1	1	1	1	1	100
5294	1	1	1	1	1	1	1	1	1	1	100
5295	1	1	1	1	1	1	1	1	1	1	100
5296	1	1	1	1	1	1	1	1	1	1	100
5297	1	1	1	1	1	1	1	1	1	1	100
5298	1	1	1	1	1	1	1	1	1	1	100
5299	1	1	1	1	1	1	1	1	1	1	100
5300	1	1	1	1	1	1	1	1	1	1	100
5301	1	1	1	1	1	1	1	1	1	1	100
5302	1	1	1	1	1	1	1	1	1	1	100
5303	1	1	1	1	1	1	1	1	1	1	100
5304	1	1	1	1	1	1	1	1	1	1	100
5305	1	1	1	1	1	1	1	0	1	1	90
5306	1	1	1	1	1	1	1	1	1	1	100
5307	1	1	1	1	1	1	1	1	1	1	100
5308	1	1	1	1	1	1	1	1	1	1	100
5309	1	1	1	1	1	1	1	1	1	1	100
5310 (FH)	1	1	1	1	1	1	1	1	1	1	100
Detection Bandwidth = FH - FL = 5310MHz - 5290MHz = 20MHz											
EUT 99% Bandwidth = 17.421MHz											
UNII Detection Bandwidth Min. Limit = 17.421MHz * 100% = 17.421MHz											

Product : Wireless-AC2900 Dual Band Gigabit Router

Test Item : UNII Detection Bandwidth

Radar Type : Type 0

Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Test Channel: 5290MHz (ac-80BW)											
Radar Frequency	DFS Detection Trials (1= Detection, 0= No Detection)										Detection Rate
(MHz)	1	2	3	4	5	6	7	8	9	10	(%)
5250 (FL)	1	1	1	1	1	1	0	1	1	1	90
5251	1	1	1	1	1	1	1	1	1	1	100
5252	1	1	1	1	1	1	1	1	1	1	100
5253	1	1	1	1	1	1	1	1	1	1	100
5254	1	1	1	1	1	1	1	1	1	1	100
5255	1	1	1	1	1	1	1	1	1	1	100
5256	1	1	1	1	1	1	1	1	1	1	100
5257	1	1	1	1	1	1	1	1	1	1	100
5258	1	1	1	1	1	1	1	1	1	1	100
5259	1	1	1	1	1	1	0	1	1	1	90
5260	1	1	1	1	1	1	1	1	1	1	100
5261	1	1	1	1	1	1	1	1	1	1	100
5262	1	1	1	1	1	1	1	1	1	1	100
5263	1	1	1	1	1	1	1	1	1	1	100
5264	1	1	1	1	1	1	1	1	1	1	100
5265	1	1	1	1	1	1	1	1	1	1	100
5266	1	1	1	1	1	1	1	1	1	1	100
5267	1	1	1	1	1	1	1	1	1	1	100
5268	1	1	1	1	1	1	1	1	1	1	100
5269	1	1	1	1	1	1	1	1	1	1	100
5270	1	1	1	1	1	1	1	1	1	1	100
5271	1	1	1	1	1	1	1	1	1	1	100
5272	1	1	1	1	1	1	1	1	1	1	100
5273	1	1	1	1	1	1	1	1	1	1	100
5274	1	1	1	1	1	1	1	1	1	1	100
5275	1	1	1	1	1	1	1	1	1	1	100
5276	1	1	1	1	1	1	1	1	1	1	100

5277	1	1	1	1	1	1	1	1	1	1	100
5278	1	1	1	1	1	1	1	1	1	1	100
5279	1	1	1	1	1	1	1	1	1	1	100
5280	1	1	1	1	1	1	1	1	1	1	100
5281	1	1	1	1	1	1	1	1	1	1	100
5282	1	1	1	1	1	1	1	1	1	1	100
5283	1	1	1	1	1	1	1	1	1	1	100
5284	1	1	1	1	1	1	1	1	1	1	100
5285	1	1	1	1	1	1	0	1	1	1	90
5286	1	1	1	1	1	1	1	1	1	1	100
5287	1	1	1	1	1	1	1	1	1	1	100
5288	1	1	1	1	1	1	1	1	1	1	100
5289	1	1	1	1	1	1	1	1	1	1	100
5290	1	1	1	1	1	1	1	1	1	1	100
5291	1	1	1	1	1	1	1	1	1	1	100
5292	1	1	1	1	1	1	1	1	1	1	100
5293	1	1	1	1	1	1	1	1	1	1	100
5294	1	1	1	1	1	1	1	1	1	1	100
5295	1	1	1	1	1	1	1	1	1	1	100
5296	1	1	1	1	1	1	1	1	1	1	100
5297	1	1	1	1	1	1	1	1	1	1	100
5298	1	1	1	1	1	1	1	1	1	1	100
5299	1	1	1	1	1	1	1	1	1	1	100
5300	1	1	1	1	1	1	1	1	1	1	100
5301	1	1	1	1	1	1	1	1	1	1	100
5302	1	1	1	1	1	1	1	1	1	1	100
5303	1	1	1	1	1	1	1	1	1	1	100
5304	1	1	1	1	1	1	1	1	1	1	100
5305	1	1	1	1	1	1	1	1	1	1	100
5306	1	1	1	1	1	1	1	1	1	1	100
5307	1	1	1	1	1	1	1	1	1	1	100
5308	1	1	1	1	1	1	0	1	1	1	100
5309	1	1	1	1	1	1	1	1	1	1	100
5310	1	1	1	1	1	1	1	1	1	1	100
5311	1	1	1	1	1	1	1	1	1	1	100
5312	1	1	1	1	1	1	1	1	1	1	100
5313	1	1	1	1	1	1	1	1	1	1	100

5314	1	1	1	1	1	1	1	1	1	1	100
5315	1	1	1	1	1	1	1	1	1	1	100
5316	1	1	1	1	1	1	1	1	1	1	100
5317	1	1	1	1	1	1	1	0	1	1	90
5318	1	1	1	1	1	1	1	1	1	1	100
5319	1	1	1	1	1	1	1	1	1	1	100
5320	1	1	1	1	1	1	1	1	1	1	100
5321	1	1	1	1	1	1	1	1	1	1	100
5322	1	1	1	1	1	1	1	1	1	1	100
5323	1	1	1	1	1	1	1	1	1	1	100
5324	1	1	1	1	1	1	1	1	1	1	100
5325	1	1	1	1	1	1	1	1	1	1	100
5326	1	1	0	1	1	1	1	1	1	1	90
5327	1	1	1	1	1	1	1	1	1	1	100
5328	1	1	1	1	1	1	1	1	1	1	100
5329	1	1	1	1	1	1	1	1	1	1	100
5330 (FH)	1	1	1	1	1	1	1	1	1	1	100
Detection Bandwidth = FH - FL = 5330MHz - 5250MHz = 80MHz											
EUT 99% Bandwidth = 75.952MHz											
UNII Detection Bandwidth Min. Limit =75.952MHz X 100% =75.952MHz											

3. Initial Channel Availability Check Time

3.1. Test Procedure

The EUT was tested according to U-NII test procedure of KDB905462 D02 for compliance to FCC 47CFR 15.407 requirements.

The U-NII device is powered on and instructed to operate at 5300/5510 MHz and 5530MHz. At the same time the UUT is powered on, the spectrum analyzer is set to zero span mode with a 3 MHz resolution bandwidth at 5300/5510 MHz and 5530MHz with a 2.5minute sweep time. The analyzer's sweep will be started the same time power is applied to the U-NII device.

The EUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.

The initial power up time of the EUT is indicated by marker1 in the plot, Initial beacons/data transmissions are indicated by marker 1R.

3.2. Test Requirement

The EUT shall perform a channel availability check to ensure that there is no radar operation on the channel, after power-up sequence, receiver at least 1 minute on the intended operation frequency.

3.3. Uncertainty

± 1ms.

3.4.   Test Result of Initial Channel Availability Check Time

Product   :   Wireless-AC2900 Dual Band Gigabit Router

Test Item   :   Initial Channel Availability Check Time

Radar Type :   Type 1

Test Mode   :   Mode 2: Transmit (802.11ac-80BW)

The EUT does not transmit any beacon or data transmission until at least 1 minute after the completion of the power-on cycle (81.71 sec). The initial power up time of the EUT is indicated by Marker 2 (81.71 sec) – CAC (60 sec). Initial beacons/data transmission is indicated by Marker 1 (21.71 sec)
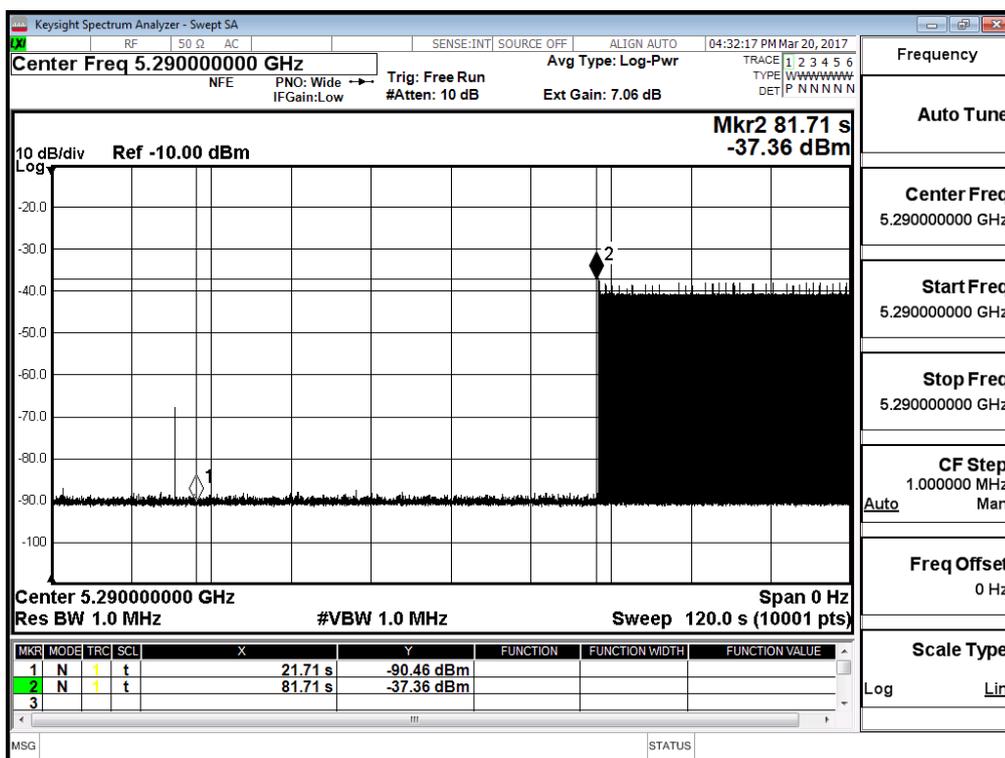
4. Radar Burst at the Beginning of the Channel Availability Check Time

4.1. Test Procedure

The EUT was tested according to U-NII test procedure of KDB905462 D02 for compliance to FCC 47CFR 15.407 requirements.

The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB (-63dBm) occurs at the beginning of the Channel Availability Check Time.

The EUT is powered on at T0. T1 denotes the instant when the EUT has completed its power-up

sequence. The Channel Availability Check Time commences at instant T1 and will end no sooner than T1 + 60 seconds.

A single Burst of short pulse of radar type 1 at -63dBm will commence within a 6 second window starting at T1.

Visual indication on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions at 5300MHz/5510MHz and 5630MHz will continue for 2.5 minutes after the radar Burst, Verify that during the 2.5 minute measurement window no EUT transmissions occurred at 5300MHz/5510MHz and 5630MHz.

4.2. Test Requirement

In beginning of the Channel Availability Check (CAC) Time, radar is detected on this channel, select another intended channel and perform a CAC that channel.

4.3. Uncertainty

± 1ms.

4.4. Test Result of Radar Burst at the Beginning of the Channel Availability Check Time

Product : Wireless-AC2900 Dual Band Gigabit Router

Test Item : Radar Burst at the Beginning of the Channel Availability Check Time

Radar Type : Type 0

Test Mode : Mode 2: Transmit (802.11ac-80BW)
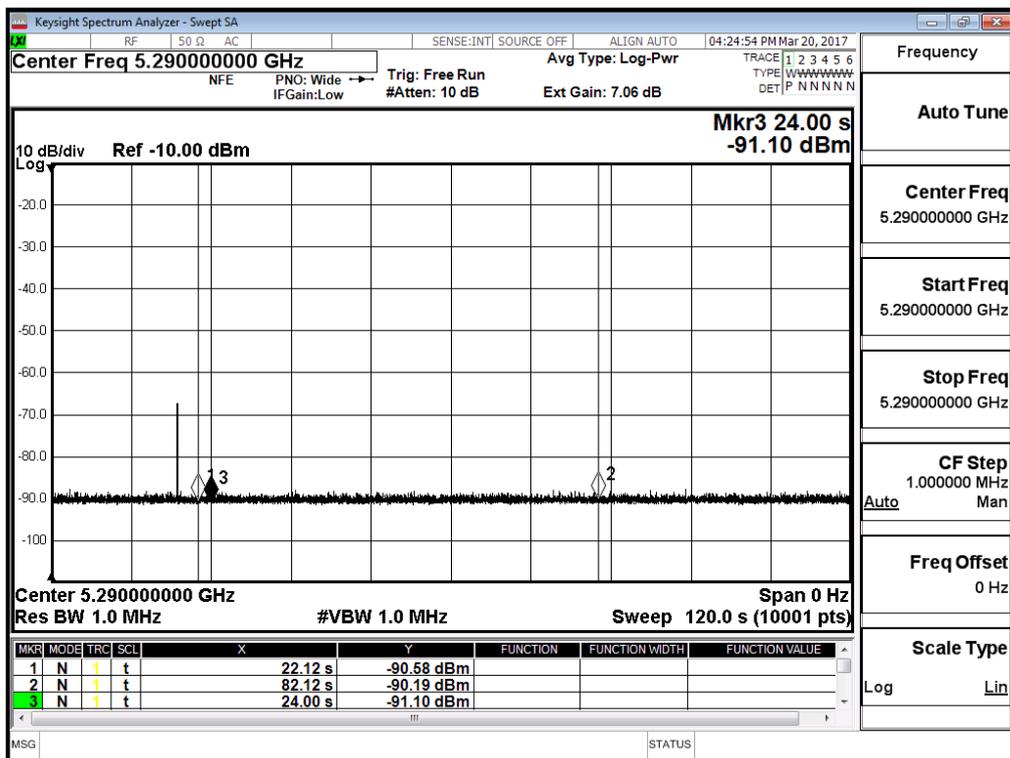
5. Radar Burst at the End of the Channel Availability Check Time

5.1. Test Procedure

The EUT was tested according to U-NII test procedure of KDB905462 D02 for compliance to FCC 47CFR 15.407 requirements.

The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB (-63dBm) occurs at the end of the Channel Availability Check Time.

The UUT is powered on at T_0. T_1 denotes the instant when the UUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T1 and will end no sooner than T_1 + 60 seconds. A single Burst of short pulse of radar type 1 at -63 dBm will commence within a 6 second window starting at T_1+ 54 seconds.

Visual indication on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions at 5300MHz/5510MHz and 5630MHz will continue for 2.5 minutes after the radar Burst

has been generated.

Verify that during the 2.5 minute measurement window no UUT transmissions occurred at 5300MHz /5510MHz and 5630MHz.

5.2. Test Requirement

In the end of Channel Availability Check (CAC) Time, radar is detected on this channel, select another intended channel and perform a CAC that channel.

5.3. Uncertainty

± 1ms.

5.4. Test Result of Radar Burst at the End of the Channel Availability Check Time

Product : Wireless-AC2900 Dual Band Gigabit Router

Test Item : Radar Burst at the End of the Channel Availability Check Time

Radar Type : Type 0

Test Mode : Mode 2: Transmit (802.11ac-80BW)
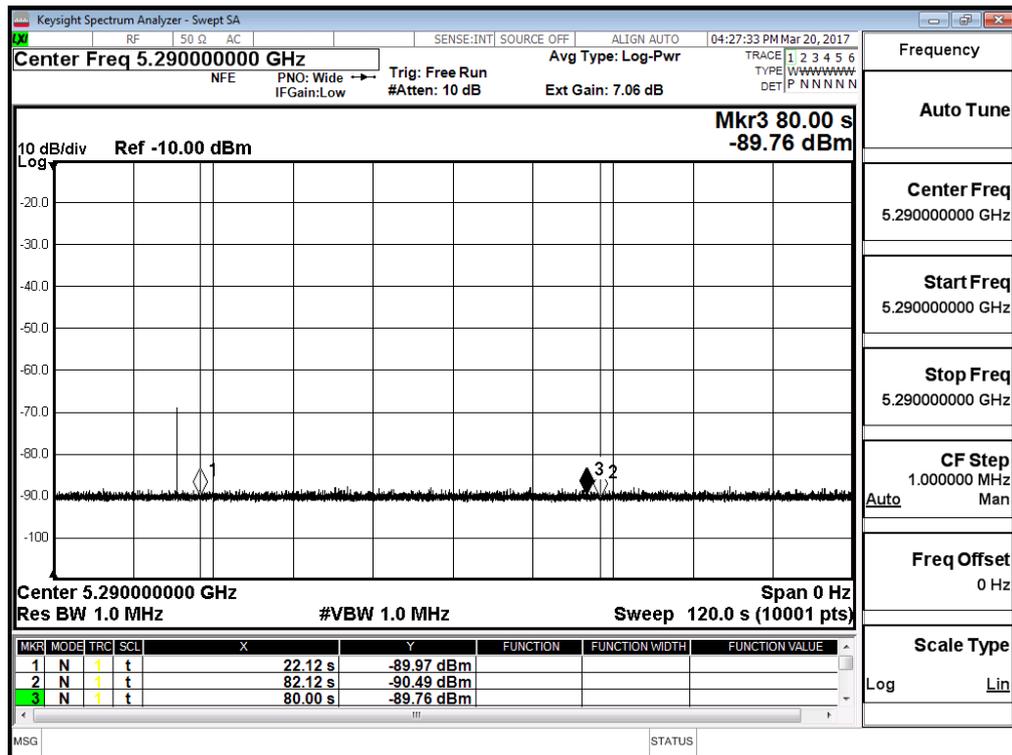
6. In-Service Monitoring for Channel Move Time and Channel Closing Transmission Time and Non-Occupancy Period

6.1. Test Procedure

The EUT was tested according to U-NII test procedure of KDB905462 D02 for compliance to FCC 47CFR 15.407 requirements.

These tests define how the following DFS parameters are verified during In-Service Monitoring;

Channel Closing Transmission Time, Channel Move Time, and Non-Occupancy Period.. The steps below define the procedure to determine the above mentioned parameters when a radar Burst with a level equal to the DFS Detection Threshold + 1dB (-63dBm) is generated on the Operating Channel of the U-NII device.

A U-NII device operating as a Client Device will associate with the UUT (Master) at 5300MHz/ 5510MHz and 5630MHz..

Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test.

At time T0 the Radar Waveform generator sends a Burst of pulses for each of the radar types at

-63dBm.

Observe the transmissions of the UUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). Compare the Channel Move Time and Channel Closing

Transmission Time results to the limits defined in the DFS Response requirement values table.

Measure the UUT for more than 30 minutes following the channel close/move time to verify that the UUT does not resume any transmissions on this Channel.

6.2.   Test Requirement

Parameter	Value
Channel Move Time	10 Seconds
Channel Closing Transmission Time	200 milliseconds + approx. 60 milliseconds over remaining 10 seconds period
Non-Occupancy Period	Minimum 30 minutes

6.3.   Uncertainty

± 1ms.

6.4. **Test Result of Channel Move Time and Channel Closing Transmission Time and Non-Occupancy Period**

Product   : Wireless-AC2900 Dual Band Gigabit Router

Test Item   : Channel Move Time

Radar Type : Type 0

Test Mode   : Mode 2: Transmit (802.11ac-80BW)

Channel Move Time for Radar Test Type 0 at 5290MHz
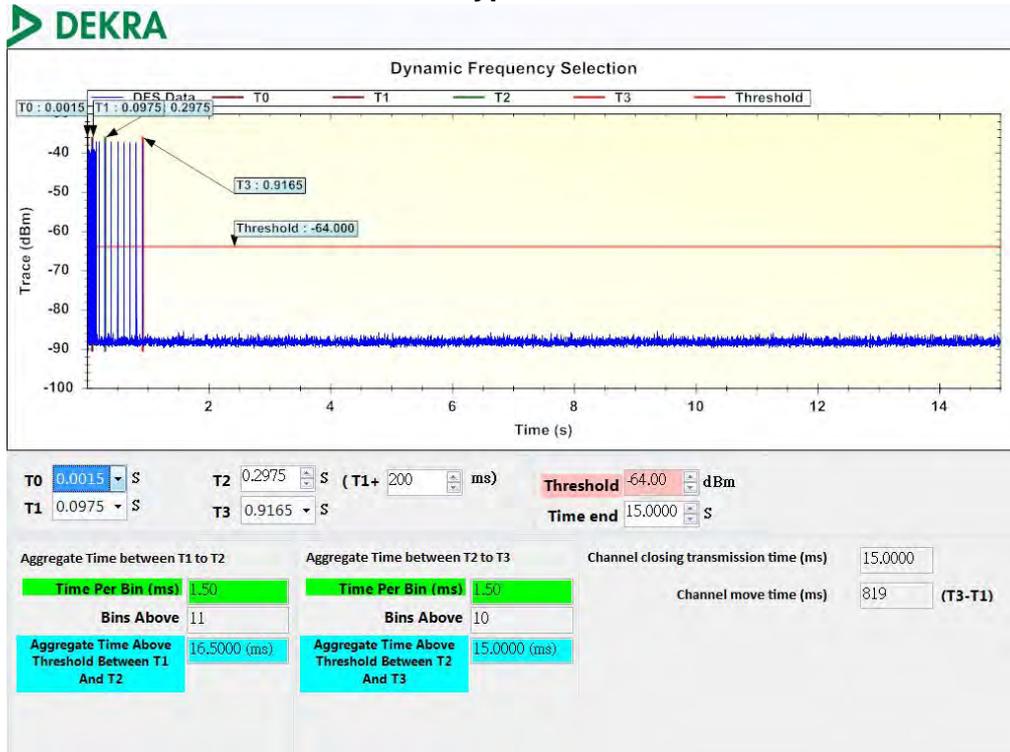
Test Item	Test Result (Sec)	Limit (Sec)
Channel Move Time	0.819	10

The results showed that after radar signal injected the channel move time was less than 10 seconds.

Product : Wireless-AC2900 Dual Band Gigabit Router

Test Item : Channel Closing Transmission Time Test

Radar Type : Type 0

Test Mode : Mode 2: Transmit (802.11ac-80BW)

Channel Closing Transmission Time for Radar Test Type 0 at 5290 MHz

Test Item	Test Result (ms)	Limit (ms)
Channel Closing Transmission	15	200 milliseconds + approx. 60 milliseconds over remaining 10 seconds period

The results showed that after radar signal injected the channel transmission closing time less than 200

milliseconds and an aggregate of no more than 60 milliseconds.

Product : Wireless-AC2900 Dual Band Gigabit Router

Test Item : Channel Move Time

Radar Type : Type 0

Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Channel Move Time for Radar Test Type 0 at 5290MHz
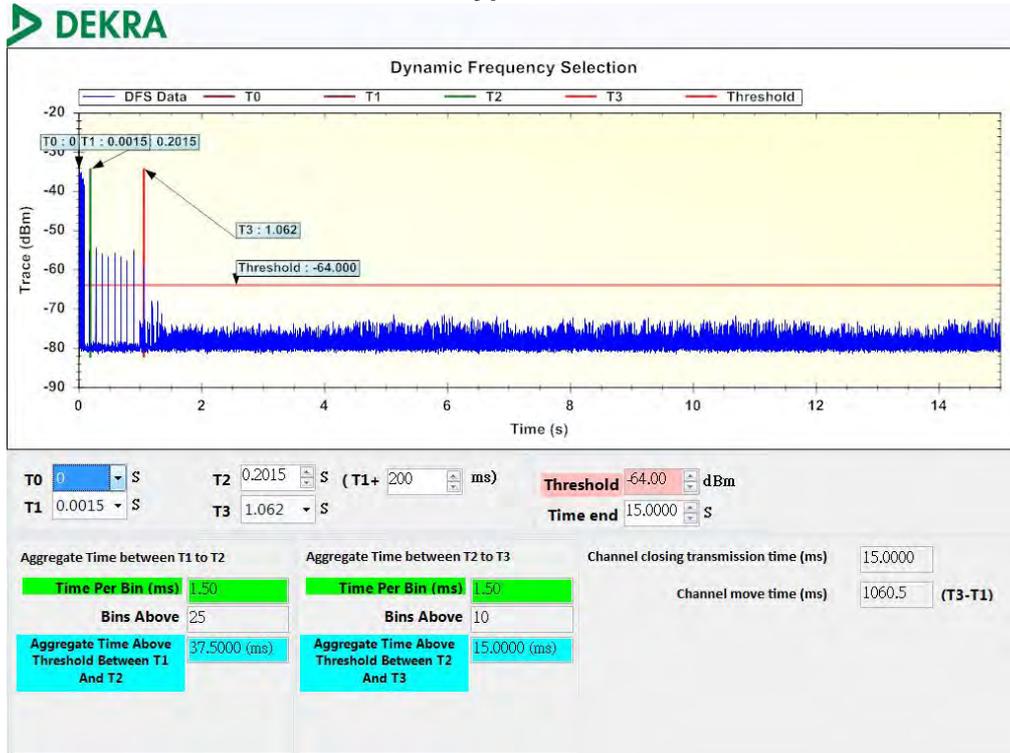
Test Item	Test Result (Sec)	Limit (Sec)
Channel Move Time	1.0605	10

The results showed that after radar signal injected the channel move time was less than 10 seconds.

Product : Wireless-AC2900 Dual Band Gigabit Router

Test Item : Channel Closing Transmission Time Test

Radar Type : Type 0

Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Channel Closing Transmission Time for Radar Test Type 0 at 5290 MHz

Test Item	Test Result (ms)	Limit (ms)
Channel Closing Transmission	15	200 milliseconds + approx. 60 milliseconds over remaining 10 seconds period

The results showed that after radar signal injected the channel transmission closing time less than 200

milliseconds and an aggregate of no more than 60 milliseconds.

Product : Wireless-AC2900 Dual Band Gigabit Router

Test Item : Non-Occupancy Period

Radar Type : Type 0

Test Mode : Mode 2: Transmit (802.11ac-80BW)

Non-Occupancy Period at 5290 MHz

Test Item	Test Result (Minutes)	Limit (Minutes)
Non-Occupancy Period	>30	>30

*No EUT transmissions were observed on the test channel during 30 minutes observation time.

Product	:	Wireless-AC2900 Dual Band Gigabit Router
Test Item	:	Non-Occupancy Period
Radar Type	:	Type 0
Test Mode	:	Mode 4: Transmit (802.11ac-80BW)_mesh mode

Non-Occupancy Period at 5290 MHz
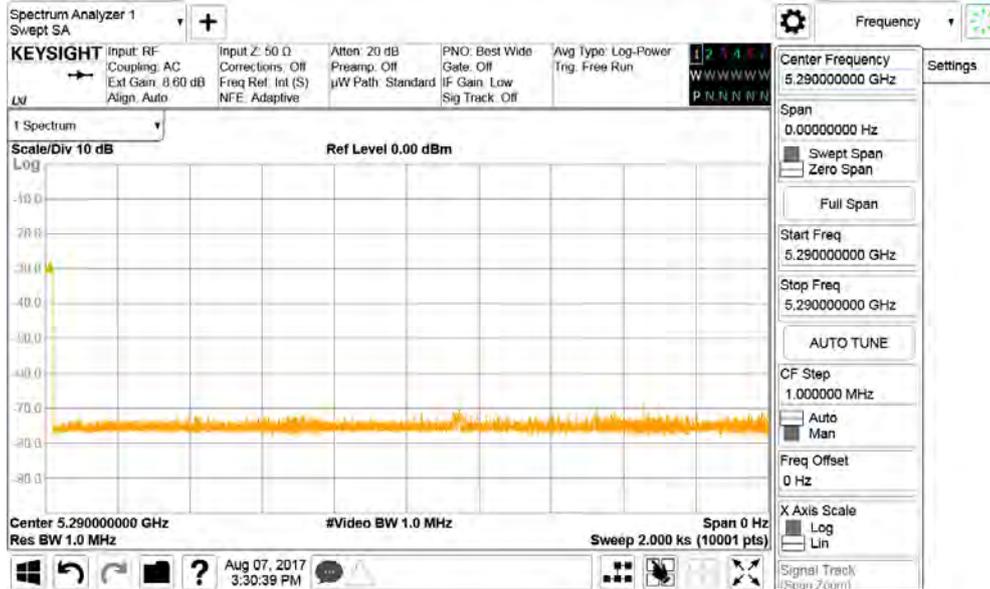
Test Item	Test Result (Minutes)	Limit (Minutes)
Non-Occupancy Period	>30	>30

*No EUT transmissions were observed on the test channel during 30 minutes observation time.

7. Statistical Performance Check

7.1. Test Procedure

The EUT was tested according to U-NII test procedure of KDB905462 D02 for compliance to FCC 47CFR 15.407 requirements.

The steps below define the procedure to determine the minimum percentage of detection when a radar burst with a level equal to the DFS Detection Threshold + 1dB (-63dBm) is generated on the

Operating Channel of the U-NII device.

A U-NII device operating as a Client Device will associate with the UUT (Master) at5300MHz 、5510MHz and 5630MHz..

Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test.

The Radar Waveform generator sends the individual waveform for each of the radar types 1-6 at

-63dbm. Statistical data will be gathered to determine the ability of the device to detect the radar test waveforms. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.

7.2. Test Requirement

The minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Minimum percentage of successful detections

Radar Type	Minimum Percentage of Successful Detection	Minimum Number of Trials
1	60%	30
2	60%	30
3	60%	30
4	60%	30
Aggregate (Radar Types 1-4)	80%	120
5	80%	30
6	70%	30

The percentage of successful detection is calculated by:

$$\frac{TotalWaveformDetections}{TotalWaveformTrials} \times 100 \quad =\text{Probability of Detection Radar Waveform}$$

In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows:

$$\frac{P_d1 + P_d2 + P_d3 + P_d4}{4}$$

7.3. Uncertainty

± 1ms.

7.4. Test Result of Statistical Performance Check

Product   : **Wireless-AC2900 Dual** Band Gigabit Router
Test Item   : Statistical Performance Check
Radar Type   : Type 1
Test Date   : 2017/03/14
Test Mode   : Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	1	538	99	1
2	5300	1	938	57	1
3	5300	1	758	70	1
4	5300	1	3066	18	1
5	5300	1	818	65	1
6	5300	1	598	89	1
7	5300	1	778	68	1
8	5300	1	518	102	1
9	5300	1	898	59	1
10	5300	1	838	63	1
11	5300	1	738	72	1
12	5300	1	638	83	1
13	5300	1	878	61	1
14	5300	1	718	74	1
15	5300	1	698	76	1
16	5300	1	568	93	1
17	5300	1	2696	20	1
18	5300	1	1381	39	1
19	5300	1	1409	38	1
20	5300	1	2051	26	1
21	5300	1	1249	43	1
22	5300	1	1806	30	0
23	5300	1	1007	53	1
24	5300	1	2814	19	1
25	5300	1	2356	23	1
26	5300	1	730	73	1
27	5300	1	2387	23	1
28	5300	1	1647	33	1
29	5300	1	2991	18	1
30	5300	1	2984	18	1
Detection Percentage(%)					96.6%

Product   :   Wireless-AC2900 Dual Band Gigabit Router
Test Item   :   Statistical Performance Check
Radar Type   :   Type 1
Test Date   :   2017/03/14
Test Mode   :   Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5500	1	538	99	1
2	5500	1	938	57	1
3	5500	1	758	70	1
4	5500	1	3066	18	1
5	5500	1	818	65	1
6	5500	1	598	89	1
7	5500	1	778	68	1
8	5500	1	518	102	1
9	5500	1	898	59	1
10	5500	1	838	63	1
11	5500	1	738	72	1
12	5500	1	638	83	1
13	5500	1	878	61	1
14	5500	1	718	74	1
15	5500	1	698	76	1
16	5500	1	568	93	1
17	5500	1	2696	20	1
18	5500	1	1381	39	1
19	5500	1	1409	38	1
20	5500	1	2051	26	1
21	5500	1	1249	43	1
22	5500	1	1806	30	1
23	5500	1	1007	53	0
24	5500	1	2814	19	1
25	5500	1	2356	23	1
26	5500	1	730	73	1
27	5500	1	2387	23	1
28	5500	1	1647	33	1
29	5500	1	2991	18	1
30	5500	1	2984	18	1
Detection Percentage(%)					96.6%

Product   :   **Wireless-AC2900 Dual** Band Gigabit Router
Test Item   :   Statistical Performance Check
Radar Type   :   Type 1
Test Date   :   2017/03/14
Test Mode   :   Mode 2: Transmit (802.11ac-80BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5290	1	538	99	1
2	5290	1	938	57	1
3	5290	1	758	70	1
4	5290	1	3066	18	1
5	5290	1	818	65	1
6	5290	1	598	89	1
7	5290	1	778	68	1
8	5290	1	518	102	1
9	5290	1	898	59	1
10	5290	1	838	63	1
11	5290	1	738	72	1
12	5290	1	638	83	1
13	5290	1	878	61	1
14	5290	1	718	74	1
15	5290	1	698	76	1
16	5290	1	568	93	1
17	5290	1	2696	20	1
18	5290	1	1381	39	1
19	5290	1	1409	38	1
20	5290	1	2051	26	1
21	5290	1	1249	43	1
22	5290	1	1806	30	0
23	5290	1	1007	53	1
24	5290	1	2814	19	1
25	5290	1	2356	23	1
26	5290	1	730	73	1
27	5290	1	2387	23	1
28	5290	1	1647	33	1
29	5290	1	2991	18	1
30	5290	1	2984	18	1
Detection Percentage(%)					96.6%

Product   :   Wireless-AC2900 Dual Band Gigabit Router
Test Item   :   Statistical Performance Check
Radar Type   :   Type 1
Test Date   :   2017/03/14
Test Mode   :   Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	1	538	99	1
2	5530	1	938	57	1
3	5530	1	758	70	1
4	5530	1	3066	18	1
5	5530	1	818	65	1
6	5530	1	598	89	1
7	5530	1	778	68	1
8	5530	1	518	102	1
9	5530	1	898	59	1
10	5530	1	838	63	1
11	5530	1	738	72	1
12	5530	1	638	83	1
13	5530	1	878	61	1
14	5530	1	718	74	1
15	5530	1	698	76	1
16	5530	1	568	93	1
17	5530	1	2696	20	1
18	5530	1	1381	39	1
19	5530	1	1409	38	1
20	5530	1	2051	26	1
21	5530	1	1249	43	1
22	5530	1	1806	30	1
23	5530	1	1007	53	0
24	5530	1	2814	19	1
25	5530	1	2356	23	1
26	5530	1	730	73	1
27	5530	1	2387	23	1
28	5530	1	1647	33	1
29	5530	1	2991	18	1
30	5530	1	2984	18	1
Detection Percentage(%)					96.6%

Product   :   Wireless-AC2900 Dual Band Gigabit Router
Test Item   :   Statistical Performance Check
Radar Type :   Type 2
Test Date   :   2017/03/14
Test Mode   :   Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	3.8	150	23	1
2	5300	1.2	181	24	1
3	5300	4.5	185	28	1
4	5300	3.3	198	27	1
5	5300	4.7	212	24	1
6	5300	2.3	206	27	1
7	5300	2.5	151	26	1
8	5300	4.7	171	25	1
9	5300	3.5	217	23	1
10	5300	2.0	156	28	1
11	5300	1.9	195	24	1
12	5300	3.1	163	25	1
13	5300	3.1	164	27	0
14	5300	4.7	206	23	1
15	5300	1.1	174	24	1
16	5300	4.4	173	26	1
17	5300	2.0	216	24	1
18	5300	4.2	162	23	1
19	5300	1.1	194	27	1
20	5300	1.5	228	26	1
21	5300	2.7	168	28	1
22	5300	4.3	204	26	1
23	5300	2.2	211	26	1
24	5300	4.3	157	25	1
25	5300	1.4	219	27	1
26	5300	3.5	227	24	1
27	5300	3.2	203	27	1
28	5300	1.0	152	28	0
29	5300	1.7	166	27	1
30	5300	3.1	211	23	1
Detection Percentage(%)					93.3%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 2
Test Date : 2017/03/14
Test Mode : Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5500	3.8	150	23	1
2	5500	1.2	181	24	1
3	5500	4.5	185	28	1
4	5500	3.3	198	27	1
5	5500	4.7	212	24	1
6	5500	2.3	206	27	1
7	5500	2.5	151	26	1
8	5500	4.7	171	25	1
9	5500	3.5	217	23	1
10	5500	2.0	156	28	1
11	5500	1.9	195	24	1
12	5500	3.1	163	25	1
13	5500	3.1	164	27	1
14	5500	4.7	206	23	1
15	5500	1.1	174	24	0
16	5500	4.4	173	26	1
17	5500	2.0	216	24	1
18	5500	4.2	162	23	1
19	5500	1.1	194	27	1
20	5500	1.5	228	26	1
21	5500	2.7	168	28	1
22	5500	4.3	204	26	1
23	5500	2.2	211	26	1
24	5500	4.3	157	25	1
25	5500	1.4	219	27	1
26	5500	3.5	227	24	1
27	5500	3.2	203	27	1
28	5500	1.0	152	28	1
29	5500	1.7	166	27	1
30	5500	3.1	211	23	1
Detection Percentage(%)					96.6%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 2
Test Date : 2017/03/14
Test Mode : Mode 2: Transmit (802.11ac-80BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5290	4.0	195	23	1
2	5290	4.3	173	23	1
3	5290	2.8	180	25	1
4	5290	3.6	219	23	1
5	5290	1.9	155	26	0
6	5290	2.2	223	28	1
7	5290	2.9	168	27	1
8	5290	1.5	202	28	1
9	5290	1.2	225	26	1
10	5290	2.4	223	24	1
11	5290	5.0	224	27	1
12	5290	4.4	194	28	1
13	5290	2.6	186	23	1
14	5290	2.4	155	29	1
15	5290	4.2	151	26	1
16	5290	1.5	213	26	1
17	5290	2.1	180	24	1
18	5290	1.9	163	24	1
19	5290	2.9	197	27	1
20	5290	4.1	213	25	1
21	5290	1.6	167	24	1
22	5290	2.6	230	25	1
23	5290	3.8	225	26	1
24	5290	4.4	173	26	1
25	5290	3.4	152	29	0
26	5290	2.5	204	24	1
27	5290	1.0	204	29	1
28	5290	2.7	158	24	1
29	5290	1.6	182	26	1
30	5290	3.9	217	29	1
Detection Percentage(%)					93.3%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 2
Test Date : 2017/03/14
Test Mode : Mode 2: Transmit (802.11ac-80BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	4.0	195	23	1
2	5530	4.3	173	23	1
3	5530	2.8	180	25	1
4	5530	3.6	219	23	1
5	5530	1.9	155	26	1
6	5530	2.2	223	28	1
7	5530	2.9	168	27	0
8	5530	1.5	202	28	1
9	5530	1.2	225	26	1
10	5530	2.4	223	24	1
11	5530	5.0	224	27	1
12	5530	4.4	194	28	1
13	5530	2.6	186	23	0
14	5530	2.4	155	29	1
15	5530	4.2	151	26	1
16	5530	1.5	213	26	1
17	5530	2.1	180	24	1
18	5530	1.9	163	24	1
19	5530	2.9	197	27	1
20	5530	4.1	213	25	0
21	5530	1.6	167	24	1
22	5530	2.6	230	25	1
23	5530	3.8	225	26	1
24	5530	4.4	173	26	1
25	5530	3.4	152	29	1
26	5530	2.5	204	24	1
27	5530	1.0	204	29	1
28	5530	2.7	158	24	1
29	5530	1.6	182	26	1
30	5530	3.9	217	29	1
Detection Percentage(%)					90%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 3
Test Date : 2017/03/14
Test Mode : Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	6.3	438	16	1
2	5300	8.3	273	16	1
3	5300	9.0	461	17	1
4	5300	9.3	300	17	1
5	5300	8.3	456	16	1
6	5300	7.4	345	16	1
7	5300	8.3	254	18	1
8	5300	9.8	363	18	1
9	5300	7.9	427	17	1
10	5300	8.0	406	16	0
11	5300	7.2	314	17	1
12	5300	9.5	417	18	1
13	5300	9.1	472	17	1
14	5300	6.9	469	17	1
15	5300	9.9	389	17	1
16	5300	6.6	377	18	1
17	5300	9.5	331	18	1
18	5300	6.9	415	18	1
19	5300	6.6	397	17	1
20	5300	6.1	369	18	1
21	5300	7.5	250	18	1
22	5300	7.4	354	18	1
23	5300	9.3	443	16	0
24	5300	7.9	444	18	1
25	5300	8.2	269	17	1
26	5300	8.2	326	17	0
27	5300	7.2	446	17	1
28	5300	9.3	489	17	1
29	5300	6.9	408	18	1
30	5300	6.2	357	18	1
Detection Percentage(%)					96.6%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 3
Test Date : 2017/03/14
Test Mode : Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5500	6.3	438	16	1
2	5500	8.3	273	16	1
3	5500	9.0	461	17	1
4	5500	9.3	300	17	1
5	5500	8.3	456	16	1
6	5500	7.4	345	16	1
7	5500	8.3	254	18	1
8	5500	9.8	363	18	1
9	5500	7.9	427	17	0
10	5500	8.0	406	16	1
11	5500	7.2	314	17	1
12	5500	9.5	417	18	1
13	5500	9.1	472	17	1
14	5500	6.9	469	17	1
15	5500	9.9	389	17	1
16	5500	6.6	377	18	1
17	5500	9.5	331	18	1
18	5500	6.9	415	18	1
19	5500	6.6	397	17	1
20	5500	6.1	369	18	1
21	5500	7.5	250	18	1
22	5500	7.4	354	18	1
23	5500	9.3	443	16	1
24	5500	7.9	444	18	1
25	5500	8.2	269	17	1
26	5500	8.2	326	17	1
27	5500	7.2	446	17	1
28	5500	9.3	489	17	1
29	5500	6.9	408	18	0
30	5500	6.2	357	18	1
Detection Percentage(%)					93.3%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 3
Test Date : 2017/03/14
Test Mode : Mode 2: Transmit (802.11ac-80BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5290	8.4	284	17	1
2	5290	6.3	357	16	1
3	5290	8.2	477	16	1
4	5290	8.0	381	16	1
5	5290	6.2	259	17	1
6	5290	10.0	311	18	1
7	5290	8.6	466	16	1
8	5290	9.9	386	17	1
9	5290	7.5	377	17	1
10	5290	6.7	328	17	0
11	5290	8.4	256	17	1
12	5290	9.2	416	16	1
13	5290	6.2	492	17	1
14	5290	7.1	432	18	1
15	5290	6.7	486	17	1
16	5290	7.4	437	17	1
17	5290	9.2	296	16	1
18	5290	6.0	457	16	0
19	5290	6.1	456	16	1
20	5290	7.3	383	17	1
21	5290	9.2	334	16	1
22	5290	9.6	252	16	1
23	5290	8.8	389	17	1
24	5290	6.7	410	16	1
25	5290	9.3	348	17	1
26	5290	7.1	417	17	1
27	5290	7.5	265	16	0
28	5290	8.3	403	17	1
29	5290	6.7	252	16	1
30	5290	9.5	288	18	1
Detection Percentage(%)					90%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 3
Test Date : 2017/03/14
Test Mode : Mode 2: Transmit (802.11ac-80BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	8.4	284	17	1
2	5530	6.3	357	16	1
3	5530	8.2	477	16	1
4	5530	8.0	381	16	1
5	5530	6.2	259	17	1
6	5530	10.0	311	18	1
7	5530	8.6	466	16	1
8	5530	9.9	386	17	1
9	5530	7.5	377	17	1
10	5530	6.7	328	17	1
11	5530	8.4	256	17	1
12	5530	9.2	416	16	1
13	5530	6.2	492	17	1
14	5530	7.1	432	18	1
15	5530	6.7	486	17	1
16	5530	7.4	437	17	1
17	5530	9.2	296	16	0
18	5530	6.0	457	16	1
19	5530	6.1	456	16	1
20	5530	7.3	383	17	1
21	5530	9.2	334	16	0
22	5530	9.6	252	16	1
23	5530	8.8	389	17	1
24	5530	6.7	410	16	1
25	5530	9.3	348	17	1
26	5530	7.1	417	17	1
27	5530	7.5	265	16	1
28	5530	8.3	403	17	1
29	5530	6.7	252	16	0
30	5530	9.5	288	18	1
Detection Percentage(%)					90%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 4
Test Date : 2017/03/14
Test Mode : Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	15.1	395	12	1
2	5300	14.8	418	14	1
3	5300	15.5	497	12	1
4	5300	19.3	486	16	1
5	5300	14.9	431	12	1
6	5300	19.0	337	12	1
7	5300	13.7	275	16	1
8	5300	19.9	337	14	1
9	5300	18.5	296	14	1
10	5300	12.4	289	14	1
11	5300	13.8	404	13	1
12	5300	13.3	296	16	1
13	5300	17.4	391	12	1
14	5300	18.9	427	14	1
15	5300	12.7	459	12	1
16	5300	12.9	257	16	1
17	5300	13.8	376	15	1
18	5300	11.0	338	13	1
19	5300	17.5	427	15	0
20	5300	12.9	399	13	1
21	5300	18.7	367	16	1
22	5300	19.4	345	14	1
23	5300	11.3	492	12	1
24	5300	17.7	279	12	1
25	5300	12.8	297	16	1
26	5300	12.0	332	16	1
27	5300	18.0	423	12	1
28	5300	16.6	452	13	1
29	5300	17.3	296	13	0
30	5300	17.6	401	14	1
Detection Percentage(%)					93.3%

Product   :   Wireless-AC2900 Dual Band Gigabit Router
Test Item   :   Statistical Performance Check
Radar Type :   Type 4
Test Date   :   2017/03/14
Test Mode   :   Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5500	15.1	395	12	1
2	5500	14.8	418	14	1
3	5500	15.5	497	12	0
4	5500	19.3	486	16	1
5	5500	14.9	431	12	1
6	5500	19.0	337	12	1
7	5500	13.7	275	16	1
8	5500	19.9	337	14	1
9	5500	18.5	296	14	1
10	5500	12.4	289	14	1
11	5500	13.8	404	13	1
12	5500	13.3	296	16	0
13	5500	17.4	391	12	1
14	5500	18.9	427	14	1
15	5500	12.7	459	12	1
16	5500	12.9	257	16	1
17	5500	13.8	376	15	0
18	5500	11.0	338	13	1
19	5500	17.5	427	15	1
20	5500	12.9	399	13	1
21	5500	18.7	367	16	1
22	5500	19.4	345	14	1
23	5500	11.3	492	12	1
24	5500	17.7	279	12	1
25	5500	12.8	297	16	1
26	5500	12.0	332	16	1
27	5500	18.0	423	12	1
28	5500	16.6	452	13	1
29	5500	17.3	296	13	1
30	5500	17.6	401	14	1
Detection Percentage(%)					90%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 4
Test Date : 2017/03/14
Test Mode : Mode 2: Transmit (802.11ac-80BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5290	17.1	464	13	1
2	5290	12.7	339	16	1
3	5290	14.1	494	13	0
4	5290	12.7	322	15	1
5	5290	16.0	482	15	1
6	5290	14.0	260	13	1
7	5290	11.4	380	14	0
8	5290	14.5	332	14	1
9	5290	11.7	477	15	1
10	5290	17.2	488	14	1
11	5290	12.5	468	12	1
12	5290	11.7	308	14	1
13	5290	15.4	450	14	1
14	5290	14.1	346	15	1
15	5290	12.3	422	12	1
16	5290	18.2	280	14	1
17	5290	17.4	387	16	1
18	5290	17.1	483	12	0
19	5290	19.8	327	15	1
20	5290	19.5	320	12	1
21	5290	11.9	290	13	1
22	5290	16.9	407	16	1
23	5290	19.4	396	13	1
24	5290	13.2	425	14	1
25	5290	19.4	494	15	1
26	5290	19.5	357	13	1
27	5290	17.1	456	15	1
28	5290	11.6	300	15	0
29	5290	18.1	433	13	1
30	5290	11.7	253	13	1
Detection Percentage (%)					86.6%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 4
Test Date : 2017/03/14
Test Mode : Mode 2: Transmit (802.11ac-80BW)

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	17.1	464	13	1
2	5530	12.7	339	16	1
3	5530	14.1	494	13	1
4	5530	12.7	322	15	1
5	5530	16.0	482	15	1
6	5530	14.0	260	13	1
7	5530	11.4	380	14	1
8	5530	14.5	332	14	1
9	5530	11.7	477	15	1
10	5530	17.2	488	14	1
11	5530	12.5	468	12	1
12	5530	11.7	308	14	0
13	5530	15.4	450	14	1
14	5530	14.1	346	15	1
15	5530	12.3	422	12	1
16	5530	18.2	280	14	1
17	5530	17.4	387	16	1
18	5530	17.1	483	12	1
19	5530	19.8	327	15	1
20	5530	19.5	320	12	1
21	5530	11.9	290	13	1
22	5530	16.9	407	16	1
23	5530	19.4	396	13	1
24	5530	13.2	425	14	1
25	5530	19.4	494	15	1
26	5530	19.5	357	13	0
27	5530	17.1	456	15	1
28	5530	11.6	300	15	1
29	5530	18.1	433	13	1
30	5530	11.7	253	13	1
Detection Percentage (%)					93.3%

Mode2 –802.11 n20

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	96.6	>60%	Pass
2	93.3	>60%	Pass
3	93.3	>60%	Pass
4	90.0	>60%	Pass
Total Type 1~4	93.3	>80%	Pass

Mode3 –802.11ac80

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	96.6	>60%	Pass
2	90.0	>60%	Pass
3	90.0	>60%	Pass
4	86.6	>60%	Pass
Total Type 1~4	90.8	>80%	Pass

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 5
Test Date : 2017/03/14
Test Mode : Mode 1: Transmit (802.11n-20BW)

Center Freq: 5300MHz				Low Edge: 5290MHz	High Edge: 5310MHz
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	14	5.6	5296	Statistical_Check_RandParm_For_Radar_Type_5_1_t	1
2	5	2	5293	Statistical_Check_RandParm_For_Radar_Type_5_2_t	1
3	10	4	5295	Statistical_Check_RandParm_For_Radar_Type_5_3_t	1
4	10	4	5295	Statistical_Check_RandParm_For_Radar_Type_5_4_t	1
5	19	7.6	5298	Statistical_Check_RandParm_For_Radar_Type_5_5_t	0
6	12	4.8	5295	Statistical_Check_RandParm_For_Radar_Type_5_6_t	0
7	17	6.8	5297	Statistical_Check_RandParm_For_Radar_Type_5_7_t	1
8	19	7.6	5298	Statistical_Check_RandParm_For_Radar_Type_5_8_t	1
9	8	3.2	5294	Statistical_Check_RandParm_For_Radar_Type_5_9_t	1
10	17	6.8	5297	Statistical_Check_RandParm_For_Radar_Type_5_10	0
11	19	7.6	5300	Statistical_Check_RandParm_For_Radar_Type_5_11	1
12	10	4	5300	Statistical_Check_RandParm_For_Radar_Type_5_12	1
13	6	2.4	5300	Statistical_Check_RandParm_For_Radar_Type_5_13	1
14	14	5.6	5300	Statistical_Check_RandParm_For_Radar_Type_5_14	0
15	10	4	5300	Statistical_Check_RandParm_For_Radar_Type_5_15	1
16	13	5.2	5300	Statistical_Check_RandParm_For_Radar_Type_5_16	1
17	5	2	5300	Statistical_Check_RandParm_For_Radar_Type_5_17	1
18	16	6.4	5300	Statistical_Check_RandParm_For_Radar_Type_5_18	1
19	14	5.6	5300	Statistical_Check_RandParm_For_Radar_Type_5_19	0
20	15	6	5300	Statistical_Check_RandParm_For_Radar_Type_5_20	0
21	8	3.2	5306	Statistical_Check_RandParm_For_Radar_Type_5_21	1
22	7	2.8	5307	Statistical_Check_RandParm_For_Radar_Type_5_22	1
23	17	6.8	5303	Statistical_Check_RandParm_For_Radar_Type_5_23	1
24	15	6	5304	Statistical_Check_RandParm_For_Radar_Type_5_24	1
25	13	5.2	5304	Statistical_Check_RandParm_For_Radar_Type_5_25	1
26	12	4.8	5305	Statistical_Check_RandParm_For_Radar_Type_5_26	1
27	10	4	5306	Statistical_Check_RandParm_For_Radar_Type_5_27	1
28	7	2.8	5307	Statistical_Check_RandParm_For_Radar_Type_5_28	1
29	5	2	5308	Statistical_Check_RandParm_For_Radar_Type_5_29	1
30	8	3.2	5306	Statistical_Check_RandParm_For_Radar_Type_5_30	1
Detection Percentage (%)					80.00
Limit					≧80

Product   :   Wireless-AC2900 Dual Band Gigabit Router
Test Item   :   Statistical Performance Check
Radar Type   :   Type 5
Test Date   :   2017/03/14
Test Mode   :   Mode 1: Transmit (802.11n-20BW)

Center Freq: 5500MHz				Low Edge: 5490MHz	High Edge: 5510MHz
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	14	5.6	5496	Statistical_Check_RandParm_For_Radar_Type_5_1_t	1
2	5	2	5493	Statistical_Check_RandParm_For_Radar_Type_5_2_t	0
3	10	4	5495	Statistical_Check_RandParm_For_Radar_Type_5_3_t	1
4	10	4	5495	Statistical_Check_RandParm_For_Radar_Type_5_4_t	1
5	19	7.6	5498	Statistical_Check_RandParm_For_Radar_Type_5_5_t	1
6	12	4.8	5495	Statistical_Check_RandParm_For_Radar_Type_5_6_t	1
7	17	6.8	5497	Statistical_Check_RandParm_For_Radar_Type_5_7_t	1
8	19	7.6	5498	Statistical_Check_RandParm_For_Radar_Type_5_8_t	1
9	8	3.2	5494	Statistical_Check_RandParm_For_Radar_Type_5_9_t	1
10	17	6.8	5497	Statistical_Check_RandParm_For_Radar_Type_5_10	0
11	19	7.6	5500	Statistical_Check_RandParm_For_Radar_Type_5_11	1
12	10	4	5500	Statistical_Check_RandParm_For_Radar_Type_5_12	1
13	6	2.4	5500	Statistical_Check_RandParm_For_Radar_Type_5_13	1
14	14	5.6	5500	Statistical_Check_RandParm_For_Radar_Type_5_14	0
15	10	4	5500	Statistical_Check_RandParm_For_Radar_Type_5_15	1
16	13	5.2	5500	Statistical_Check_RandParm_For_Radar_Type_5_16	1
17	5	2	5500	Statistical_Check_RandParm_For_Radar_Type_5_17	1
18	16	6.4	5500	Statistical_Check_RandParm_For_Radar_Type_5_18	0
19	14	5.6	5500	Statistical_Check_RandParm_For_Radar_Type_5_19	1
20	15	6	5500	Statistical_Check_RandParm_For_Radar_Type_5_20	1
21	8	3.2	5506	Statistical_Check_RandParm_For_Radar_Type_5_21	1
22	7	2.8	5507	Statistical_Check_RandParm_For_Radar_Type_5_22	1
23	17	6.8	5503	Statistical_Check_RandParm_For_Radar_Type_5_23	1
24	15	6	5504	Statistical_Check_RandParm_For_Radar_Type_5_24	1
25	13	5.2	5504	Statistical_Check_RandParm_For_Radar_Type_5_25	1
26	12	4.8	5505	Statistical_Check_RandParm_For_Radar_Type_5_26	0
27	10	4	5506	Statistical_Check_RandParm_For_Radar_Type_5_27	1
28	7	2.8	5507	Statistical_Check_RandParm_For_Radar_Type_5_28	1
29	5	2	5508	Statistical_Check_RandParm_For_Radar_Type_5_29	1
30	8	3.2	5506	Statistical_Check_RandParm_For_Radar_Type_5_30	1
Detection Percentage (%)					83.3
Limit					$\geqq 80$

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 5
Test Date : 2017/03/14
Test Mode : Mode 2: Transmit (802.11ac-80BW)

Center Freq: 5290MHz				Low Edge: 5252MHz	High Edge: 5328MHz	
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename		1= Detection 0= No Detection
1	6	2.4	5254	Statistical_Check_RandParm_For_Radar_Type_5_1_tr		0
2	14	5.6	5258	Statistical_Check_RandParm_For_Radar_Type_5_2_tr		0
3	6	2.4	5254	Statistical_Check_RandParm_For_Radar_Type_5_3_tr		1
4	8	3.2	5255	Statistical_Check_RandParm_For_Radar_Type_5_4_tr		1
5	18	7.2	5258	Statistical_Check_RandParm_For_Radar_Type_5_5_tr		1
6	5	2	5254	Statistical_Check_RandParm_For_Radar_Type_5_6_tr		1
7	7	2.8	5255	Statistical_Check_RandParm_For_Radar_Type_5_7_tr		1
8	17	6.8	5259	Statistical_Check_RandParm_For_Radar_Type_5_8_tr		1
9	13	5.2	5257	Statistical_Check_RandParm_For_Radar_Type_5_9_tr		1
10	20	8	5290	Statistical_Check_RandParm_For_Radar_Type_5_10		1
11	5	2	5290	Statistical_Check_RandParm_For_Radar_Type_5_11		1
12	5	2	5290	Statistical_Check_RandParm_For_Radar_Type_5_12		1
13	17	6.8	5290	Statistical_Check_RandParm_For_Radar_Type_5_13		1
14	15	6	5290	Statistical_Check_RandParm_For_Radar_Type_5_14		1
15	19	7.6	5290	Statistical_Check_RandParm_For_Radar_Type_5_15		1
16	13	5.2	5290	Statistical_Check_RandParm_For_Radar_Type_5_16		0
17	17	6.8	5290	Statistical_Check_RandParm_For_Radar_Type_5_17		0
18	18	7.2	5290	Statistical_Check_RandParm_For_Radar_Type_5_18		1
19	9	3.6	5290	Statistical_Check_RandParm_For_Radar_Type_5_19		1
20	16	6.4	5290	Statistical_Check_RandParm_For_Radar_Type_5_20		1
21	19	7.6	5320	Statistical_Check_RandParm_For_Radar_Type_5_21		1
22	18	7.2	5321	Statistical_Check_RandParm_For_Radar_Type_5_22		0
23	17	6.8	5321	Statistical_Check_RandParm_For_Radar_Type_5_23		1
24	14	5.6	5322	Statistical_Check_RandParm_For_Radar_Type_5_24		1
25	17	6.8	5321	Statistical_Check_RandParm_For_Radar_Type_5_25		1
26	15	6	5322	Statistical_Check_RandParm_For_Radar_Type_5_26		0
27	12	4.8	5323	Statistical_Check_RandParm_For_Radar_Type_5_27		1
28	14	5.6	5322	Statistical_Check_RandParm_For_Radar_Type_5_28		1
29	16	6.4	5321	Statistical_Check_RandParm_For_Radar_Type_5_29		1
30	5	2	5326	Statistical_Check_RandParm_For_Radar_Type_5_30		1
Detection Percentage (%)						80.0
Limit						≥80

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 5
Test Date : 2017/03/14
Test Mode : Mode 2: Transmit (802.11ac-80BW)

	Center Freq: 5530MHz			Low Edge: 5492MHz		High Edge: 5568MHz
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename		1= Detection 0= No Detection
1	6	2.4	5494	Statistical_Check_RandParm_For_Radar_Type_5_1_tr		1
2	14	5.6	5498	Statistical_Check_RandParm_For_Radar_Type_5_2_tr		1
3	6	2.4	5494	Statistical_Check_RandParm_For_Radar_Type_5_3_tr		1
4	8	3.2	5495	Statistical_Check_RandParm_For_Radar_Type_5_4_tr		1
5	18	7.2	5498	Statistical_Check_RandParm_For_Radar_Type_5_5_tr		1
6	5	2	5494	Statistical_Check_RandParm_For_Radar_Type_5_6_tr		0
7	7	2.8	5495	Statistical_Check_RandParm_For_Radar_Type_5_7_tr		1
8	17	6.8	5499	Statistical_Check_RandParm_For_Radar_Type_5_8_tr		0
9	13	5.2	5497	Statistical_Check_RandParm_For_Radar_Type_5_9_tr		1
10	20	8	5530	Statistical_Check_RandParm_For_Radar_Type_5_10		0
11	5	2	5530	Statistical_Check_RandParm_For_Radar_Type_5_11		1
12	5	2	5530	Statistical_Check_RandParm_For_Radar_Type_5_12		1
13	17	6.8	5530	Statistical_Check_RandParm_For_Radar_Type_5_13		1
14	15	6	5530	Statistical_Check_RandParm_For_Radar_Type_5_14		1
15	19	7.6	5530	Statistical_Check_RandParm_For_Radar_Type_5_15		1
16	13	5.2	5530	Statistical_Check_RandParm_For_Radar_Type_5_16		0
17	17	6.8	5530	Statistical_Check_RandParm_For_Radar_Type_5_17		1
18	18	7.2	5530	Statistical_Check_RandParm_For_Radar_Type_5_18		1
19	9	3.6	5530	Statistical_Check_RandParm_For_Radar_Type_5_19		1
20	16	6.4	5530	Statistical_Check_RandParm_For_Radar_Type_5_20		1
21	19	7.6	5560	Statistical_Check_RandParm_For_Radar_Type_5_21		1
22	18	7.2	5561	Statistical_Check_RandParm_For_Radar_Type_5_22		1
23	17	6.8	5561	Statistical_Check_RandParm_For_Radar_Type_5_23		1
24	14	5.6	5562	Statistical_Check_RandParm_For_Radar_Type_5_24		1
25	17	6.8	5561	Statistical_Check_RandParm_For_Radar_Type_5_25		1
26	15	6	5562	Statistical_Check_RandParm_For_Radar_Type_5_26		1
27	12	4.8	5563	Statistical_Check_RandParm_For_Radar_Type_5_27		1
28	14	5.6	5562	Statistical_Check_RandParm_For_Radar_Type_5_28		1
29	16	6.4	5561	Statistical_Check_RandParm_For_Radar_Type_5_29		1
30	5	2	5566	Statistical_Check_RandParm_For_Radar_Type_5_30		1
Detection Percentage (%)						86.6
Limit						≥80

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 6
Test Date : 2017/03/14
Test Mode : Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	1
9	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5300	Statistical_Check_Hopping Frequency	1
11	5300	Statistical_Check_Hopping Frequency	1
12	5300	Statistical_Check_Hopping Frequency	1
13	5300	Statistical_Check_Hopping Frequency	1
14	5300	Statistical_Check_Hopping Frequency	1
15	5300	Statistical_Check_Hopping Frequency	1
16	5300	Statistical_Check_Hopping Frequency	1
17	5300	Statistical_Check_Hopping Frequency	1
18	5300	Statistical_Check_Hopping Frequency	1
19	5300	Statistical_Check_Hopping Frequency	1
20	5300	Statistical_Check_Hopping Frequency	1
21	5300	Statistical_Check_Hopping Frequency	1
22	5300	Statistical_Check_Hopping Frequency	1
23	5300	Statistical_Check_Hopping Frequency	1
24	5300	Statistical_Check_Hopping Frequency	1
25	5300	Statistical_Check_Hopping Frequency	1
26	5300	Statistical_Check_Hopping Frequency	1
27	5300	Statistical_Check_Hopping Frequency	1
28	5300	Statistical_Check_Hopping Frequency	1
29	5300	Statistical_Check_Hopping Frequency	1
30	5300	Statistical_Check_Hopping Frequency	1
Detection Percentage (%)			100
Limit			>70

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 6
Test Date : 2017/03/14
Test Mode : Mode 1: Transmit (802.11n-20BW)

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	0
4	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	1
9	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5500	Statistical_Check_Hopping Frequency	1
11	5500	Statistical_Check_Hopping Frequency	1
12	5500	Statistical_Check_Hopping Frequency	1
13	5500	Statistical_Check_Hopping Frequency	1
14	5500	Statistical_Check_Hopping Frequency	1
15	5500	Statistical_Check_Hopping Frequency	1
16	5500	Statistical_Check_Hopping Frequency	1
17	5500	Statistical_Check_Hopping Frequency	1
18	5500	Statistical_Check_Hopping Frequency	1
19	5500	Statistical_Check_Hopping Frequency	1
20	5500	Statistical_Check_Hopping Frequency	1
21	5500	Statistical_Check_Hopping Frequency	1
22	5500	Statistical_Check_Hopping Frequency	1
23	5500	Statistical_Check_Hopping Frequency	1
24	5500	Statistical_Check_Hopping Frequency	1
25	5500	Statistical_Check_Hopping Frequency	1
26	5500	Statistical_Check_Hopping Frequency	1
27	5500	Statistical_Check_Hopping Frequency	1
28	5500	Statistical_Check_Hopping Frequency	1
29	5500	Statistical_Check_Hopping Frequency	1
30	5500	Statistical_Check_Hopping Frequency	1
Detection Percentage (%)			96.6
Limit			>70

Product   :   Wireless-AC2900 Dual Band Gigabit Router
Test Item   :   Statistical Performance Check
Radar Type :   Type 6
Test Date   :   2017/03/14
Test Mode   :   Mode 2: Transmit (802.11ac-80BW)

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	1
9	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_10_trail	0
11	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_11_trail	1
12	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_12_trail	1
13	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_13_trail	1
14	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_14_trail	1
15	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_15_trail	1
16	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_16_trail	1
17	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_17_trail	1
18	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_18_trail	1
19	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_19_trail	1
20	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_20_trail	1
21	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_21_trail	0
22	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_22_trail	1
23	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_23_trail	1
24	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_24_trail	1
25	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_25_trail	1
26	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_26_trail	1
27	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_27_trail	1
28	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_28_trail	1
29	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_29_trail	1
30	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_30_trail	1
Detection Percentage (%)			93.3
Limit			>70

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 6
Test Date : 2017/03/14
Test Mode : Mode 2: Transmit (802.11ac-80BW)

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	1
9	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_10_trail	1
11	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_11_trail	0
12	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_12_trail	1
13	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_13_trail	1
14	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_14_trail	1
15	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_15_trail	1
16	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_16_trail	1
17	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_17_trail	1
18	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_18_trail	1
19	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_19_trail	1
20	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_20_trail	1
21	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_21_trail	0
22	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_22_trail	1
23	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_23_trail	1
24	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_24_trail	1
25	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_25_trail	1
26	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_26_trail	1
27	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_27_trail	1
28	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_28_trail	1
29	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_29_trail	1
30	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_30_trail	1
Detection Percentage (%)			93.3
Limit			>70

Product   :   **Wireless-AC2900 Dual** Band Gigabit Router
Test Item   :   Statistical Performance Check
Radar Type   :   Type 1
Test Date   :   2017/03/14
Test Mode   :   Mode 3: Transmit (802.11n-20BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	1	538	99	1
2	5300	1	938	57	1
3	5300	1	758	70	1
4	5300	1	3066	18	1
5	5300	1	818	65	1
6	5300	1	598	89	1
7	5300	1	778	68	1
8	5300	1	518	102	1
9	5300	1	898	59	1
10	5300	1	838	63	1
11	5300	1	738	72	1
12	5300	1	638	83	1
13	5300	1	878	61	1
14	5300	1	718	74	1
15	5300	1	698	76	1
16	5300	1	568	93	1
17	5300	1	2696	20	1
18	5300	1	1381	39	1
19	5300	1	1409	38	1
20	5300	1	2051	26	1
21	5300	1	1249	43	1
22	5300	1	1806	30	1
23	5300	1	1007	53	1
24	5300	1	2814	19	1
25	5300	1	2356	23	1
26	5300	1	730	73	1
27	5300	1	2387	23	1
28	5300	1	1647	33	1
29	5300	1	2991	18	1
30	5300	1	2984	18	1
Detection Percentage(%)					100%

Product	: Wireless-AC2900 Dual Band Gigabit Router
Test Item	: Statistical Performance Check
Radar Type	: Type 1
Test Date	: 2017/03/14
Test Mode	: Mode 3: Transmit (802.11n-20BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5500	1	538	99	1
2	5500	1	938	57	1
3	5500	1	758	70	1
4	5500	1	3066	18	1
5	5500	1	818	65	1
6	5500	1	598	89	1
7	5500	1	778	68	1
8	5500	1	518	102	1
9	5500	1	898	59	1
10	5500	1	838	63	1
11	5500	1	738	72	1
12	5500	1	638	83	1
13	5500	1	878	61	1
14	5500	1	718	74	1
15	5500	1	698	76	1
16	5500	1	568	93	1
17	5500	1	2696	20	1
18	5500	1	1381	39	1
19	5500	1	1409	38	1
20	5500	1	2051	26	1
21	5500	1	1249	43	1
22	5500	1	1806	30	1
23	5500	1	1007	53	1
24	5500	1	2814	19	1
25	5500	1	2356	23	0
26	5500	1	730	73	1
27	5500	1	2387	23	1
28	5500	1	1647	33	1
29	5500	1	2991	18	1
30	5500	1	2984	18	1
Detection Percentage(%)					96.6%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 1
Test Date : 2017/03/14
Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5290	1	538	99	1
2	5290	1	938	57	1
3	5290	1	758	70	1
4	5290	1	3066	18	1
5	5290	1	818	65	1
6	5290	1	598	89	1
7	5290	1	778	68	1
8	5290	1	518	102	1
9	5290	1	898	59	1
10	5290	1	838	63	1
11	5290	1	738	72	1
12	5290	1	638	83	1
13	5290	1	878	61	1
14	5290	1	718	74	1
15	5290	1	698	76	1
16	5290	1	568	93	1
17	5290	1	2696	20	1
18	5290	1	1381	39	1
19	5290	1	1409	38	1
20	5290	1	2051	26	1
21	5290	1	1249	43	1
22	5290	1	1806	30	1
23	5290	1	1007	53	1
24	5290	1	2814	19	1
25	5290	1	2356	23	1
26	5290	1	730	73	1
27	5290	1	2387	23	1
28	5290	1	1647	33	1
29	5290	1	2991	18	1
30	5290	1	2984	18	1
Detection Percentage(%)					100%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 1
Test Date : 2017/03/14
Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	1	538	99	1
2	5530	1	938	57	1
3	5530	1	758	70	1
4	5530	1	3066	18	1
5	5530	1	818	65	1
6	5530	1	598	89	1
7	5530	1	778	68	1
8	5530	1	518	102	1
9	5530	1	898	59	1
10	5530	1	838	63	1
11	5530	1	738	72	1
12	5530	1	638	83	1
13	5530	1	878	61	1
14	5530	1	718	74	1
15	5530	1	698	76	1
16	5530	1	568	93	1
17	5530	1	2696	20	1
18	5530	1	1381	39	1
19	5530	1	1409	38	0
20	5530	1	2051	26	1
21	5530	1	1249	43	1
22	5530	1	1806	30	1
23	5530	1	1007	53	1
24	5530	1	2814	19	1
25	5530	1	2356	23	1
26	5530	1	730	73	1
27	5530	1	2387	23	1
28	5530	1	1647	33	1
29	5530	1	2991	18	1
30	5530	1	2984	18	1
Detection Percentage(%)					96.6%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 2
Test Date : 2017/03/14
Test Mode : Mode 3: Transmit (802.11n-20BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	3.8	150	23	1
2	5300	1.2	181	24	1
3	5300	4.5	185	28	1
4	5300	3.3	198	27	1
5	5300	4.7	212	24	1
6	5300	2.3	206	27	1
7	5300	2.5	151	26	1
8	5300	4.7	171	25	1
9	5300	3.5	217	23	1
10	5300	2.0	156	28	0
11	5300	1.9	195	24	1
12	5300	3.1	163	25	1
13	5300	3.1	164	27	1
14	5300	4.7	206	23	1
15	5300	1.1	174	24	1
16	5300	4.4	173	26	1
17	5300	2.0	216	24	0
18	5300	4.2	162	23	1
19	5300	1.1	194	27	1
20	5300	1.5	228	26	1
21	5300	2.7	168	28	1
22	5300	4.3	204	26	1
23	5300	2.2	211	26	1
24	5300	4.3	157	25	1
25	5300	1.4	219	27	1
26	5300	3.5	227	24	1
27	5300	3.2	203	27	1
28	5300	1.0	152	28	1
29	5300	1.7	166	27	0
30	5300	3.1	211	23	1
Detection Percentage(%)					90%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 2
Test Date : 2017/03/14
Test Mode : Mode 3: Transmit (802.11n-20BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5500	3.8	150	23	1
2	5500	1.2	181	24	1
3	5500	4.5	185	28	1
4	5500	3.3	198	27	1
5	5500	4.7	212	24	1
6	5500	2.3	206	27	1
7	5500	2.5	151	26	1
8	5500	4.7	171	25	1
9	5500	3.5	217	23	1
10	5500	2.0	156	28	1
11	5500	1.9	195	24	1
12	5500	3.1	163	25	1
13	5500	3.1	164	27	1
14	5500	4.7	206	23	1
15	5500	1.1	174	24	1
16	5500	4.4	173	26	0
17	5500	2.0	216	24	1
18	5500	4.2	162	23	1
19	5500	1.1	194	27	1
20	5500	1.5	228	26	1
21	5500	2.7	168	28	0
22	5500	4.3	204	26	1
23	5500	2.2	211	26	1
24	5500	4.3	157	25	1
25	5500	1.4	219	27	1
26	5500	3.5	227	24	0
27	5500	3.2	203	27	1
28	5500	1.0	152	28	0
29	5500	1.7	166	27	1
30	5500	3.1	211	23	1
Detection Percentage(%)					86.6%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 2
Test Date : 2017/03/14
Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5290	4.0	195	23	1
2	5290	4.3	173	23	1
3	5290	2.8	180	25	1
4	5290	3.6	219	23	1
5	5290	1.9	155	26	1
6	5290	2.2	223	28	1
7	5290	2.9	168	27	1
8	5290	1.5	202	28	1
9	5290	1.2	225	26	1
10	5290	2.4	223	24	1
11	5290	5.0	224	27	0
12	5290	4.4	194	28	1
13	5290	2.6	186	23	1
14	5290	2.4	155	29	1
15	5290	4.2	151	26	1
16	5290	1.5	213	26	1
17	5290	2.1	180	24	1
18	5290	1.9	163	24	1
19	5290	2.9	197	27	1
20	5290	4.1	213	25	1
21	5290	1.6	167	24	1
22	5290	2.6	230	25	1
23	5290	3.8	225	26	1
24	5290	4.4	173	26	1
25	5290	3.4	152	29	1
26	5290	2.5	204	24	1
27	5290	1.0	204	29	1
28	5290	2.7	158	24	1
29	5290	1.6	182	26	1
30	5290	3.9	217	29	0
Detection Percentage(%)					93.3%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 2
Test Date : 2017/03/14
Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	4.0	195	23	1
2	5530	4.3	173	23	1
3	5530	2.8	180	25	1
4	5530	3.6	219	23	0
5	5530	1.9	155	26	1
6	5530	2.2	223	28	1
7	5530	2.9	168	27	1
8	5530	1.5	202	28	1
9	5530	1.2	225	26	1
10	5530	2.4	223	24	1
11	5530	5.0	224	27	1
12	5530	4.4	194	28	0
13	5530	2.6	186	23	1
14	5530	2.4	155	29	1
15	5530	4.2	151	26	1
16	5530	1.5	213	26	1
17	5530	2.1	180	24	1
18	5530	1.9	163	24	1
19	5530	2.9	197	27	1
20	5530	4.1	213	25	1
21	5530	1.6	167	24	1
22	5530	2.6	230	25	1
23	5530	3.8	225	26	1
24	5530	4.4	173	26	1
25	5530	3.4	152	29	0
26	5530	2.5	204	24	1
27	5530	1.0	204	29	1
28	5530	2.7	158	24	1
29	5530	1.6	182	26	1
30	5530	3.9	217	29	1
Detection Percentage(%)					90%

Product   : Wireless-AC2900 Dual Band Gigabit Router
Test Item   : Statistical Performance Check
Radar Type : Type 3
Test Date   : 2017/03/14
Test Mode   : Mode 3: Transmit (802.11n-20BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	6.3	438	16	1
2	5300	8.3	273	16	1
3	5300	9.0	461	17	1
4	5300	9.3	300	17	1
5	5300	8.3	456	16	1
6	5300	7.4	345	16	0
7	5300	8.3	254	18	1
8	5300	9.8	363	18	1
9	5300	7.9	427	17	1
10	5300	8.0	406	16	1
11	5300	7.2	314	17	1
12	5300	9.5	417	18	1
13	5300	9.1	472	17	1
14	5300	6.9	469	17	0
15	5300	9.9	389	17	1
16	5300	6.6	377	18	1
17	5300	9.5	331	18	1
18	5300	6.9	415	18	1
19	5300	6.6	397	17	1
20	5300	6.1	369	18	1
21	5300	7.5	250	18	1
22	5300	7.4	354	18	1
23	5300	9.3	443	16	1
24	5300	7.9	444	18	1
25	5300	8.2	269	17	1
26	5300	8.2	326	17	1
27	5300	7.2	446	17	1
28	5300	9.3	489	17	0
29	5300	6.9	408	18	1
30	5300	6.2	357	18	1
Detection Percentage(%)					90%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 3
Test Date : 2017/03/14
Test Mode : Mode 3: Transmit (802.11n-20BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5500	6.3	438	16	1
2	5500	8.3	273	16	1
3	5500	9.0	461	17	1
4	5500	9.3	300	17	0
5	5500	8.3	456	16	1
6	5500	7.4	345	16	1
7	5500	8.3	254	18	1
8	5500	9.8	363	18	1
9	5500	7.9	427	17	0
10	5500	8.0	406	16	1
11	5500	7.2	314	17	0
12	5500	9.5	417	18	1
13	5500	9.1	472	17	1
14	5500	6.9	469	17	1
15	5500	9.9	389	17	1
16	5500	6.6	377	18	1
17	5500	9.5	331	18	1
18	5500	6.9	415	18	1
19	5500	6.6	397	17	1
20	5500	6.1	369	18	1
21	5500	7.5	250	18	1
22	5500	7.4	354	18	1
23	5500	9.3	443	16	1
24	5500	7.9	444	18	1
25	5500	8.2	269	17	1
26	5500	8.2	326	17	1
27	5500	7.2	446	17	1
28	5500	9.3	489	17	1
29	5500	6.9	408	18	1
30	5500	6.2	357	18	1
Detection Percentage(%)					90%

Product   :   Wireless-AC2900 Dual Band Gigabit Router
Test Item   :   Statistical Performance Check
Radar Type :   Type 3
Test Date   :   2017/03/14
Test Mode   :   Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5290	8.4	284	17	1
2	5290	6.3	357	16	1
3	5290	8.2	477	16	1
4	5290	8.0	381	16	1
5	5290	6.2	259	17	1
6	5290	10.0	311	18	1
7	5290	8.6	466	16	1
8	5290	9.9	386	17	1
9	5290	7.5	377	17	1
10	5290	6.7	328	17	1
11	5290	8.4	256	17	1
12	5290	9.2	416	16	1
13	5290	6.2	492	17	1
14	5290	7.1	432	18	1
15	5290	6.7	486	17	1
16	5290	7.4	437	17	1
17	5290	9.2	296	16	1
18	5290	6.0	457	16	1
19	5290	6.1	456	16	1
20	5290	7.3	383	17	0
21	5290	9.2	334	16	1
22	5290	9.6	252	16	1
23	5290	8.8	389	17	1
24	5290	6.7	410	16	1
25	5290	9.3	348	17	0
26	5290	7.1	417	17	1
27	5290	7.5	265	16	1
28	5290	8.3	403	17	1
29	5290	6.7	252	16	1
30	5290	9.5	288	18	1
Detection Percentage(%)					93.3%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 3
Test Date : 2017/03/14
Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	8.4	284	17	0
2	5530	6.3	357	16	1
3	5530	8.2	477	16	1
4	5530	8.0	381	16	1
5	5530	6.2	259	17	1
6	5530	10.0	311	18	1
7	5530	8.6	466	16	0
8	5530	9.9	386	17	1
9	5530	7.5	377	17	1
10	5530	6.7	328	17	1
11	5530	8.4	256	17	1
12	5530	9.2	416	16	1
13	5530	6.2	492	17	0
14	5530	7.1	432	18	1
15	5530	6.7	486	17	1
16	5530	7.4	437	17	1
17	5530	9.2	296	16	1
18	5530	6.0	457	16	0
19	5530	6.1	456	16	1
20	5530	7.3	383	17	1
21	5530	9.2	334	16	0
22	5530	9.6	252	16	1
23	5530	8.8	389	17	1
24	5530	6.7	410	16	1
25	5530	9.3	348	17	1
26	5530	7.1	417	17	1
27	5530	7.5	265	16	1
28	5530	8.3	403	17	1
29	5530	6.7	252	16	0
30	5530	9.5	288	18	1
Detection Percentage(%)					83.3%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 4
Test Date : 2017/03/14
Test Mode : Mode 3: Transmit (802.11n-20BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	15.1	395	12	1
2	5300	14.8	418	14	1
3	5300	15.5	497	12	0
4	5300	19.3	486	16	1
5	5300	14.9	431	12	1
6	5300	19.0	337	12	1
7	5300	13.7	275	16	1
8	5300	19.9	337	14	1
9	5300	18.5	296	14	1
10	5300	12.4	289	14	1
11	5300	13.8	404	13	1
12	5300	13.3	296	16	1
13	5300	17.4	391	12	1
14	5300	18.9	427	14	1
15	5300	12.7	459	12	1
16	5300	12.9	257	16	1
17	5300	13.8	376	15	1
18	5300	11.0	338	13	1
19	5300	17.5	427	15	1
20	5300	12.9	399	13	0
21	5300	18.7	367	16	1
22	5300	19.4	345	14	1
23	5300	11.3	492	12	1
24	5300	17.7	279	12	0
25	5300	12.8	297	16	1
26	5300	12.0	332	16	1
27	5300	18.0	423	12	1
28	5300	16.6	452	13	1
29	5300	17.3	296	13	1
30	5300	17.6	401	14	0
Detection Percentage(%)					86.6%

Product   :   Wireless-AC2900 Dual Band Gigabit Router
Test Item   :   Statistical Performance Check
Radar Type :   Type 4
Test Date   :   2017/03/14
Test Mode   :   Mode 3: Transmit (802.11n-20BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5500	15.1	395	12	1
2	5500	14.8	418	14	1
3	5500	15.5	497	12	0
4	5500	19.3	486	16	1
5	5500	14.9	431	12	1
6	5500	19.0	337	12	1
7	5500	13.7	275	16	1
8	5500	19.9	337	14	0
9	5500	18.5	296	14	1
10	5500	12.4	289	14	1
11	5500	13.8	404	13	0
12	5500	13.3	296	16	1
13	5500	17.4	391	12	1
14	5500	18.9	427	14	1
15	5500	12.7	459	12	1
16	5500	12.9	257	16	1
17	5500	13.8	376	15	1
18	5500	11.0	338	13	1
19	5500	17.5	427	15	1
20	5500	12.9	399	13	1
21	5500	18.7	367	16	1
22	5500	19.4	345	14	1
23	5500	11.3	492	12	1
24	5500	17.7	279	12	1
25	5500	12.8	297	16	1
26	5500	12.0	332	16	1
27	5500	18.0	423	12	1
28	5500	16.6	452	13	1
29	5500	17.3	296	13	1
30	5500	17.6	401	14	1
Detection Percentage(%)					90%

Product   : Wireless-AC2900 Dual Band Gigabit Router
Test Item   : Statistical Performance Check
Radar Type : Type 4
Test Date   : 2017/03/14
Test Mode   : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5290	17.1	464	13	1
2	5290	12.7	339	16	1
3	5290	14.1	494	13	0
4	5290	12.7	322	15	1
5	5290	16.0	482	15	0
6	5290	14.0	260	13	1
7	5290	11.4	380	14	1
8	5290	14.5	332	14	1
9	5290	11.7	477	15	1
10	5290	17.2	488	14	1
11	5290	12.5	468	12	1
12	5290	11.7	308	14	0
13	5290	15.4	450	14	1
14	5290	14.1	346	15	0
15	5290	12.3	422	12	1
16	5290	18.2	280	14	1
17	5290	17.4	387	16	1
18	5290	17.1	483	12	1
19	5290	19.8	327	15	1
20	5290	19.5	320	12	1
21	5290	11.9	290	13	1
22	5290	16.9	407	16	1
23	5290	19.4	396	13	1
24	5290	13.2	425	14	0
25	5290	19.4	494	15	1
26	5290	19.5	357	13	1
27	5290	17.1	456	15	1
28	5290	11.6	300	15	1
29	5290	18.1	433	13	0
30	5290	11.7	253	13	1
Detection Percentage (%)					80%

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 4
Test Date : 2017/03/14
Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	17.1	464	13	0
2	5530	12.7	339	16	1
3	5530	14.1	494	13	1
4	5530	12.7	322	15	1
5	5530	16.0	482	15	0
6	5530	14.0	260	13	1
7	5530	11.4	380	14	1
8	5530	14.5	332	14	1
9	5530	11.7	477	15	1
10	5530	17.2	488	14	1
11	5530	12.5	468	12	0
12	5530	11.7	308	14	1
13	5530	15.4	450	14	0
14	5530	14.1	346	15	1
15	5530	12.3	422	12	1
16	5530	18.2	280	14	1
17	5530	17.4	387	16	1
18	5530	17.1	483	12	0
19	5530	19.8	327	15	1
20	5530	19.5	320	12	1
21	5530	11.9	290	13	0
22	5530	16.9	407	16	1
23	5530	19.4	396	13	1
24	5530	13.2	425	14	1
25	5530	19.4	494	15	1
26	5530	19.5	357	13	1
27	5530	17.1	456	15	1
28	5530	11.6	300	15	1
29	5530	18.1	433	13	1
30	5530	11.7	253	13	1
Detection Percentage (%)					83.3%

Mode3 –802.11 n20

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	96.6	>60%	Pass
2	86.6	>60%	Pass
3	90	>60%	Pass
4	86.6	>60%	Pass
Total Type 1~4	89.95	>80%	Pass

Mode4 –802.11ac80

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	96.6	>60%	Pass
2	90.0	>60%	Pass
3	83.3	>60%	Pass
4	83.3	>60%	Pass
Total Type 1~4	88.3	>80%	Pass

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 5
Test Date : 2017/03/14
Test Mode : Mode 3: Transmit (802.11n-20BW)_mesh mode

	Center Freq: 5300MHz			Low Edge: 5290MHz	High Edge: 5310MHz
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	14	5.6	5296	Statistical_Check_RandParm_For_Radar_Type_5_1_t	1
2	5	2	5293	Statistical_Check_RandParm_For_Radar_Type_5_2_t	0
3	10	4	5295	Statistical_Check_RandParm_For_Radar_Type_5_3_t	1
4	10	4	5295	Statistical_Check_RandParm_For_Radar_Type_5_4_t	0
5	19	7.6	5298	Statistical_Check_RandParm_For_Radar_Type_5_5_t	1
6	12	4.8	5295	Statistical_Check_RandParm_For_Radar_Type_5_6_t	1
7	17	6.8	5297	Statistical_Check_RandParm_For_Radar_Type_5_7_t	1
8	19	7.6	5298	Statistical_Check_RandParm_For_Radar_Type_5_8_t	1
9	8	3.2	5294	Statistical_Check_RandParm_For_Radar_Type_5_9_t	0
10	17	6.8	5297	Statistical_Check_RandParm_For_Radar_Type_5_10	1
11	19	7.6	5300	Statistical_Check_RandParm_For_Radar_Type_5_11	1
12	10	4	5300	Statistical_Check_RandParm_For_Radar_Type_5_12	1
13	6	2.4	5300	Statistical_Check_RandParm_For_Radar_Type_5_13	1
14	14	5.6	5300	Statistical_Check_RandParm_For_Radar_Type_5_14	1
15	10	4	5300	Statistical_Check_RandParm_For_Radar_Type_5_15	0
16	13	5.2	5300	Statistical_Check_RandParm_For_Radar_Type_5_16	1
17	5	2	5300	Statistical_Check_RandParm_For_Radar_Type_5_17	1
18	16	6.4	5300	Statistical_Check_RandParm_For_Radar_Type_5_18	1
19	14	5.6	5300	Statistical_Check_RandParm_For_Radar_Type_5_19	1
20	15	6	5300	Statistical_Check_RandParm_For_Radar_Type_5_20	0
21	8	3.2	5306	Statistical_Check_RandParm_For_Radar_Type_5_21	1
22	7	2.8	5307	Statistical_Check_RandParm_For_Radar_Type_5_22	1
23	17	6.8	5303	Statistical_Check_RandParm_For_Radar_Type_5_23	1
24	15	6	5304	Statistical_Check_RandParm_For_Radar_Type_5_24	1
25	13	5.2	5304	Statistical_Check_RandParm_For_Radar_Type_5_25	1
26	12	4.8	5305	Statistical_Check_RandParm_For_Radar_Type_5_26	0
27	10	4	5306	Statistical_Check_RandParm_For_Radar_Type_5_27	1
28	7	2.8	5307	Statistical_Check_RandParm_For_Radar_Type_5_28	1
29	5	2	5308	Statistical_Check_RandParm_For_Radar_Type_5_29	1
30	8	3.2	5306	Statistical_Check_RandParm_For_Radar_Type_5_30	1
Detection Percentage (%)					80.00
Limit					$\geqq 80$

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 5
Test Date : 2017/03/14
Test Mode : Mode 3: Transmit (802.11n-20BW)_mesh mode

	Center Freq: 5500MHz			Low Edge: 5490MHz	High Edge: 5510MHz	
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename		1= Detection 0= No Detection
1	14	5.6	5496	Statistical_Check_RandParm_For_Radar_Type_5_1_t		1
2	5	2	5493	Statistical_Check_RandParm_For_Radar_Type_5_2_t		0
3	10	4	5495	Statistical_Check_RandParm_For_Radar_Type_5_3_t		0
4	10	4	5495	Statistical_Check_RandParm_For_Radar_Type_5_4_t		1
5	19	7.6	5498	Statistical_Check_RandParm_For_Radar_Type_5_5_t		1
6	12	4.8	5495	Statistical_Check_RandParm_For_Radar_Type_5_6_t		1
7	17	6.8	5497	Statistical_Check_RandParm_For_Radar_Type_5_7_t		1
8	19	7.6	5498	Statistical_Check_RandParm_For_Radar_Type_5_8_t		1
9	8	3.2	5494	Statistical_Check_RandParm_For_Radar_Type_5_9_t		0
10	17	6.8	5497	Statistical_Check_RandParm_For_Radar_Type_5_10		1
11	19	7.6	5500	Statistical_Check_RandParm_For_Radar_Type_5_11		1
12	10	4	5500	Statistical_Check_RandParm_For_Radar_Type_5_12		1
13	6	2.4	5500	Statistical_Check_RandParm_For_Radar_Type_5_13		1
14	14	5.6	5500	Statistical_Check_RandParm_For_Radar_Type_5_14		0
15	10	4	5500	Statistical_Check_RandParm_For_Radar_Type_5_15		1
16	13	5.2	5500	Statistical_Check_RandParm_For_Radar_Type_5_16		1
17	5	2	5500	Statistical_Check_RandParm_For_Radar_Type_5_17		1
18	16	6.4	5500	Statistical_Check_RandParm_For_Radar_Type_5_18		1
19	14	5.6	5500	Statistical_Check_RandParm_For_Radar_Type_5_19		1
20	15	6	5500	Statistical_Check_RandParm_For_Radar_Type_5_20		1
21	8	3.2	5506	Statistical_Check_RandParm_For_Radar_Type_5_21		1
22	7	2.8	5507	Statistical_Check_RandParm_For_Radar_Type_5_22		1
23	17	6.8	5503	Statistical_Check_RandParm_For_Radar_Type_5_23		0
24	15	6	5504	Statistical_Check_RandParm_For_Radar_Type_5_24		1
25	13	5.2	5504	Statistical_Check_RandParm_For_Radar_Type_5_25		1
26	12	4.8	5505	Statistical_Check_RandParm_For_Radar_Type_5_26		1
27	10	4	5506	Statistical_Check_RandParm_For_Radar_Type_5_27		27
28	7	2.8	5507	Statistical_Check_RandParm_For_Radar_Type_5_28		1
29	5	2	5508	Statistical_Check_RandParm_For_Radar_Type_5_29		1
30	8	3.2	5506	Statistical_Check_RandParm_For_Radar_Type_5_30		1
Detection Percentage (%)						80.0
Limit						$\geqq 80$

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 5
Test Date : 2017/03/14
Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename	1= Detection 0= No Detection
Center Freq: 5290MHz				**Low Edge: 5252MHz** **High Edge: 5328MHz**	
1	6	2.4	5254	Statistical_Check_RandParm_For_Radar_Type_5_1_tr	0
2	14	5.6	5258	Statistical_Check_RandParm_For_Radar_Type_5_2_tr	1
3	6	2.4	5254	Statistical_Check_RandParm_For_Radar_Type_5_3_tr	1
4	8	3.2	5255	Statistical_Check_RandParm_For_Radar_Type_5_4_tr	1
5	18	7.2	5258	Statistical_Check_RandParm_For_Radar_Type_5_5_tr	1
6	5	2	5254	Statistical_Check_RandParm_For_Radar_Type_5_6_tr	0
7	7	2.8	5255	Statistical_Check_RandParm_For_Radar_Type_5_7_tr	1
8	17	6.8	5259	Statistical_Check_RandParm_For_Radar_Type_5_8_tr	1
9	13	5.2	5257	Statistical_Check_RandParm_For_Radar_Type_5_9_tr	1
10	20	8	5290	Statistical_Check_RandParm_For_Radar_Type_5_10	0
11	5	2	5290	Statistical_Check_RandParm_For_Radar_Type_5_11	1
12	5	2	5290	Statistical_Check_RandParm_For_Radar_Type_5_12	1
13	17	6.8	5290	Statistical_Check_RandParm_For_Radar_Type_5_13	1
14	15	6	5290	Statistical_Check_RandParm_For_Radar_Type_5_14	0
15	19	7.6	5290	Statistical_Check_RandParm_For_Radar_Type_5_15	1
16	13	5.2	5290	Statistical_Check_RandParm_For_Radar_Type_5_16	1
17	17	6.8	5290	Statistical_Check_RandParm_For_Radar_Type_5_17	1
18	18	7.2	5290	Statistical_Check_RandParm_For_Radar_Type_5_18	1
19	9	3.6	5290	Statistical_Check_RandParm_For_Radar_Type_5_19	1
20	16	6.4	5290	Statistical_Check_RandParm_For_Radar_Type_5_20	0
21	19	7.6	5320	Statistical_Check_RandParm_For_Radar_Type_5_21	1
22	18	7.2	5321	Statistical_Check_RandParm_For_Radar_Type_5_22	1
23	17	6.8	5321	Statistical_Check_RandParm_For_Radar_Type_5_23	1
24	14	5.6	5322	Statistical_Check_RandParm_For_Radar_Type_5_24	1
25	17	6.8	5321	Statistical_Check_RandParm_For_Radar_Type_5_25	1
26	15	6	5322	Statistical_Check_RandParm_For_Radar_Type_5_26	1
27	12	4.8	5323	Statistical_Check_RandParm_For_Radar_Type_5_27	0
28	14	5.6	5322	Statistical_Check_RandParm_For_Radar_Type_5_28	1
29	16	6.4	5321	Statistical_Check_RandParm_For_Radar_Type_5_29	1
30	5	2	5326	Statistical_Check_RandParm_For_Radar_Type_5_30	1
Detection Percentage (%)					80.0
Limit					≥80

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 5
Test Date : 2017/03/14
Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

	Center Freq: 5530MHz			Low Edge: 5492MHz	High Edge: 5568MHz	
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename		1= Detection 0= No Detection
1	6	2.4	5494	Statistical_Check_RandParm_For_Radar_Type_5_1_tr		1
2	14	5.6	5498	Statistical_Check_RandParm_For_Radar_Type_5_2_tr		0
3	6	2.4	5494	Statistical_Check_RandParm_For_Radar_Type_5_3_tr		1
4	8	3.2	5495	Statistical_Check_RandParm_For_Radar_Type_5_4_tr		1
5	18	7.2	5498	Statistical_Check_RandParm_For_Radar_Type_5_5_tr		1
6	5	2	5494	Statistical_Check_RandParm_For_Radar_Type_5_6_tr		0
7	7	2.8	5495	Statistical_Check_RandParm_For_Radar_Type_5_7_tr		1
8	17	6.8	5499	Statistical_Check_RandParm_For_Radar_Type_5_8_tr		1
9	13	5.2	5497	Statistical_Check_RandParm_For_Radar_Type_5_9_tr		1
10	20	8	5530	Statistical_Check_RandParm_For_Radar_Type_5_10		0
11	5	2	5530	Statistical_Check_RandParm_For_Radar_Type_5_11		1
12	5	2	5530	Statistical_Check_RandParm_For_Radar_Type_5_12		1
13	17	6.8	5530	Statistical_Check_RandParm_For_Radar_Type_5_13		0
14	15	6	5530	Statistical_Check_RandParm_For_Radar_Type_5_14		1
15	19	7.6	5530	Statistical_Check_RandParm_For_Radar_Type_5_15		1
16	13	5.2	5530	Statistical_Check_RandParm_For_Radar_Type_5_16		0
17	17	6.8	5530	Statistical_Check_RandParm_For_Radar_Type_5_17		1
18	18	7.2	5530	Statistical_Check_RandParm_For_Radar_Type_5_18		1
19	9	3.6	5530	Statistical_Check_RandParm_For_Radar_Type_5_19		0
20	16	6.4	5530	Statistical_Check_RandParm_For_Radar_Type_5_20		1
21	19	7.6	5560	Statistical_Check_RandParm_For_Radar_Type_5_21		1
22	18	7.2	5561	Statistical_Check_RandParm_For_Radar_Type_5_22		1
23	17	6.8	5561	Statistical_Check_RandParm_For_Radar_Type_5_23		1
24	14	5.6	5562	Statistical_Check_RandParm_For_Radar_Type_5_24		1
25	17	6.8	5561	Statistical_Check_RandParm_For_Radar_Type_5_25		1
26	15	6	5562	Statistical_Check_RandParm_For_Radar_Type_5_26		1
27	12	4.8	5563	Statistical_Check_RandParm_For_Radar_Type_5_27		1
28	14	5.6	5562	Statistical_Check_RandParm_For_Radar_Type_5_28		1
29	16	6.4	5561	Statistical_Check_RandParm_For_Radar_Type_5_29		1
30	5	2	5566	Statistical_Check_RandParm_For_Radar_Type_5_30		1
Detection Percentage (%)						80.0
Limit						≥80

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 6
Test Date : 2017/03/14
Test Mode : Mode 3: Transmit (802.11n-20BW)_mesh mode

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	0
7	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	1
9	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5300	Statistical_Check_Hopping Frequency	1
11	5300	Statistical_Check_Hopping Frequency	1
12	5300	Statistical_Check_Hopping Frequency	1
13	5300	Statistical_Check_Hopping Frequency	1
14	5300	Statistical_Check_Hopping Frequency	1
15	5300	Statistical_Check_Hopping Frequency	1
16	5300	Statistical_Check_Hopping Frequency	1
17	5300	Statistical_Check_Hopping Frequency	1
18	5300	Statistical_Check_Hopping Frequency	1
19	5300	Statistical_Check_Hopping Frequency	1
20	5300	Statistical_Check_Hopping Frequency	1
21	5300	Statistical_Check_Hopping Frequency	1
22	5300	Statistical_Check_Hopping Frequency	1
23	5300	Statistical_Check_Hopping Frequency	1
24	5300	Statistical_Check_Hopping Frequency	1
25	5300	Statistical_Check_Hopping Frequency	1
26	5300	Statistical_Check_Hopping Frequency	1
27	5300	Statistical_Check_Hopping Frequency	1
28	5300	Statistical_Check_Hopping Frequency	1
29	5300	Statistical_Check_Hopping Frequency	1
30	5300	Statistical_Check_Hopping Frequency	1
Detection Percentage (%)			96.6
Limit			>70

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 6
Test Date : 2017/03/14
Test Mode : Mode 3: Transmit (802.11n-20BW)_mesh mode

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	1
9	5500	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	0
10	5500	Statistical_Check_Hopping Frequency	1
11	5500	Statistical_Check_Hopping Frequency	1
12	5500	Statistical_Check_Hopping Frequency	1
13	5500	Statistical_Check_Hopping Frequency	1
14	5500	Statistical_Check_Hopping Frequency	1
15	5500	Statistical_Check_Hopping Frequency	1
16	5500	Statistical_Check_Hopping Frequency	1
17	5500	Statistical_Check_Hopping Frequency	1
18	5500	Statistical_Check_Hopping Frequency	1
19	5500	Statistical_Check_Hopping Frequency	1
20	5500	Statistical_Check_Hopping Frequency	1
21	5500	Statistical_Check_Hopping Frequency	1
22	5500	Statistical_Check_Hopping Frequency	1
23	5500	Statistical_Check_Hopping Frequency	1
24	5500	Statistical_Check_Hopping Frequency	1
25	5500	Statistical_Check_Hopping Frequency	1
26	5500	Statistical_Check_Hopping Frequency	1
27	5500	Statistical_Check_Hopping Frequency	1
28	5500	Statistical_Check_Hopping Frequency	1
29	5500	Statistical_Check_Hopping Frequency	1
30	5500	Statistical_Check_Hopping Frequency	1
Detection Percentage (%)			96.6
Limit			>70

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 6
Test Date : 2017/03/14
Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	1
9	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_10_trail	0
11	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_11_trail	1
12	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_12_trail	1
13	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_13_trail	1
14	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_14_trail	1
15	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_15_trail	1
16	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_16_trail	1
17	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_17_trail	1
18	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_18_trail	1
19	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_19_trail	1
20	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_20_trail	1
21	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_21_trail	1
22	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_22_trail	1
23	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_23_trail	1
24	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_24_trail	1
25	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_25_trail	1
26	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_26_trail	1
27	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_27_trail	1
28	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_28_trail	1
29	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_29_trail	1
30	5290	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_30_trail	1
Detection Percentage (%)			96.6
Limit			>70

Product : Wireless-AC2900 Dual Band Gigabit Router
Test Item : Statistical Performance Check
Radar Type : Type 6
Test Date : 2017/03/14
Test Mode : Mode 4: Transmit (802.11ac-80BW)_mesh mode

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	1
9	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_10_trail	1
11	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_11_trail	1
12	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_12_trail	1
13	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_13_trail	1
14	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_14_trail	1
15	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_15_trail	1
16	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_16_trail	1
17	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_17_trail	1
18	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_18_trail	1
19	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_19_trail	1
20	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_20_trail	1
21	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_21_trail	1
22	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_22_trail	1
23	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_23_trail	1
24	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_24_trail	0
25	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_25_trail	1
26	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_26_trail	1
27	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_27_trail	1
28	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_28_trail	1
29	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_29_trail	1
30	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_30_trail	1
Detection Percentage (%)			96.6
Limit			>70

Attachment: EUT Detailed Photographs

(1) EUT Photo (External)

(1) EUT Photo

(2) EUT Photo

(3) EUT Photo

(4) EUT Photo

(5) EUT Photo

(6) EUT Photo (LAN Cable 1.5m)

(7) EUT Photo

(8) EUT Photo (LAN Calbe 2m)

(9) EUT Photo

(10) EUT Photo (Adapter: AD890326010-2LF)

(11) EUT Photo

(12) EUT Photo

(13) EUT Photo (Adapter: ADP-33AW)

(14) EUT Photo

(15) EUT Photo

(16) EUT Photo (Dipole Antenna)(Without ASUS logo)

(17) EUT Photo

(18) EUT Photo (Dipole Antenna)(With ASUS logo)

(19) EUT Photo