AUDIX Technology Corp.
No. 53-11, Dingfu, Linkou, Dist.,
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FCC 15.407 NII
DFS Report

for

Contec Co., Ltd.

3-9-31, Himesato, Nishiyodogawa-ku, Osaka,
555-0025, Japan

Brand	**:**	**CONTEC**
Product Name	**:**	**IEEE802.11n/a/b/g Wireless LAN Access Point Board**
Model Name	**:**	**FXE3000-US**
FCC ID	**:**	**PQRFXE3000-US**

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APPENDIX A TEST PLOTS

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TEST REPORT CERTIFICATION

Applicant	:	Contec Co., Ltd.
Manufacture	:	Contec Co., Ltd.
Product Name	:	IEEE802.11n/a/b/g Wireless LAN Access Point Board
Model No.	:	FXE3000-US
Serial No.	:	N/A
Brand	:	CONTEC

Applicable Standards:

FCC Rules and Regulations Part 15 Subpart E, 2015
(FCC CFR 47 Part 15E, §15.407)
ANSI C63.10:2013
905462 D02 UNII DFS Compliance Procedures New Rules v02
905462 D03 UNII Clients Without Radar Detection New Rules v01r01

AUDIX Technology Corp. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report. ***AUDIX Technology Corp.*** does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens and samples.

Date of Test: 2016. 04. 14 ~ 15 Date of Report: 2016. 04. 15

Producer: Sabrina Wang
(Sabrina Wang/Administrator)

Signatory: Jarwei Wang
(Jarwei Wang/Section Manager)

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1. REPORT HISTORY

Revision	Date	Revision Summary	Report Number
0	2016. 04. 15	Original Report.	EM-F160208

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2. SUMMARY OF TEST RESULTS

Description	Results
Channel Availability Check Time	**N/A**
Channel Move Time	**PASS**
Non-Occupancy Period	**PASS**
Non-Associated Client Beacon	**PASS**
Channel Closing Transmission Time	**PASS**
U-NII Detection Bandwidth	**N/A**
N/A is an abbreviation for Not Applicable, sine the product is client without radar detection function	

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3. GENERAL INFORMATION

3.1. Description of EUT

<table>
<tr><td>Product</td><td>IEEE802.11n/a/b/g Wireless LAN Access Point Board</td></tr>
<tr><td>Model Number</td><td>FXE3000-US</td></tr>
<tr><td>Serial Number</td><td>N/A</td></tr>
<tr><td>Brand Name</td><td>CONTEC</td></tr>
<tr><td>Applicant</td><td>Contec Co., Ltd.
3-9-31, Himesato, Nishiyodogawa-ku, Osaka, 555-0025, Japan</td></tr>
<tr><td>Manufacture</td><td>Contec Co., Ltd.
3-9-31, Himesato, Nishiyodogawa-ku, Osaka, 555-0025, Japan</td></tr>
<tr><td>RF Features</td><td>802.11a/b/g/n</td></tr>
<tr><td>Transmit Type</td><td>
<table>
<tr><th colspan="2">2.4 GHz</th></tr>
<tr><td>802.11b</td><td>1T1R</td></tr>
<tr><td>802.11g</td><td>1T1R</td></tr>
<tr><td>802.11n-HT20</td><td>2T2R</td></tr>
<tr><td>802.11n-HT40</td><td>2T2R</td></tr>
</table>
<table>
<tr><th colspan="2">UNII Bands</th></tr>
<tr><td>802.11a</td><td>1T1R</td></tr>
<tr><td>802.11n-HT20</td><td>2T2R</td></tr>
<tr><td>802.11n-HT40</td><td>2T2R</td></tr>
</table>
</td></tr>
<tr><td>Device Category</td><td>☐Outdoor Access Point
☐Fixed point-to-point Access Point
☐Indoor Access Point
■Mobile and Portable client device</td></tr>
<tr><td>Date of Receipt of Sample</td><td>2016. 03. 11</td></tr>
</table>

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3.2. EUT Specifications Assessed in Current Report

Mode	UNII Band	Fundamental Range (MHz)	Channel Number	Modulation	Data Rate (Mbps)
802.11a	II-2A	5260-5320	4	OFDM Modulation (BPSK/QPSK/16QAM/64QAM)	Up to 54
	II-2C	5500-5700	8		
802.11n-HT20	II-2A	5260-5320	4		MCS0~15
	II-2C	5500-5700	8		
802.11n-HT40	II-2A	5270-5310	2		
	II-2C	5510-5670	3		
Remark: UNII Band II (DFS Function, Slave/no In service monitor, no Ad-Hoc mode)					

Channel List					
802.11a/n-HT20			802.11n-HT40		
UNII Band	Channel Number	Frequency (MHz)	UNII Band	Channel Number	Frequency (MHz)
II-2A	52	5260	II-2A	54	5270
	56	5280		62	5310
	60	5300			
	64	5320			
II-2C	100	5500	II-2C	102	5510
	104	5520		110	5550
	108	5540		134	5670
	112	5560			
	116	5580			
	132	5660			
	136	5680			
	140	5700			

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3.3. Antenna Information

2.4G Antenna

No.	Antenna Part Number	Manufacture	Antenna Type	Frequency (MHz)	Max Gain (dBi)		Directional Gain (dBi)
					Chain 0	Chain 1	
1	MR-1700-W	Azure Solutions, Inc.	Low Profile Vertical	1700 to 2500	4	4	**7.01** Note1
2	ANTDP-048A	SANSEI ELECTRIC CO., LTD	Dipole	2400 to 2500	2.14	2.14	**5.15** Note2
3	ACM3-5036-A1-CC-S (FX-ANT-A8)	INPAQ TECHNOLOGY CO., LTD	Chip (ANT3, ANT4)	2400 to 2500	3.0	3.0	**6.01** Note3
4	ACM3-5036-A1-CC-S (Integrated Antenna)	INPAQ TECHNOLOGY CO., LTD	Chip (ANT1, ANT2)	2400 to 2500	3.0	3.0	**6.01** Note3

Note 1. Directional gain = $10 \log[(10^{4.0/20} + 10^{4.0/20})^2 /2]$=7.01dBi

Note 2. Directional gain = $10 \log[(10^{2.14/20} + 10^{2.14/20})^2 /2]$=5.15dBi

Note 3. Directional gain = $10 \log[(10^{3.0/20} + 10^{3.0/20})^2 /2]$=6.01dBi

5G Antenna

No.	Antenna Part Number	Manufacture	Antenna Type	Frequency (MHz)	Max Gain (dBi)		Directional Gain (dBi)
					Chain 0	Chain 1	
1	MR-6000	Azure Solutions, Inc.	Low Profile Vertical	4900 to 6000	4	4	**7.01** Note1
2	ANTDP-048A	SANSEI ELECTRIC CO., LTD	Dipole	5100 to5825	2.14	2.14	**5.15** Note2
3	ACM3-5036-A1-CC-S (FX-ANT-A8)	INPAQ TECHNOLOGY CO., LTD	Chip (ANT3, ANT4)	5000 to 6000	3.3	3.3	**6.31** Note.3
4	ACM3-5036-A1-CC-S (Integrated Antenna)	INPAQ TECHNOLOGY CO., LTD	Chip (ANT1, ANT2)	5000 to 6000	3.3	3.3	**6.31** Note3

Note 1. Directional gain = $10 \log[(10^{4.0/20} + 10^{4.0/20})^2 /2]$=7.01dBi

Note 2. Directional gain = $10 \log[(10^{2.14/20} + 10^{2.14/20})^2 /2]$=5.15dBi

Note 3. Directional gain = $10 \log[(10^{3.3/20} + 10^{3.3/20})^2 /2]$=6.31 dBi

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3.4. Test Configuration

Item	Bandwidth	Test Channel
Channel Move Time & Channel Closing Transmission Time	20MHz	56/100
	40MHz	62/102
Non-Occupancy Period & Non-associated Test	20MHz	56/100
	40MHz	62/102

3.5. Tested Supporting System List

Item	Manufacturer	Model	Remark
AP Server embedded with Wireless AC Module			
AP Server	TP-LINK	DIR-868L	FCC ID: KA2IR868LA1
Wireless AC Module	Aplpha	WMC-AC01	FCC ID: RRK2012060056-1

3.6. Description of Test Facility

Test Firm Name	:	**AUDIX Technology Corporation** **EMC Department** No. 53-11, Dingfu, Linkou Dist., New Taipei City 244, Taiwan
Test Location & Facility	:	No. 53-11, Dingfu, Linkou Dist., New Taipei City 244, Taiwan
NVLAP Lab. Code	:	200077-0
TAF Accreditation No	:	1724

3.7. Measurement Uncertainty

Test Item	Uncertainty
DFS Measurement	±0.5ms
Threshold	±0.33dB

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4. MEASUREMENT EQUIPMENT LIST

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Vector Signal Generation	R&S	SMU200A	104893	2015. 07. 01	1 Year
2.	Spectrum Analyzer	Agilent	N9030A-544	US51350140	2015. 06. 10	1 Year
3.	Spectrum Analyzer	R&S	FSV30	101181	2016. 03. 06	1 Year
4.	Atteuator (10dB) X2	Worken	WK0602-10	0120A02208001S	N.C.R	N.C.R
5.	Atteuator (30dB) X2	Worken	WK0602-30	0120A02208002S	N.C.R	N.C.R

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5. WORKING MODES AND REQUIREMENT TEST ITEM

5.1. Applicability of DFS Requirements Prior To Use A Channel

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
Non-Occupancy Period	✓	Not required	✓
DFS Detection Threshold	✓	Not required	✓
Channel Availability Check Time	✓	Not required	Not required
Uniform Spreading	✓	Not required	Not required
U-NII Detection Bandwidth	✓	Not required	✓

5.2. Applicability of DFS Requirements During Normal Operation

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
DFS Detection Threshold	✓	Not required	✓
Channel Closing Transmission Time	✓	✓	✓
Channel Move Time	✓	✓	✓
U-NII Detection Bandwidth	✓	Not required	✓

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6. DFS DETECTION THRESHOLOS AND RADAR TEST WAVEFORMS

6.1. Interference Threshold Value, Master or Client Incorporating In-Service Monitoring

Maximum Transmit Power	Value (See Notes 1 and 2)
≥ 200 milliwatt	-64dBm
< 200 milliwatt	-62dBm

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.

The radar Detection Threshold, lowest antenna gain is the parameter of interference radar DFS detection threshold.

6.2. Radar Test Waveform Minimum Step

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

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6.3. Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulse	Minimum Percentage of Successful Detection	Minimum number of Trials
0	1	1428	18	See Note 1	See Note 1
1A	1	15 unique PRI in KDB 905462 D02 Table 5a	$Roundup\left\{\left(\frac{1}{360}\right)\times\left(\frac{19\times10^6}{PRI}\right)\right\}$	60%	15
1B	1	15 unique PRI within 518-3066, Excluding 1A PRI		60%	15
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. For short pulse radar type 1, the same waveform is used a minimum of 30 times. 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. The aggregate is the average of the percentage of successful detections of short pulse radar types 1-4.

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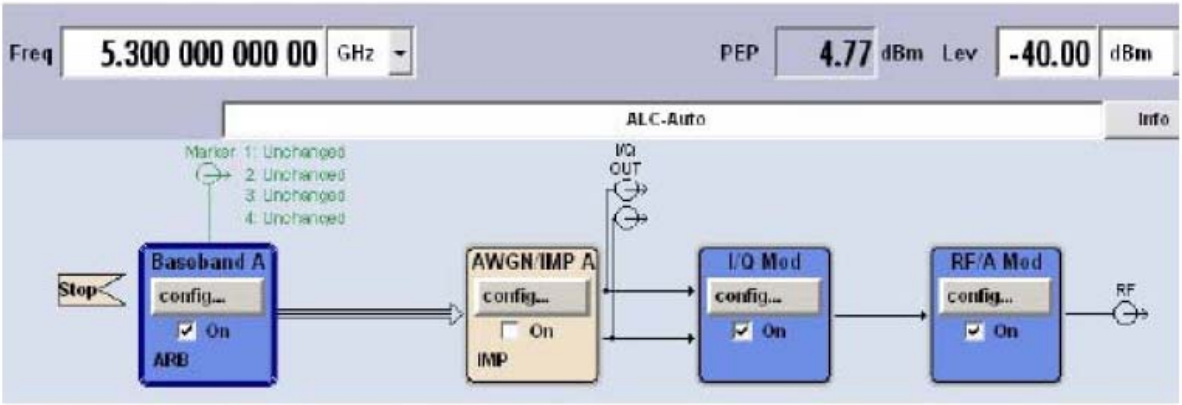
FCC Radar Types (1~4) System Diagram



Used R&S SMU200A (Vector SG with two ARB)
B11: Base-band Generator with ARB (16M samples) and Digital Modulation
B13: Base-band Main Module
B106: frequency range (100 kHz to 6 GHz)
For selecting the waveform parameters from within the bounds of the signal type, system was random selection using uniform distribution.

6.4. Long Pulse Radar Test Waveforms

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

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse radar test signal. If more 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 following:

(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 some pulse width. Pulses in different Bursts may have different pulse widths.

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(5) Each pulse has a linear FM chirp between 5 and 20MHz, with the chirp width being randomly chosen. Each pulse within a Burst will have the same chirp width. Pulses in different Burst may have different chirp widths. The chirp is centered on the pulse. For example, with a radar frequency of 5300MHz and a 20MHz chirped signal, the chirp starts at 5290MHz and ends at 5310MHz.

(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 (12000000/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 [(12000000/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.

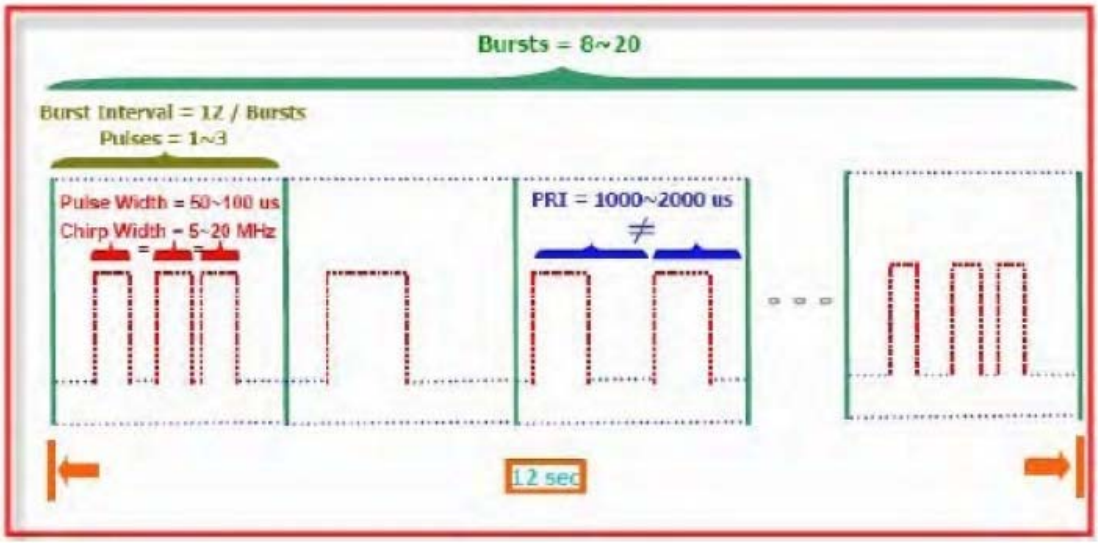
(3) Burst 1 has 2 randomly generated pulses.

(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 1500000 microseconds. The starting location for Pulse 1. Burst 1 is randomly generated (1 to 1500000 minus the total Burst 1 length + 1 random PRI interval) at the 325001 microsecond step. Bursts 2 through 8 randomly fall in successive 1500000 microsecond intervals (i.e. Burst 2 falls in the 1500001-3000000 microsecond range).



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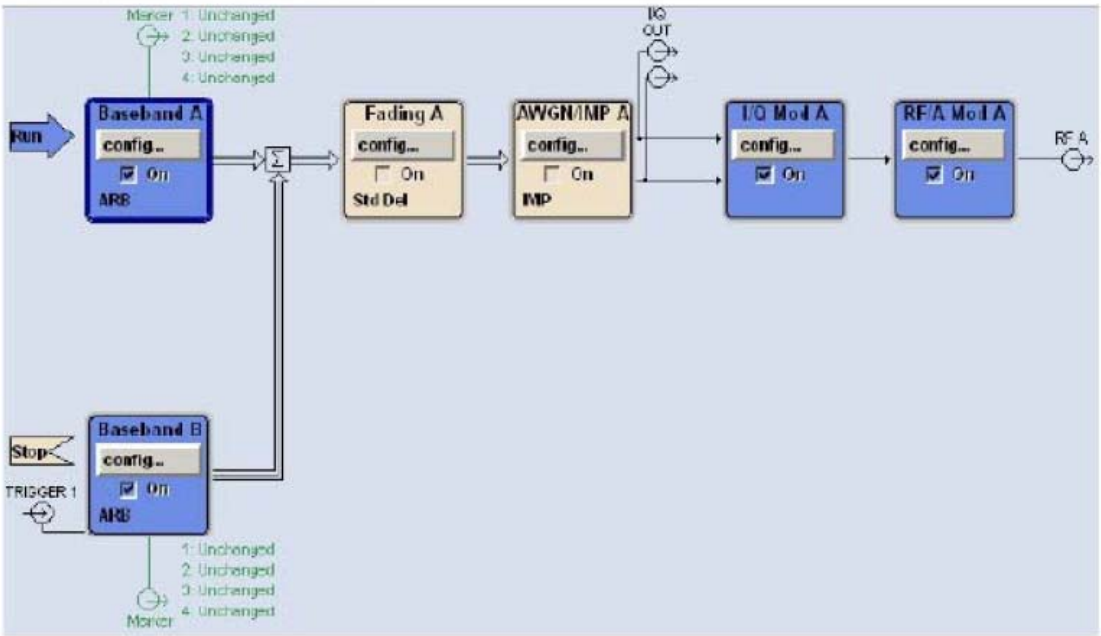
FCC Radar Types (5) System Diagram



Used R&S SMU200A (Vector SG with two ARB)
Path A/Path B Two B11: Base-band Generator with ARB (16M samples) and Digital Modulation
B13: Base-band Main Module
B106: frequency range (100 kHz to 6 GHz)
For selecting the waveform parameters from within the bounds of the signal type, system was random selection using uniform distribution.

6.5. Frequency Hopping Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses Per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Minimum Percentage of Successful Detection	Minimum of Trials
6	1	333	9	0.333	300	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 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 form 5250-5274MHz. 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 random frequency, the frequencies remaining within the group are always treated as equally likely.

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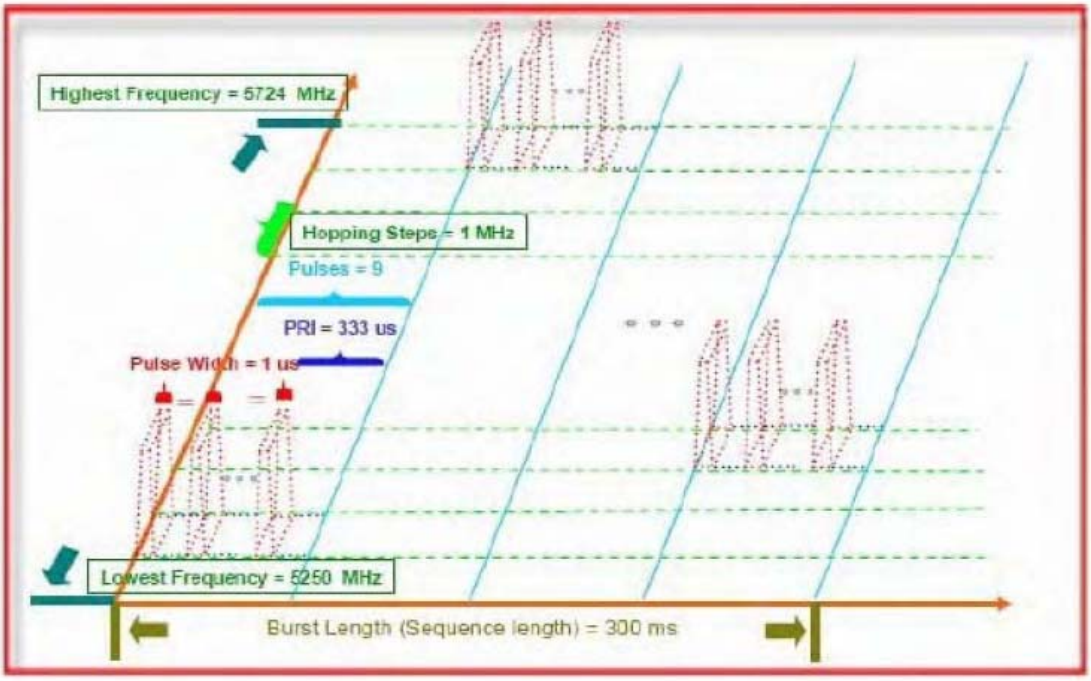
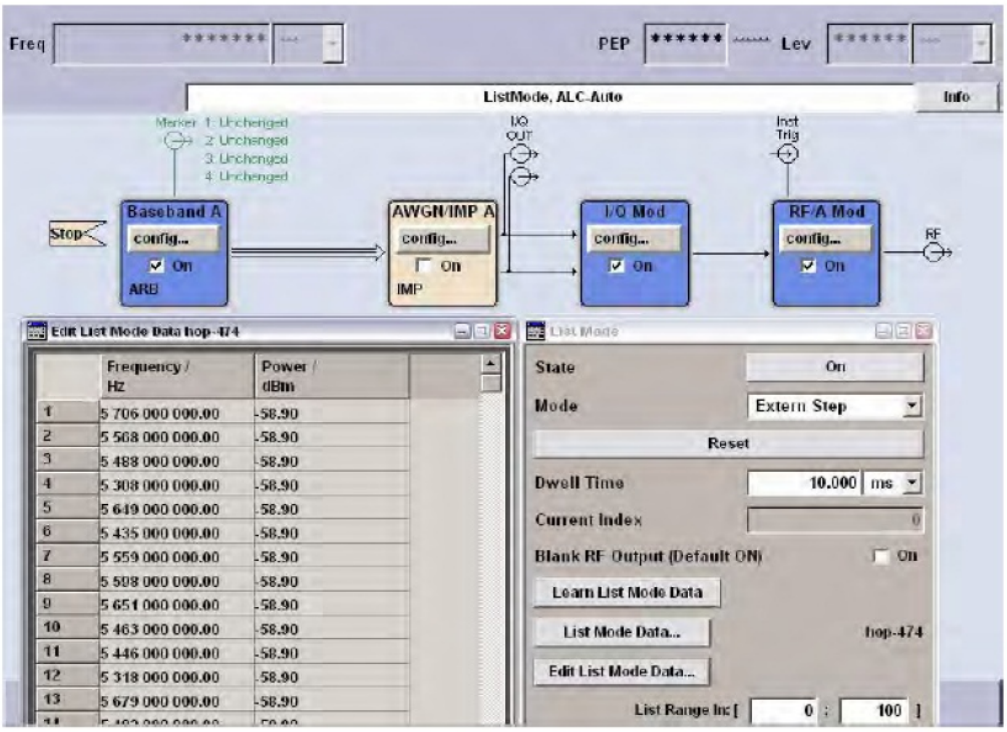


FCC Radar Types (6) System Diagram



Used R&S SMU200A (Vector SG with two ARB)
B11: Base-band Generator with ARB (16M samples) and Digital Modulation
B13: Base-band Main Module
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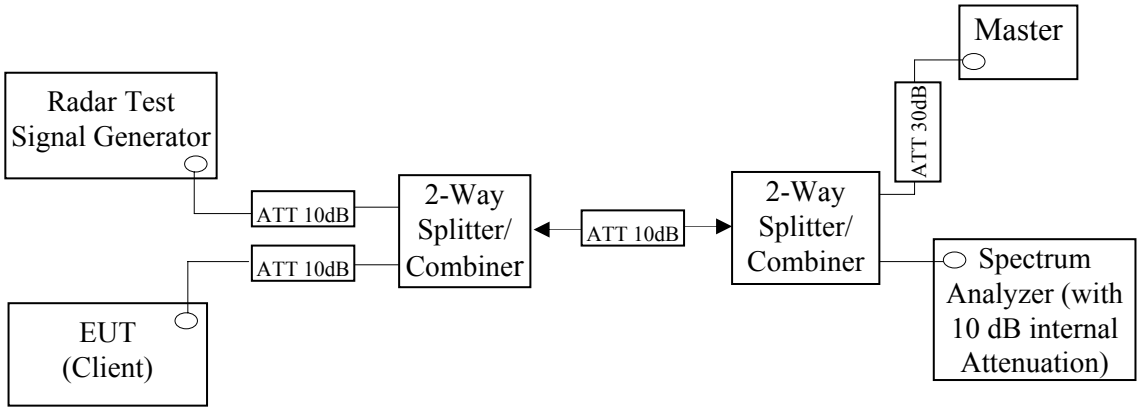
6.6. Conducted Calibration Setup



6.7. Radar Waveform Calibration Procedure

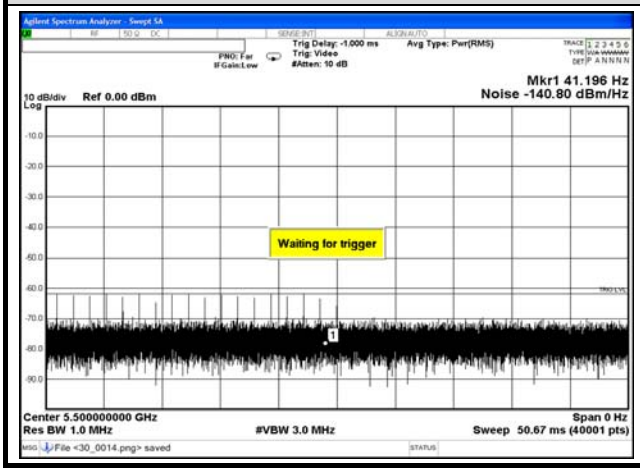
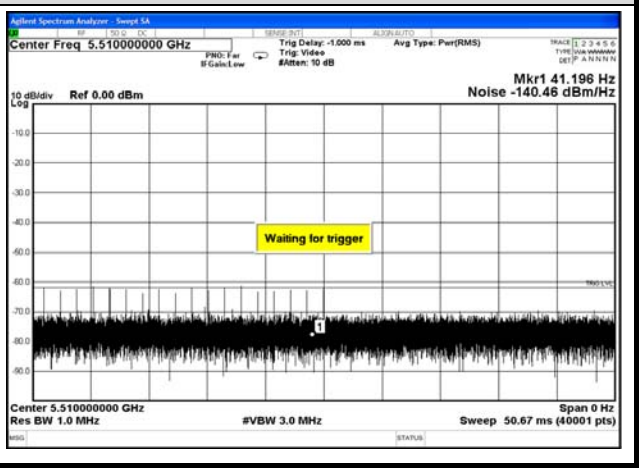
The measured frequency is 5500MHz, 5510MHz and 5530MHz. The radar signal was the same as transmitted channels, and injected into the antenna port of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time. The calibrated conducted detection threshold level is set to -62dBm. The tested level is lower than required level hence it provides margin to the limit.

6.8. Calibration Deviation

There is no deviation with the original standard.

6.9. Radar Waveform Calibration Result

DFS detection threshold level and the burst of pulses on the Channel frequency

20MHz	40MHz
	

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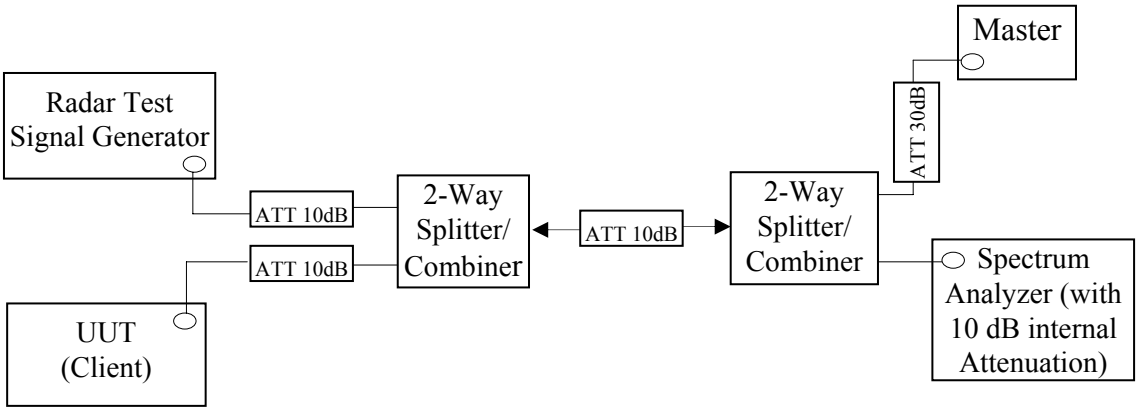
7. TEST SETUP AND TEST RESULT

7.1. Test Setup

7.1.1. Test Setup Diagram

Following is the test setup for generated the radar waveforms and used to monitor UNII device.



7.1.2. Test Setup Operation

System testing was performed with the designated MPEG test file that streams full motion video from the Access Point to Client in full motion video mode using the media player with the V2.61 Codec package. This file is used by IP and Frame based systems for loading the test channel during the in-service compliance testing of the U-NII device.
The waveform parameters from within the bounds of the signal type are selected randomly using uniform distribution.
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the Channel within the (Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the detection and Channel move. It is also used to monitor EUT transmissions during the Channel Availability Check Time.

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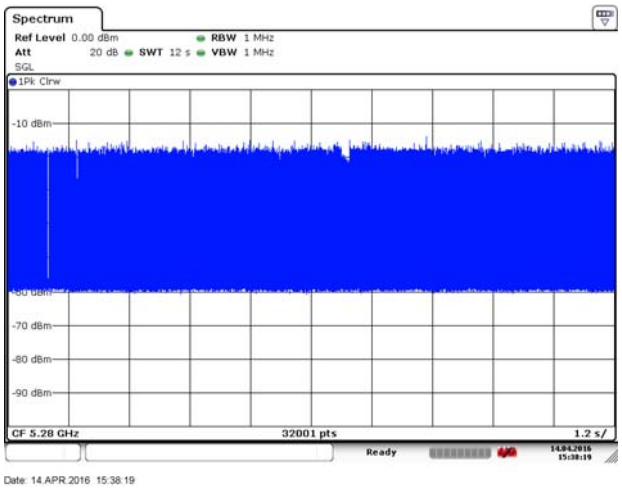
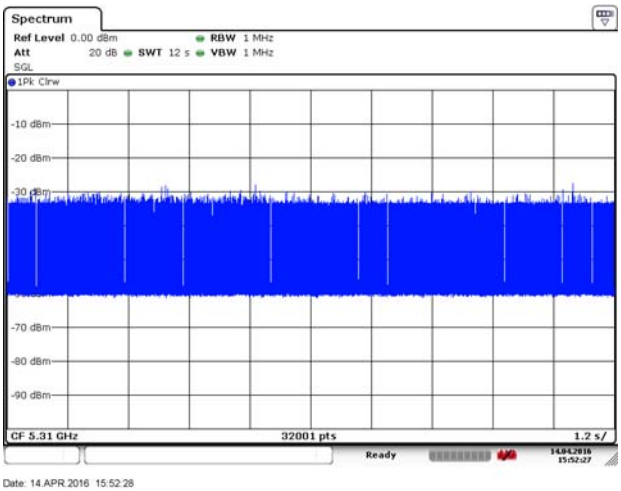
7.1.3. Test Setup for Data Traffic Plot

Test Date	2015/04/14	Temp./Hum.	25℃/55%

Test Mode: 20MHz	Test Mode: 40MHz
TX 5280MHz	TX 5310MHz
	

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7.2. Channel Move Time, Channel Closing Transmission Time, Non-Occupancy Period, Non-Associated Client Beacon Measurement

7.2.1. Limit

Parameter	Value
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
Non-Occupancy Period	Non-Occupancy Period time is 30 minute during which a Channel will not be utilized after a Radar Waveform is detected on that Channel
Non-Associated Client Beacon	The non-associated Client Beacon Test is during the 30 minutes observation time. The EUT should not make any transmissions in the DFS band after EUT power up.

Note 1: The instant that the Channel Move Time and the Channel Closing Transmission Time begins is as follows:

a. For the Short Pulse Radar Test Signals this instant is the end of the Burst.
b. For the Frequency Hopping radar Test Signal, this instant is the end of the last radar Burst generated.
c. For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the Radar Waveform.

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.

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7.2.2. Test Procedures

7.2.2.1. When a radar Burst with a level equal to the DFS Detection Threshold + 1dB is generated on the operating channel of the U-NII device. A U-NII device operating as a Client Device will associate with the Master of channel. Stream the MPEG test file from the Master Device to the Client Device on the selected channel for entire period of the test. At time to the radar waveform generator sends a Burst of pulses for each of the radar types at Detection Threshold + 1dB.

7.2.2.2. Observe the transmissions of the EUT at the end of the radar Burst on the Operating channel. Measure and record the transmissions from the EUT during the observation time [Channel Move Time]. One 10 Second plot bee reported for the short Pulse Radar type 1-4 and one for the Long Pulse Radar Type test in a 22 second plot. The plot for the Short Pulse Radar types start at the end of the radar burst. The Channel Move Time will be calculated based on the plot of the short Pulse Radar Type. The Long Pulse Radar Type plot show the device ceased transmissions within the 10 second window after detection has occurred. The plot for the Long Pulse Radar type should start at the beginning of the 12 second waveform.

7.2.2.3. Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume only transmissions on this channel.

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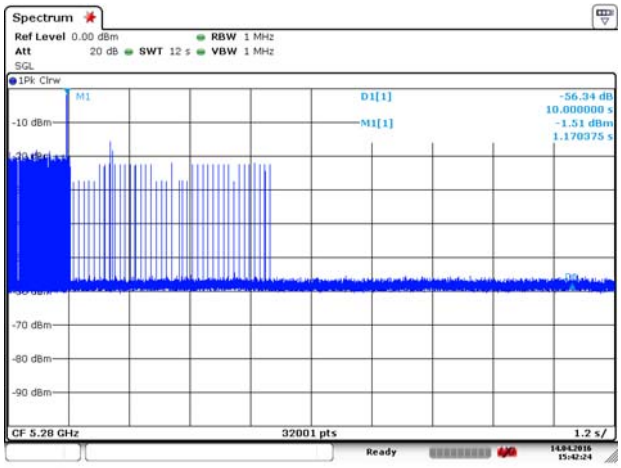
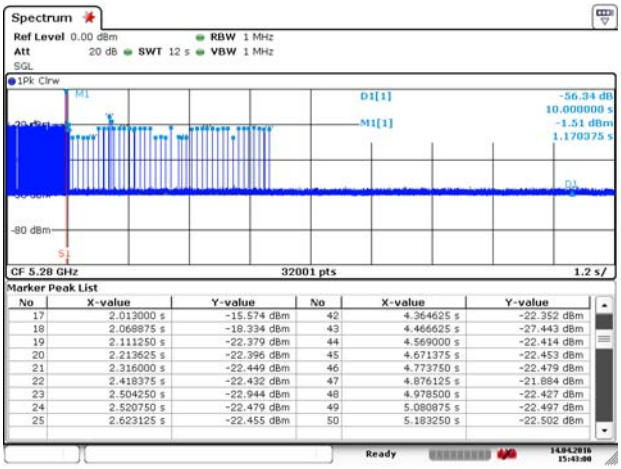
7.2.3. Test Result for Channel Closing Transmission Time & Channel Move Time

Test Date	2015/04/14	Temp./Hum.	25℃/55%
Test Mode	20MHz	Frequency	TX 5280MHz

Channel Closing Transmission Time	Channel move time < 10 S
	

No	X-value	Y-value	No	X-value	Y-value
17	2.013000 s	-15.574 dBm	42	4.364625 s	-22.352 dBm
18	2.068875 s	-18.334 dBm	43	4.466625 s	-27.443 dBm
19	2.111250 s	-22.379 dBm	44	4.569000 s	-22.414 dBm
20	2.213625 s	-22.396 dBm	45	4.671375 s	-22.453 dBm
21	2.316000 s	-22.449 dBm	46	4.773750 s	-22.479 dBm
22	2.418375 s	-22.432 dBm	47	4.876125 s	-21.884 dBm
23	2.504250 s	-22.944 dBm	48	4.978500 s	-22.427 dBm
24	2.520750 s	-22.479 dBm	49	5.080875 s	-22.497 dBm
25	2.623125 s	-22.455 dBm	50	5.183250 s	-22.502 dBm

Channel Closing Transmission Time Calculated	
Sweep Time(S) sec	12
Sweep points (P)	32001
Number of Sweep points in 10 sec (N)	50
Channel Closing Time (C) ms	18.75

Channel closing time is calculated from C=N* dwell; where dwell is the occupancy time per sweep point calculated by the formula: dwell=S/P. N is the number of sweep points indicating transmission after S1; where S1 is the radar signal detected

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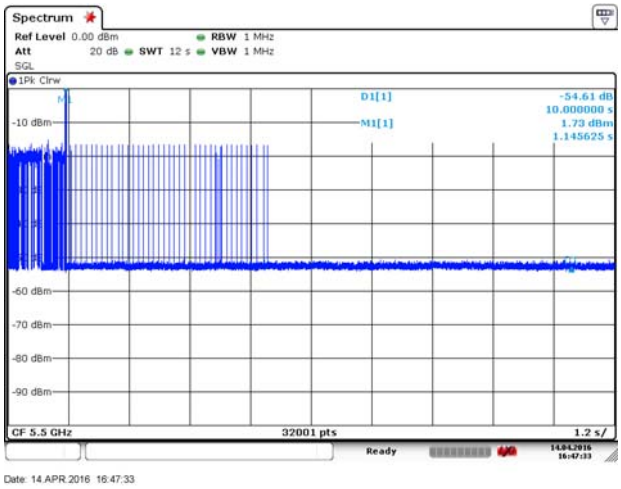
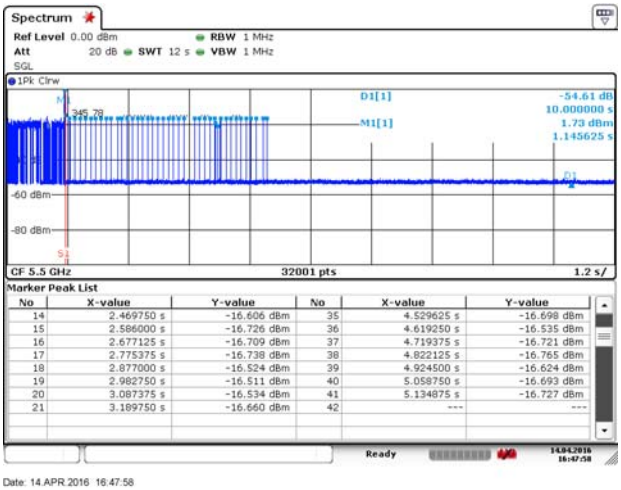
Test Date	2015/04/14	Temp./Hum.	25℃/55%
Test Mode	20MHz	Frequency	TX 5500MHz

Channel Closing Transmission Time	Channel move time < 10 S
	

Channel Closing Transmission Time Calculated	
Sweep Time(S) sec	12
Sweep points (P)	32001
Number of Sweep points in 10 sec (N)	41
Channel Closing Time (C) ms	15.37

Channel closing time is calculated from C=N* dwell; where dwell is the occupancy time per sweep point calculated by the formula: dwell=S/P. N is the number of sweep points indicating transmission after S1; where S1 is the radar signal detected

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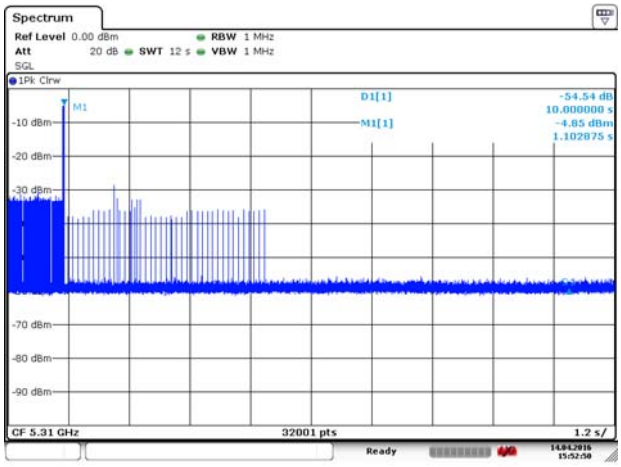
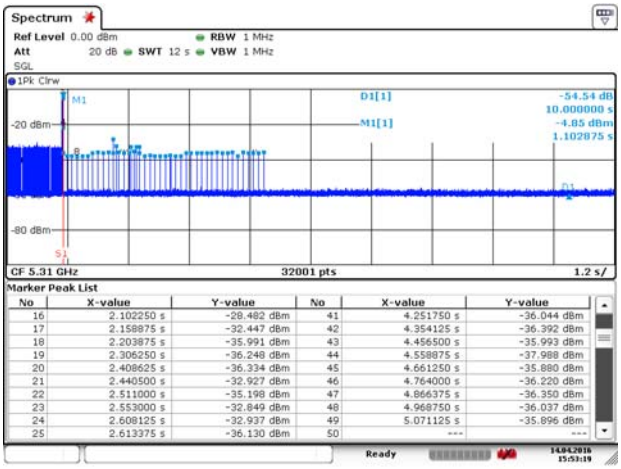
Test Date	2015/04/14	Temp./Hum.	25℃/55%
Test Mode	40MHz	Frequency	TX 5310MHz

Channel Closing Transmission Time	Channel move time < 10 S
	

No	X-value	Y-value	No	X-value	Y-value
16	2.102250 s	-28.482 dBm	41	4.251750 s	-36.044 dBm
17	2.158875 s	-32.447 dBm	42	4.354125 s	-36.392 dBm
18	2.203875 s	-35.991 dBm	43	4.456500 s	-35.993 dBm
19	2.306250 s	-36.248 dBm	44	4.558875 s	-37.988 dBm
20	2.408625 s	-36.334 dBm	45	4.661250 s	-35.880 dBm
21	2.440500 s	-32.927 dBm	46	4.764000 s	-36.220 dBm
22	2.511000 s	-35.198 dBm	47	4.866375 s	-36.350 dBm
23	2.553000 s	-32.849 dBm	48	4.968750 s	-36.037 dBm
24	2.608125 s	-32.937 dBm	49	5.071125 s	-35.896 dBm
25	2.613375 s	-36.130 dBm	50	---	---

Channel Closing Transmission Time Calculated	
Sweep Time(S) sec	12
Sweep points (P)	32001
Number of Sweep points in 10 sec (N)	49
Channel Closing Time (C) ms	18.37

Channel closing time is calculated from C=N* dwell; where dwell is the occupancy time per sweep point calculated by the formula: dwell=S/P. N is the number of sweep points indicating transmission after S1; where S1 is the radar signal detected

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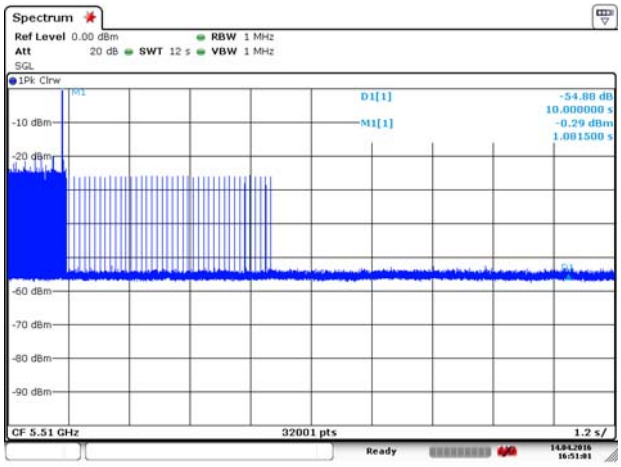
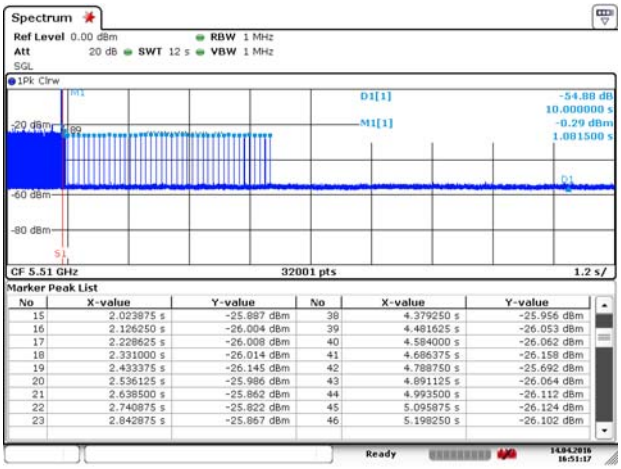
Test Date	2015/04/14	Temp./Hum.	25℃/55%
Test Mode	40MHz	Frequency	TX 5510MHz

Channel Closing Transmission Time	Channel move time < 10 S
	

Channel Closing Transmission Time Calculated	
Sweep Time(S) sec	12
Sweep points (P)	32001
Number of Sweep points in 10 sec (N)	46
Channel Closing Time (C) ms	17.25

Channel closing time is calculated from C=N* dwell; where dwell is the occupancy time per sweep point calculated by the formula: dwell=S/P. N is the number of sweep points indicating transmission after S1; where S1 is the radar signal detected

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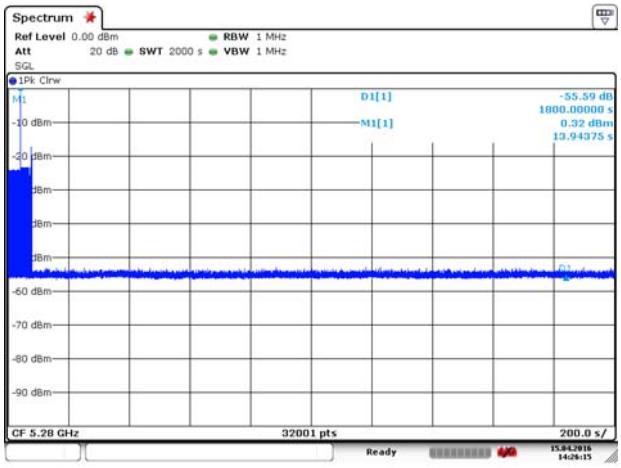
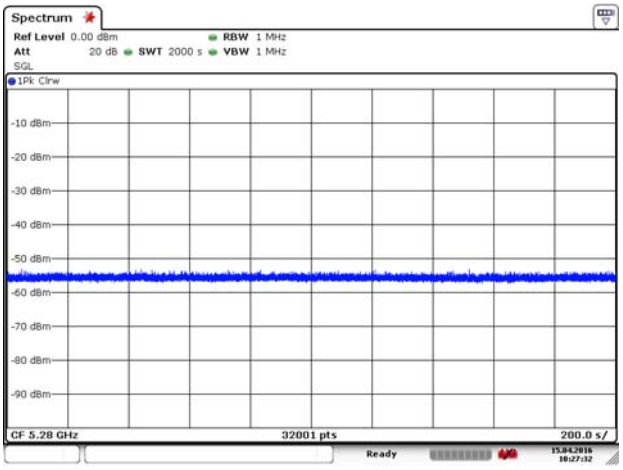
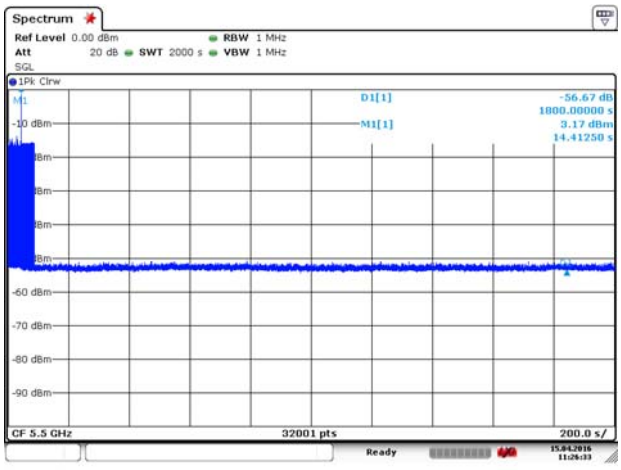
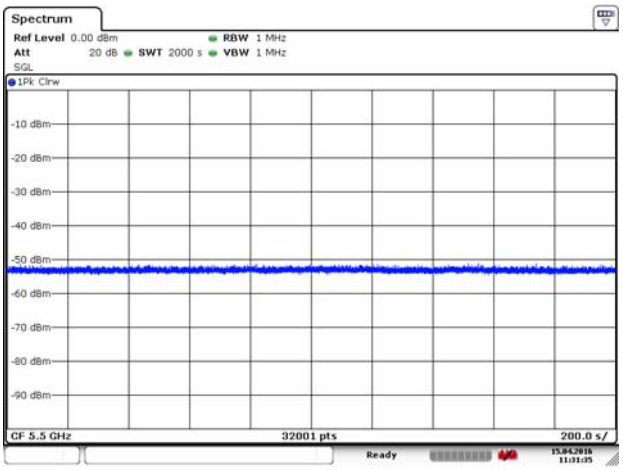
7.2.4. Test Result for Non-Occupancy Period, Non-associated Test

Test Date	2015/04/15	Temp./Hum.	25℃/55%
Test Mode	20MHz		

TX 5280MHz	
Non-Occupancy Period	Non-associated Test
	

TX 5500MHz	
Non-Occupancy Period	Non-associated Test
	

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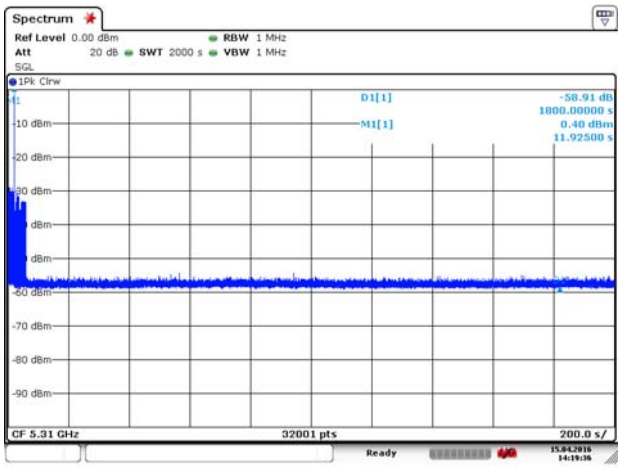
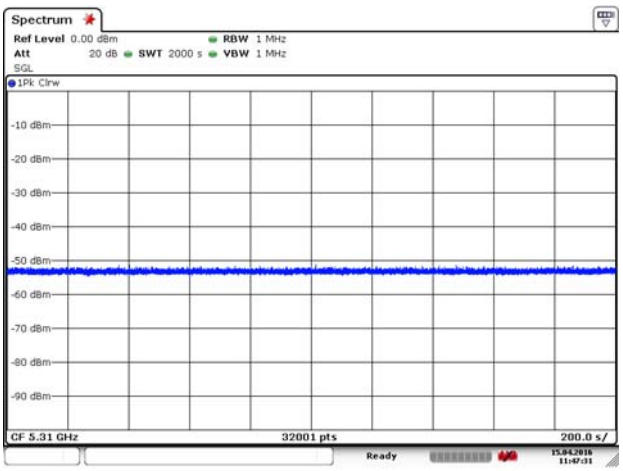
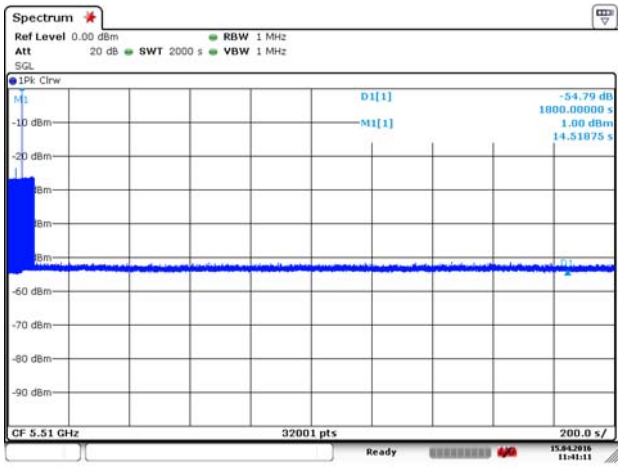
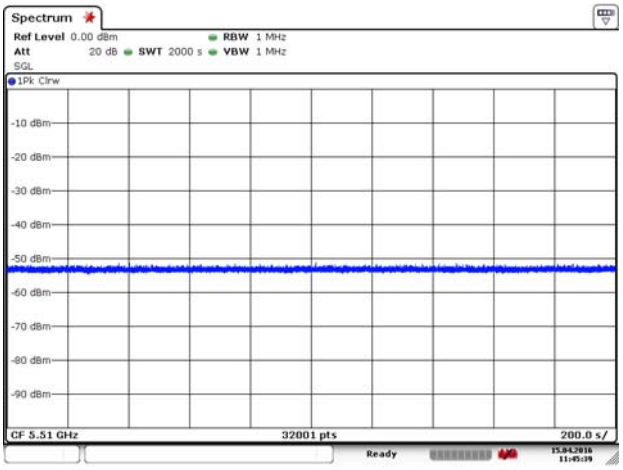
Test Date	2015/04/15	Temp./Hum.	25℃/55%
Test Mode	40MHz		

TX 5310MHz	
Non-Occupancy Period	Non-associated Test
	

TX 5510MHz	
Non-Occupancy Period	Non-associated Test
	

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