FCC RF Test Report

APPLICANT	:	Lenovo(Shanghai) Electronics Technology Co., Ltd.
EQUIPMENT	:	Portable Tablet Computer
BRAND NAME	:	Lenovo
MODEL NAME	:	Lenovo YT3-X90F
FCC ID	:	O57YT3X90F
STANDARD	:	FCC Part 15 Subpart E §15.407
CLASSIFICATION	:	(NII) Unlicensed National Information Infrastructure

The product was received on Jul. 08, 2015 and testing was completed on Aug. 04, 2015. We, SPORTON INTERNATIONAL (SHENZHEN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (SHENZHEN) INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

Testing Laboratory 2353

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APPENDIX A. CONDUCTED TEST RESULTS

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR570804-01D	Rev. 01	Initial issue of report	Sep. 02, 2015

SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	2.1049 15.403(i)	RSS-247 Section 6	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	RSS-247 Section 6	Maximum Conducted Output Power	FCC ≤24 dBm (depend on band) IC RSS-247 Section 6 Limit	Pass	-
3.3	15.407(a)	RSS-247 Section 6	Power Spectral Density	FCC ≤11 dBm (depend on band) IC RSS-247 Section 6 Limit	Pass	-
3.4	15.407(b)	RSS-247 Section 6	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 3.7 dB at 40.670 MHz
3.5	15.207	RSS-Gen 8.8	AC Conducted Emission	15.207(a)	Pass	Under limit 6.87 dB at 25.050 MHz
3.6	15.407(g)	-	Frequency Stability	Within Operation Band	Pass	-
3.7	15.407(c)	RSS-247 6.4(2)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.8	15.203 & 15.407(a)	N/A	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Lenovo(Shanghai) Electronics Technology Co., Ltd.
NO.68 BUILDING, 199 FENJU RD, China (Shanghai) Pilot Free Trade Zone, 200131, CHINA

1.2 Manufacturer

Lenovo PC HK Limited
23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong

1.3 Feature of Equipment Under Test

Product Feature & Specification	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	Lenovo YT3-X90F
FCC ID	O57YT3X90F
EUT supports Radios application	WLAN2.4GHz 802.11b/g/n HT20/ WLAN5GHz 802.11a/n HT20/HT40/ WLAN5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth v3.0 + EDR/Bluetooth v4.1 LE
HW Version	LenovoPad YT3-X90F
SW Version	YT3-X90F_150714
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5700 MHz
Maximum Output Power to Antenna	**<5180 MHz ~ 5240 MHz>** 802.11a : 14.97 dBm / 0.0314 W 802.11n HT20 : 15.24 dBm / 0.0334 W 802.11n HT40 : 14.78 dBm / 0.0301 W 802.11ac VHT20 : 15.22 dBm / 0.0333 W 802.11ac VHT40 : 15.13 dBm / 0.0326 W 802.11ac VHT80 : 14.65 dBm / 0.0292 W **<5260 MHz ~ 5320 MHz>** 802.11a : 14.81 dBm / 0.0303 W 802.11n HT20 : 14.95 dBm / 0.0313 W 802.11n HT40 : 14.37 dBm / 0.0274 W 802.11ac VHT20 : 14.72 dBm / 0.0296 W 802.11ac VHT40 : 14.80 dBm / 0.0303 W 802.11ac VHT80 : 14.43 dBm / 0.0277 W **<5500 MHz ~ 5700 MHz>** 802.11a : 12.99 dBm / 0.0199 W 802.11n HT20 : 16.06 dBm / 0.0404 W 802.11n HT40 : 15.00 dBm / 0.0316 W 802.11ac VHT20 : 14.43 dBm / 0.0277 W 802.11ac VHT40 : 14.54 dBm / 0.0284 W 802.11ac VHT80 : 13.77 dBm / 0.0238 W
99% Occupied Bandwidth	**<5180 MHz ~ 5240 MHz>** 802.11a : 18.40 MHz 802.11n HT20 : 19.10 MHz 802.11n HT40 : 36.80 MHz 802.11ac VHT20: 19.10 MHz 802.11ac VHT40 : 36.70 MHz 802.11ac VHT80 : 75.84 MHz **<5260 MHz ~ 5320 MHz>** 802.11a : 18.30 MHz 802.11n HT20 : 19.20 MHz 802.11n HT40 : 36.70 MHz 802.11ac VHT20: 19.10 MHz 802.11ac VHT40 : 36.80 MHz 802.11ac VHT80 : 75.96 MHz **<5500 MHz ~ 5700 MHz>** 802.11a : 18.35 MHz 802.11n HT20 : 19.15 MHz 802.11n HT40 : 36.90 MHz 802.11ac VHT20: 19.05 MHz 802.11ac VHT40 : 36.70 MHz 802.11ac VHT80 : 75.96 MHz

<table>
<tr><td>Antenna Type</td><td>PIFA Antenna</td></tr>
<tr><td>Antenna Gain</td><td><5180 MHz ~ 5240 MHz>:
Chain Port 0 : -1.80 dBi
Chain Port 1 : 0.80 dBi
<5260 MHz ~ 5320 MHz>:
Chain Port 0 : -1.60 dBi
Chain Port 1 : 0.80 dBi
<5500 MHz ~ 5700 MHz>:
Chain Port 0 : 0.10 dBi
Chain Port 1 : 1.20 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)</td></tr>
<tr><td>Antenna Function Description</td><td><table>
<tr><td></td><td>Chain Port 0</td><td>Chain Port 1</td></tr>
<tr><td>802.11a</td><td>V</td><td>V</td></tr>
<tr><td>802.11n/ac SISO</td><td>V</td><td>V</td></tr>
<tr><td>802.11n/ac MIMO</td><td>V</td><td>V</td></tr>
</table></td></tr>
</table>

1.5 Component List

Note: there are two types of EUT, the details refer the following table. According to the difference, we evaluate is not affect RF performance, so only choose sample 1 to perform RF test.

Component	Sample 1	Sample 2
CPU	Intel_Z8500 Cherry Trail T4 Z8500,2.55 GHz Quad Core	Intel_ Z8500 Cherry Trail T4 Z8500,2.55 GHz Quad Core
BT/WIFI Module	Broadcom_BCM4356XKUBG BT/WIFI;BCM4356XKUBG;WLBGA192	Broadcom_ BCM4356XKUBG BT/WIFI;BCM4356XKUBG;WLBGA192
Flash	Samsung_K3QF1F1 0EM AGCE EMMC;KLMAG2WEPD-B031;16GB; FBGA153 LPDDR3;K3QF1F1 OEM-AGCE； 1GB;1600Mbps	Toshiba & Micron_ ELPIDA FA164A2MA EMMC;THGBMFG7C2LBAIL;16GB;WFBGA 153LPDDR3;EDF8164A3MA-GD-F-R;1GB;1 600Mbps
LCM	AUO_B101QAN01 B101QAN01.0;10.1inch;IPS;2560x1600	Innolux_ P101SFA-AF0 P101SFA-AF0;10.1inch;IPS;2560x1600
TP	Ofilm_IST940E 152011 Yoga3 X10 _GFF TP MCF-101-2261	GIS_ S7813 5141 334 0037 ACFM727 YT3X10_GFF TC101GFL09V.B IST9400E
Front_camera	Sunny_F1521 CCM D5V13C 5M OV5693 COB 25PIN ZIF	Ofilm_ L5693F40 CCM L5693F40 5M OV5693 COB 25PIN ZIF
Back_camera	Sunny_F13M01D CCM F13M01D 13M AR1335 COB 30PIN BtoB	Ofilm_ L1335A00 CCM L1335A00 13M AR1335 COB 30PIN BtoB
Main Battery	SUNWODA_L15D2K32 L15D2K32	SCUD_ L15D2K32 L15D2K32
Ancillary Battery	SCUD_L15D1P31 L15D1P31	SUNWODA_ L15D1P31 L15D1P31

1.6 Modification of EUT

No modifications are made to the EUT during all test items.

1.7 Testing Location

Test Site	SPORTON INTERNATIONAL (KUNSHAN) INC.
Test Site Location	No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China TEL: +86-0512-5790-0158 FAX: +86-0512-5790-0958
Test Site No.	**Sporton Site No.**
	CO01-KS

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.
Test Site Location	1F & 2F, Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town, Nanshan District, Shenzhen, Guangdong, P. R. China TEL: +86-755-8637-9589 FAX: +86-755-8637-9595
Test Site No.	**Sporton Site No.**
	TH01-SZ

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.	
Test Site Location	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P. R. China TEL: +86-755- 3320-2398	
Test Site No.	**Sporton Site No.**	**FCC/IC Registration No.**
	03CH02-SZ	566869/4086F

Note: The test site complies with ANSI C63.4 2009 requirement.

1.8 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v01
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. FCC permits the use of the 1.5 meter table as an alternative in C63.10-2013 through inquiry tracking number 961829.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conducted emission (150 kHz to 30 MHz) and radiated emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

The final configuration from all the combinations and the worst-case data rates were investigated by measuring the maximum power across all the data rates and modulation modes under section 2.2.

Based on the worst configuration found above, the RF power setting is set individually to meet FCC compliance limit for the final conducted and radiated tests shown in section 2.3.

2.1 Carrier Frequency Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5180- 5240 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38	**5190**	**46**	**5230**
	40	5200	48	5240
	42	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5260-5320 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54	**5270**	**62**	**5310**
	56	5280	64	5320
	58	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5500-5700 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102	**5510**	116	5580
	104	5520	132	5660
	106	5530	**134**	**5670**
	108	5540	136	5680
	110	**5550**	140	5700

Note: The above Frequency and Channel in boldface were 802.11n HT40.

2.2 Pre-Scanned RF Power

Preliminary tests were performed in different data rate and data rate associated with the highest power were chosen for full test in the following tables. Final Output Power equals to Measured Output Power adds the duty factor.

WLAN 5GHz 802.11a Average Power (dBm)											
Power vs. Channel				Power vs. Data Rate							
Channel	Frequency (MHz)	Chain Port	Data Rate 6Mbps	Channel	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
CH 36	5180	0	14.33	CH 48	14.10	13.89	13.78	14.08	14.14	14.18	14.11
CH 44	5220	0	14.27								
CH 48	5240	0	**14.36**								
CH 52	5260	0	**13.29**	CH 52	12.79	12.73	12.78	12.89	13.08	13.03	12.89
CH 60	5300	0	12.99								
CH 64	5320	0	13.06								
CH 100	5500	0	**12.99**	CH 100	12.79	12.85	12.77	12.88	12.90	12.91	12.90
CH 116	5580	0	12.85								
CH 140	5700	0	12.38								
CH 36	5180	1	14.91	CH 48	14.71	14.81	14.58	14.83	14.83	14.95	14.87
CH 44	5220	1	14.93								
CH 48	5240	1	**14.97**								
CH 52	5260	1	**14.81**	CH 52	14.48	14.57	14.53	14.69	14.75	14.80	14.76
CH 60	5300	1	14.39								
CH 64	5320	1	14.58								
CH 100	5500	1	**12.76**	CH 100	12.57	12.42	12.51	12.64	12.65	12.74	12.68
CH 116	5580	1	12.58								
CH 140	5700	1	12.40								

WLAN 5GHz 802.11n-HT20 Average Power (dBm)											
Power vs. Channel				Power vs. Data Rate							
Channel	Frequency (MHz)	Chain Port	MCS Index MCS0	Channel	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 36	5180	0	13.68	CH 48	13.86	13.86	13.86	13.85	13.83	13.85	13.86
CH 44	5220	0	13.74								
CH 48	5240	0	**13.90**								
CH 52	5260	0	13.57	CH 60	13.58	13.57	13.61	13.58	13.51	13.59	13.58
CH 60	5300	0	**13.67**								
CH 64	5320	0	13.49								
CH 100	5500	0	**11.86**	CH 100	11.76	11.77	11.77	11.72	11.75	11.70	11.77
CH 116	5580	0	11.09								
CH 140	5700	0	11.47								
CH 36	5180	1	13.56	CH 48	13.98	13.96	13.96	13.92	13.91	13.95	13.96
CH 44	5220	1	13.75								
CH 48	5240	1	**14.00**								
CH 52	5260	1	13.69	CH 60	13.67	13.61	13.63	13.60	13.60	13.65	13.66
CH 60	5300	1	**13.71**								
CH 64	5320	1	13.45								
CH 100	5500	1	**12.20**	CH 100	11.90	11.95	12.04	12.10	12.18	12.09	12.15
CH 116	5580	1	11.74								
CH 140	5700	1	11.69								
Channel	Frequency (MHz)	Chain Port	MCS Index MCS8	Channel	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15
CH 36	5180	0+1(0)	**12.19**	CH 36	12.13	12.14	12.11	12.12	12.14	12.12	12.12
CH 44	5220	0+1(0)	12.00								
CH 48	5240	0+1(0)	12.04								
CH 52	5260	0+1(0)	11.78	CH 60	11.76	11.74	11.74	11.78	11.76	11.72	11.75
CH 60	5300	0+1(0)	**11.79**								
CH 64	5320	0+1(0)	11.65								
CH 100	5500	0+1(0)	**12.87**	CH 100	12.85	12.79	12.80	12.76	12.80	12.84	12.82
CH 116	5580	0+1(0)	12.20								
CH 140	5700	0+1(0)	12.06								
CH 36	5180	0+1(1)	**12.28**	CH 36	12.19	12.14	12.15	12.19	12.16	12.17	12.18
CH 44	5220	0+1(1)	12.26								
CH 48	5240	0+1(1)	12.19								
CH 52	5260	0+1(1)	12.06	CH 60	11.94	11.94	11.98	12.00	12.01	12.00	11.96
CH 60	5300	0+1(1)	**12.10**								
CH 64	5320	0+1(1)	12.16								
CH 100	5500	0+1(1)	**13.23**	CH 100	13.09	13.07	13.08	13.08	13.07	13.10	13.10
CH 116	5580	0+1(1)	13.09								
CH 140	5700	0+1(1)	13.08								
CH 36	5180	0+1	**15.24**	CH 36	15.17	15.15	15.14	15.16	15.16	15.15	15.16
CH 44	5220	0+1	15.14								
CH 48	5240	0+1	15.12								
CH 52	5260	0+1	14.93	CH 60	14.86	14.85	14.87	14.90	14.90	14.87	14.87
CH 60	5300	0+1	**14.95**								
CH 64	5320	0+1	14.92								
CH 100	5500	0+1	**16.06**	CH 100	15.99	15.94	15.95	15.93	15.95	15.98	15.97
CH 116	5580	0+1	15.67								
CH 140	5700	0+1	15.61								

WLAN 5GHz 802.11n-HT40 Average Power (dBm)											
Power vs. Channel				Power vs. Data Rate							
Channel	Frequency (MHz)	Chain Port	MCS Index MCS0	Channel	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
CH 38	5190	0	**12.49**	CH 38	12.47	12.44	12.40	12.39	12.45	12.45	12.47
CH 46	5230	0	12.42								
CH 54	5270	0	**11.99**	CH 54	11.91	11.88	11.84	11.87	11.92	11.94	11.97
CH 62	5310	0	11.87								
CH 102	5510	0	**11.50**	CH 102	11.40	11.40	11.33	11.32	11.41	11.45	11.49
CH 110	5550	0	11.42								
CH 134	5670	0	10.65								
CH 38	5190	1	**12.59**	CH 38	12.58	12.58	12.50	12.58	12.52	12.52	12.56
CH 46	5230	1	12.58								
CH 54	5270	1	**12.51**	CH 54	12.44	12.44	12.39	12.46	12.42	12.41	12.47
CH 62	5310	1	12.35								
CH 102	5510	1	**12.06**	CH 102	12.00	11.99	11.88	12.02	11.94	11.96	11.98
CH 110	5550	1	11.98								
CH 134	5670	1	11.42								
Channel	Frequency (MHz)	Chain Port	MCS Index MCS8	Channel	MCS9	MCS10	MCS11	MCS12	MCS13	MCS14	MCS15
CH 38	5190	0+1(0)	**11.72**	CH 38	11.59	11.60	11.63	11.59	11.66	11.61	11.67
CH 46	5230	0+1(0)	11.54								
CH 54	5270	0+1(0)	**10.95**	CH 54	10.82	10.78	10.79	10.76	10.77	10.75	10.82
CH 62	5310	0+1(0)	10.88								
CH 102	5510	0+1(0)	**11.72**	CH 102	11.49	11.55	11.60	11.50	11.62	11.55	11.66
CH 110	5550	0+1(0)	11.66								
CH 134	5670	0+1(0)	11.05								
CH 38	5190	0+1(1)	**11.81**	CH 38	11.72	11.71	11.76	11.69	11.75	11.73	11.75
CH 46	5230	0+1(1)	11.73								
CH 54	5270	0+1(1)	**11.74**	CH 54	11.59	11.64	11.66	11.62	11.64	11.61	11.61
CH 62	5310	0+1(1)	11.69								
CH 102	5510	0+1(1)	**12.24**	CH 102	12.06	12.13	12.21	12.07	12.15	12.14	12.22
CH 110	5550	0+1(1)	12.15								
CH 134	5670	0+1(1)	11.50								
CH 38	5190	0+1	**14.78**	CH 38	14.67	14.67	14.70	14.65	14.71	14.68	14.72
CH 46	5230	0+1	14.65								
CH 54	5270	0+1	**14.37**	CH 54	14.23	14.24	14.26	14.22	14.23	14.21	14.24
CH 62	5310	0+1	14.31								
CH 102	5510	0+1	**15.00**	CH 102	14.79	14.86	14.92	14.80	14.90	14.87	14.96
CH 110	5550	0+1	14.92								
CH 134	5670	0+1	14.29								

WLAN 5GHz 802.11ac VHT20 Average Power (dBm)												
Power vs. Channel				Power vs. Data Rate								
Channel	Frequency (MHz)	Chain Port	MCS Index MCS0	Channel	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
CH 36	5180	0	**12.06**	CH 36	12.05	12.02	11.97	12.03	12.00	12.00	11.92	11.89
CH 44	5220	0	11.93									
CH 48	5240	0	11.86									
CH 52	5260	0	**11.75**	CH 52	11.71	11.66	11.60	11.63	11.66	11.64	11.58	11.53
CH 60	5300	0	11.62									
CH 64	5320	0	11.64									
CH 100	5500	0	**10.95**	CH 100	10.85	10.88	10.81	10.86	10.87	10.85	10.72	10.75
CH 116	5580	0	10.19									
CH 140	5700	0	10.42									
CH 36	5180	1	**12.28**	CH 36	12.21	12.20	12.16	12.20	12.16	12.21	12.06	12.11
CH 44	5220	1	12.04									
CH 48	5240	1	12.15									
CH 52	5260	1	**11.98**	CH 52	11.97	11.94	11.89	11.95	11.92	11.92	11.84	11.86
CH 60	5300	1	11.56									
CH 64	5320	1	11.75									
CH 100	5500	1	**11.30**	CH 100	11.25	11.23	11.16	11.22	11.22	11.19	11.08	11.10
CH 116	5580	1	11.25									
CH 140	5700	1	10.78									
CH 36	5180	0+1(0)	**12.15**	CH 36	12.11	12.10	12.13	12.12	12.14	12.11	12.10	12.06
CH 44	5220	0+1(0)	11.96									
CH 48	5240	0+1(0)	11.88									
CH 52	5260	0+1(0)	**11.54**	CH 52	11.25	11.27	11.28	11.29	11.31	11.28	11.27	11.30
CH 60	5300	0+1(0)	11.36									
CH 64	5320	0+1(0)	11.18									
CH 100	5500	0+1(0)	**11.29**	CH 100	11.21	11.20	11.21	11.22	11.21	11.24	11.23	11.23
CH 116	5580	0+1(0)	10.93									
CH 140	5700	0+1(0)	10.60									
CH 36	5180	0+1(1)	**12.26**	CH 36	12.24	12.21	12.24	12.23	12.24	12.23	12.23	12.21
CH 44	5220	0+1(1)	12.09									
CH 48	5240	0+1(1)	11.86									
CH 52	5260	0+1(1)	**11.88**	CH 52	11.80	11.74	11.83	11.80	11.81	11.78	11.81	11.76
CH 60	5300	0+1(1)	11.64									
CH 64	5320	0+1(1)	11.72									
CH 100	5500	0+1(1)	**11.54**	CH 100	11.41	11.45	11.46	11.47	11.45	11.45	11.47	11.41
CH 116	5580	0+1(1)	11.37									
CH 140	5700	0+1(1)	11.31									
CH 36	5180	0+1	**15.22**	CH 36	15.19	15.16	15.19	15.19	15.20	15.18	15.18	15.15
CH 44	5220	0+1	15.04									
CH 48	5240	0+1	14.88									
CH 52	5260	0+1	**14.72**	CH 52	14.55	14.52	14.57	14.57	14.57	14.55	14.56	14.55
CH 60	5300	0+1	14.51									
CH 64	5320	0+1	14.47									
CH 100	5500	0+1	**14.43**	CH 100	14.32	14.33	14.35	14.36	14.34	14.36	14.37	14.33
CH 116	5580	0+1	14.17									
CH 140	5700	0+1	13.98									

WLAN 5GHz 802.11ac VHT40 Average Power (dBm)													
Power vs. Channel				Power vs. Data Rate									
Channel	Frequency (MHz)	Chain Port	MCS Index MCS0	Channel	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 38	5190	0	**12.50**	CH 38	12.42	12.40	12.43	12.37	12.36	12.41	12.44	12.42	12.42
CH 46	5230	0	12.40										
CH 54	5270	0	**12.22**	CH 54	12.12	12.09	12.10	12.04	12.05	12.09	12.12	12.09	12.07
CH 62	5310	0	12.04										
CH 102	5510	0	**11.28**	CH 102	11.18	11.12	11.12	11.12	11.05	11.16	11.17	11.16	11.18
CH 110	5550	0	10.97										
CH 134	5670	0	10.60										
CH 38	5190	1	**12.63**	CH 38	12.49	12.46	12.48	12.39	12.42	12.48	12.50	12.49	12.48
CH 46	5230	1	12.44										
CH 54	5270	1	**12.48**	CH 54	12.30	12.28	12.24	12.19	12.25	12.30	12.34	12.30	12.31
CH 62	5310	1	12.43										
CH 102	5510	1	**12.42**	CH 102	12.19	12.22	12.22	12.12	12.17	12.24	12.20	12.23	12.25
CH 110	5550	1	12.37										
CH 134	5670	1	12.35										
CH 38	5190	0+1(0)	**12.06**	CH 38	12.01	12.02	12.04	12.03	12.04	12.05	12.05	12.03	11.99
CH 46	5230	0+1(0)	11.86										
CH 54	5270	0+1(0)	**11.48**	CH 54	11.37	11.42	11.42	11.36	11.43	11.42	11.41	11.41	11.38
CH 62	5310	0+1(0)	11.37										
CH 102	5510	0+1(0)	**11.01**	CH 102	10.92	10.94	10.90	10.93	10.97	10.97	10.99	10.94	10.92
CH 110	5550	0+1(0)	10.85										
CH 134	5670	0+1(0)	10.96										
CH 38	5190	0+1(1)	**12.18**	CH 38	12.09	12.14	12.12	12.12	12.13	12.17	12.15	12.12	12.04
CH 46	5230	0+1(1)	11.95										
CH 54	5270	0+1(1)	**12.08**	CH 54	11.96	11.94	11.96	11.98	12.02	12.04	12.04	11.98	11.95
CH 62	5310	0+1(1)	11.94										
CH 102	5510	0+1(1)	**12.00**	CH 102	11.39	11.39	11.43	11.35	11.40	11.40	11.42	11.41	11.39
CH 110	5550	0+1(1)	11.91										
CH 134	5670	0+1(1)	11.94										
CH 38	5190	0+1	**15.13**	CH 38	15.06	15.09	15.09	15.09	15.09	15.12	15.11	15.09	15.02
CH 46	5230	0+1	14.91										
CH 54	5270	0+1	**14.80**	CH 54	14.69	14.70	14.71	14.70	14.74	14.75	14.75	14.71	14.68
CH 62	5310	0+1	14.67										
CH 102	5510	0+1	**14.54**	CH 102	14.17	14.18	14.18	14.16	14.20	14.20	14.22	14.19	14.17
CH 110	5550	0+1	14.42										
CH 134	5670	0+1	14.49										

WLAN 5GHz 802.11ac VHT80 Average Power (dBm)													
Power vs. Channel				Power vs. Data Rate									
Channel	Frequency (MHz)	Chain Port	MCS Index MCS0	Channel	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
CH 42	5210	0	**11.55**	CH 42	11.46	11.49	11.49	11.47	11.46	11.45	11.46	11.48	11.45
CH 058	5290	0	**11.04**	CH 058	10.91	10.95	10.97	10.92	10.93	10.91	10.94	10.89	10.90
CH 106	5530	0	**10.10**	CH 106	9.96	10.01	9.99	9.98	9.97	9.95	9.98	10.01	9.97
CH 122	5610	0	9.83										
CH 42	5210	1	**12.01**	CH 42	11.96	11.99	11.99	11.97	11.96	11.95	11.96	11.98	11.95
CH 058	5290	1	**11.89**	CH 058	11.79	11.85	11.81	11.81	11.78	11.79	11.81	11.80	11.80
CH 106	5530	1	**11.49**	CH 106	11.43	11.46	11.42	11.41	11.42	11.42	11.40	11.41	11.40
CH 122	5610	1	11.48										
CH 42	5210	0+1(0)	**11.32**	CH 42	11.28	11.31	11.28	11.31	11.31	11.26	11.30	11.29	11.31
CH 058	5290	0+1(0)	**10.98**	CH 058	10.88	10.95	10.90	10.88	10.94	10.87	10.90	10.91	10.94
CH 106	5530	0+1(0)	**9.94**	CH 106	9.87	9.84	9.85	9.91	9.87	9.82	9.88	9.88	9.84
CH 122	5610	0+1(0)	9.65										
CH 42	5210	0+1(1)	**11.94**	CH 42	11.90	11.91	11.89	11.93	11.92	11.87	11.90	11.90	11.91
CH 058	5290	0+1(1)	**11.82**	CH 058	11.72	11.76	11.73	11.79	11.77	11.74	11.74	11.76	11.74
CH 106	5530	0+1(1)	**11.45**	CH 106	11.17	11.21	11.21	11.27	11.25	11.21	11.23	11.24	11.24
CH 122	5610	0+1(1)	11.40										
CH 42	5210	0+1	**14.65**	CH 42	14.61	14.63	14.61	14.65	14.64	14.59	14.62	14.61	14.63
CH 058	5290	0+1	**14.43**	CH 058	14.33	14.38	14.35	14.37	14.39	14.34	14.35	14.36	14.37
CH 106	5530	0+1	**13.77**	CH 106	13.58	13.59	13.60	13.66	13.63	13.58	13.62	13.62	13.61
CH 122	5610	0+1	13.62										

Note: Chain Port 0+1 is a calculated result from sum of the power Chain Port 0+1(0) and Chain Port 0+1(1).

2.3 Test Mode

Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates from the power table described in section 2.2.

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0/MCS8
802.11n HT40	MCS0/MCS8
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + Earphone + USB Cable 1(Charging from Adapter 12V) + Battery 1 for Sample 1 Mode 2 : **Bluetooth Link + WLAN (5GHz) Link + Earphone + USB Cable 2(Charging from Adapter 5.2V) + Battery 2 for Sample 2**

Remark:

1. For Radiated TCs, the tests were performed with Adapter, Earphone, USB cable 1 and Sample 1.
2. The worst case of conducted emission is mode 2; only the test data of it was reported.

Ch. #		Band I：5180-5240 MHz	Band II：5260-5320 MHz	Band III：5500-5700MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I：5180-5240 MHz	Band II：5260-5320 MHz	Band III：5500-5700MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I：5180-5240 MHz	Band II：5260-5320 MHz	Band III：5500-5700MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134

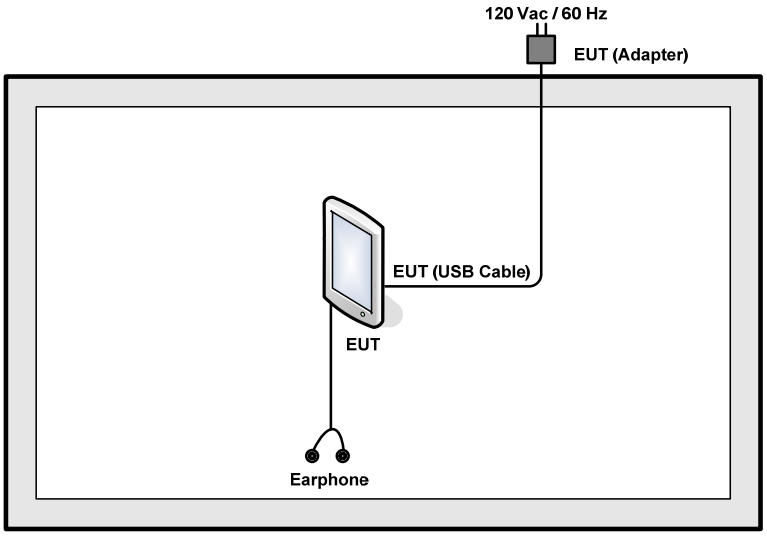
Ch. #		Band I：5180-5240 MHz	Band II：5260-5320 MHz	Band III：5500-5700MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

Ch. #		Band I：5180-5240 MHz	Band II：5260-5320 MHz	Band III：5500-5700MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134

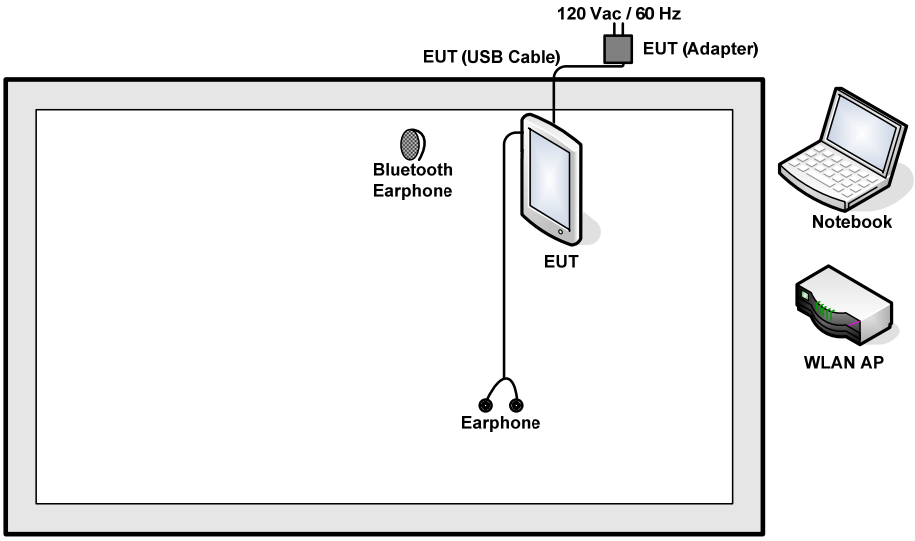
Ch. #		Band I：5180-5240 MHz	Band II：5260-5320 MHz	Band III：5500-5700MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122

2.4 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.5 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Lenovo	G480	PRC4	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
2.	WLAN AP	LINKSYS	WRT600N	Q87-WRT600NV11	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Lenovo	LBH505	N/A	N/A	N/A
4.	DC Power Supply	GW INSTEK	GPD-2303S	N/A	N/A	Unshielded, 1.8 m
5.	Earphone	Lenovo	LH102	N/A	N/A	Unshielded, 1.2 m

2.6 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuously transmit/receive.

For AC power line conducted emissions, the EUT was set to connect with the Notebook under large package sizes transmission.

2.7 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 6.5 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 6.5 + 10 = 16.5 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

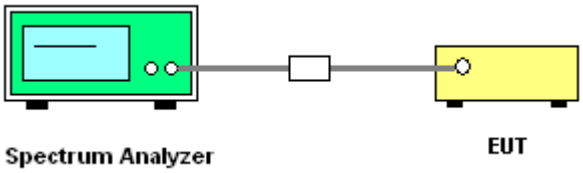
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1MHz and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

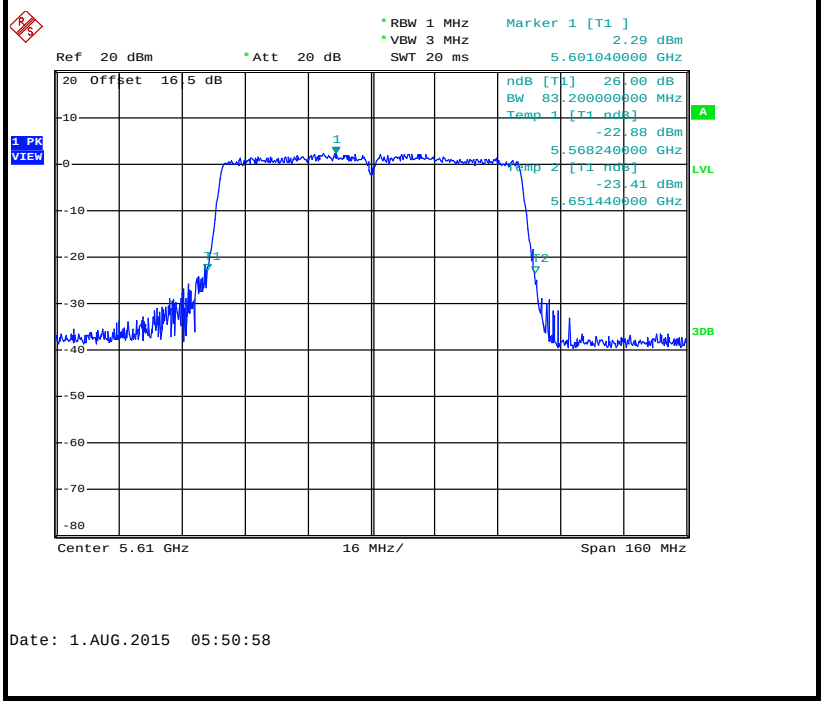
3.1.4 Test Setup



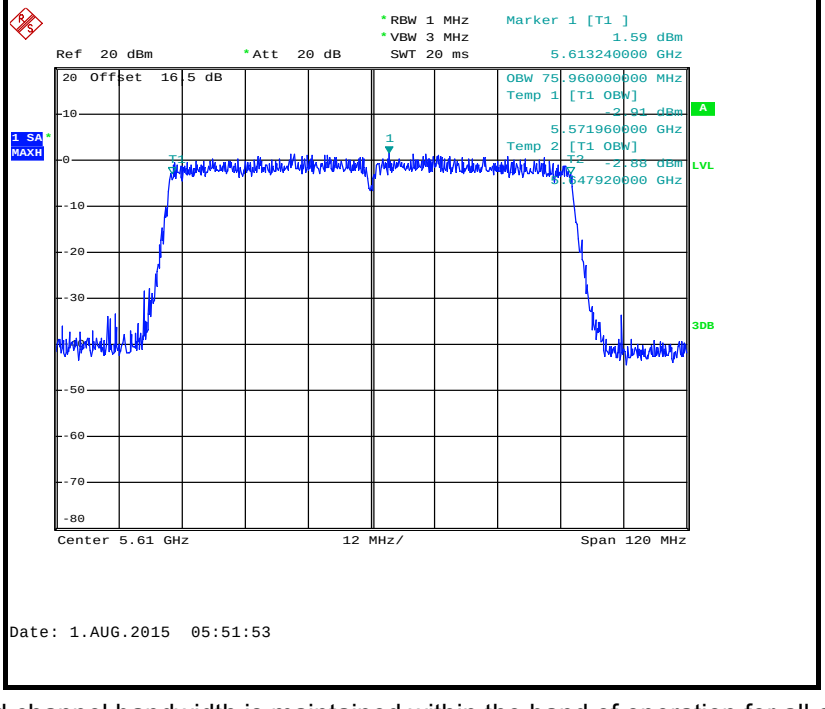
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth Plots

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



Note : The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

<IC RSS-247 Section 6>

For the 5.15–5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10 B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.

For the 5.25–5.35 GHz band, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log10 B, dBm, whichever power is less.

For the 5.47–5.6 GHz and 5.65–5.725 GHz band, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log10 B, dBm, whichever power is less.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

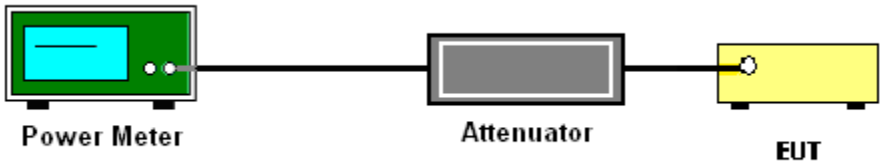
3.2.3 Test Procedures

The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, 10 log(1/x), where x is the duty cycle.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.35 GHz and 5.47–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

<IC RSS-247 Section 6>

For the 5.15–5.25 GHz band, the e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

For the 5.25–5.35 GHz band, the power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For the 5.47–5.6 GHz and 5.65–5.725 GHz band, the power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.
Section F) Maximum power spectral density.

 # Method SA-2 #

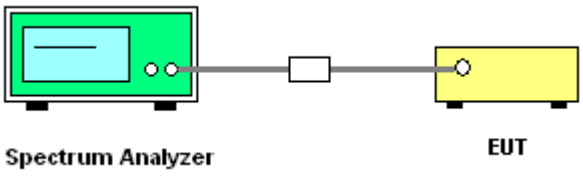
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

1. The testing follows Method SA-2 of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.
   - Measure the duty cycle.
   - Set span to encompass the entire emission bandwidth (EBW) of the signal.
   - Set RBW = 1 MHz.
   - Set VBW ≥ 3 MHz.
   - Number of points in sweep ≥ 2 Span / RBW.
   - Sweep time = auto.
   - Detector = RMS
   - Trace average at least 100 traces in power averaging mode.
   - Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.
2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
4. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (1): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

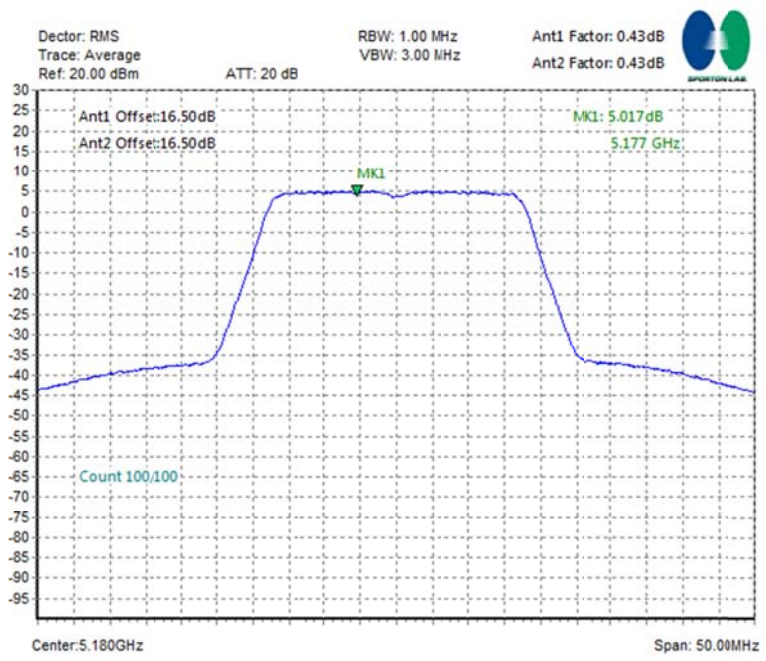
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Spectral Density(dBm/MHz)



3.4 Unwanted Radiated Emission Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part15.205.

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

(2) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

EIRP (dBm)	Field Strength at 3m (dBµV/m)
-17	78.3
- 27	68.3

(3) KDB789033 v01 G)2)c) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01. Section G) Unwanted emissions measurement.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 kHz
   - VBW = 300 kHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

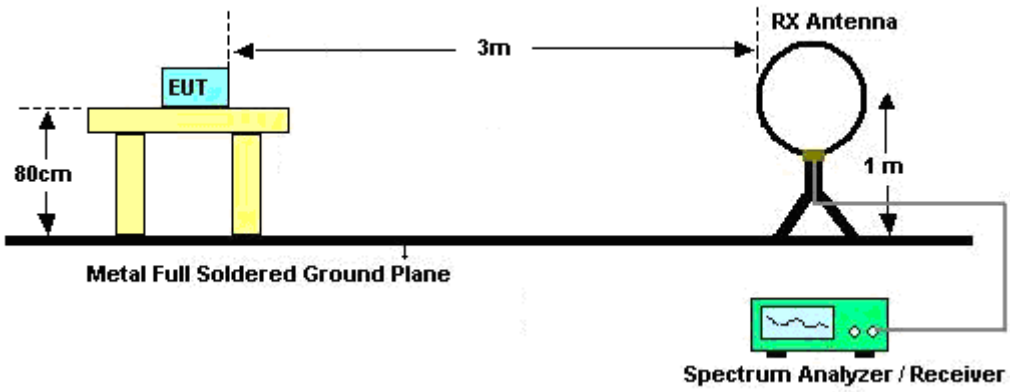
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
0	802.11a	92.857	1.430	0.699	1kHz
1	802.11a	92.857	1.430	0.699	1kHz
0+1	802.11n HT20	90.676	0.992	1.008	3kHz
0+1	802.11n HT40	82.781	0.500	2.000	3kHz
0+1	802.11n VHT20	87.484	0.693	1.442	3kHz
0+1	802.11n VHT40	87.313	0.702	1.425	3kHz
0+1	802.11n VHT80	66.438	0.194	5.155	10kHz

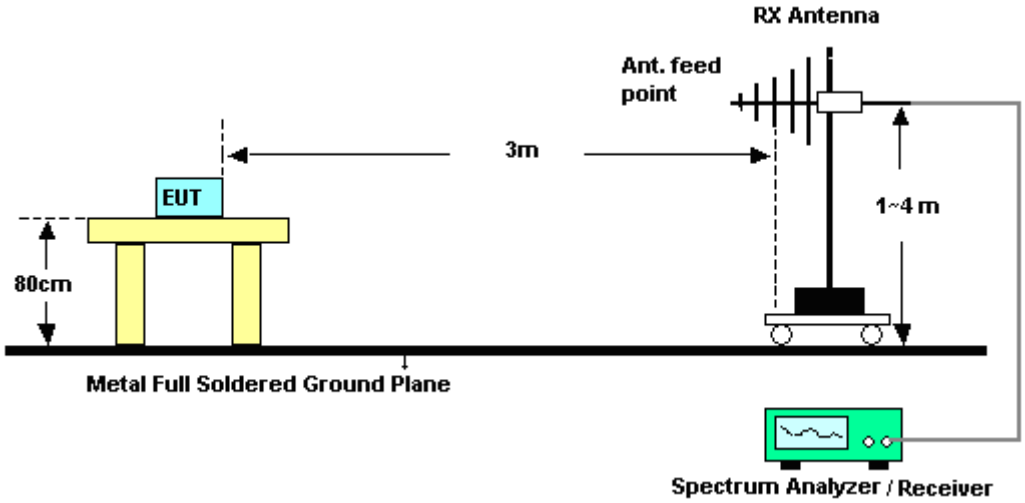
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

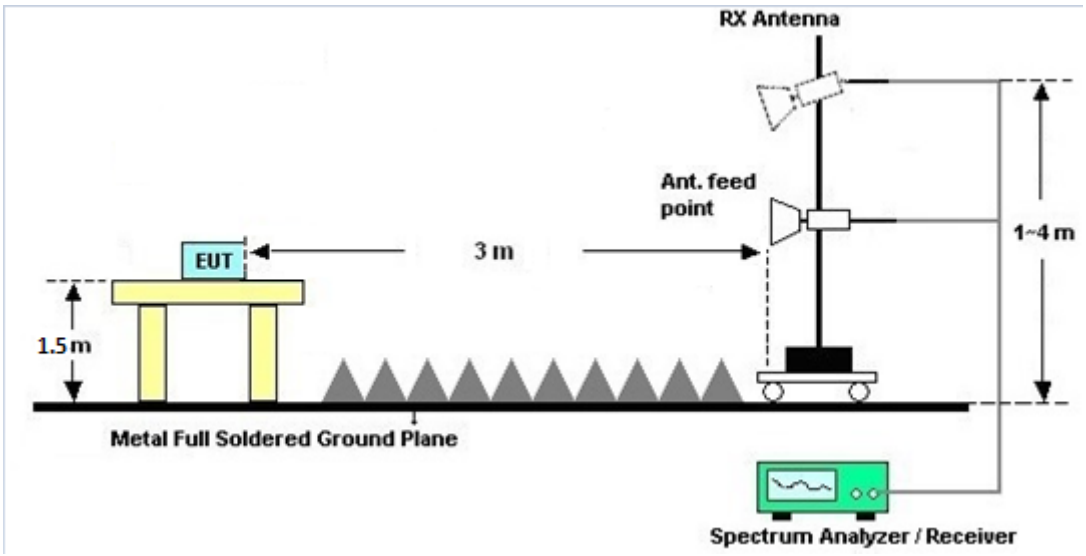
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix B.

3.4.7 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

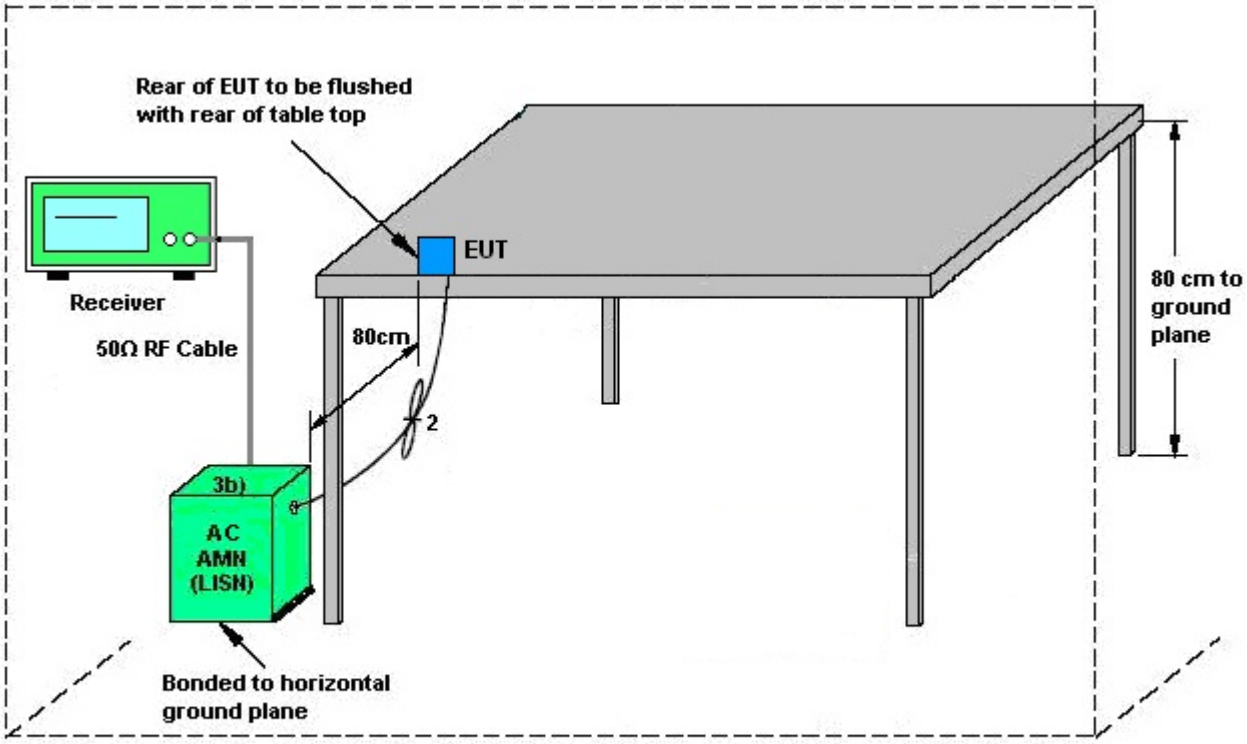
3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

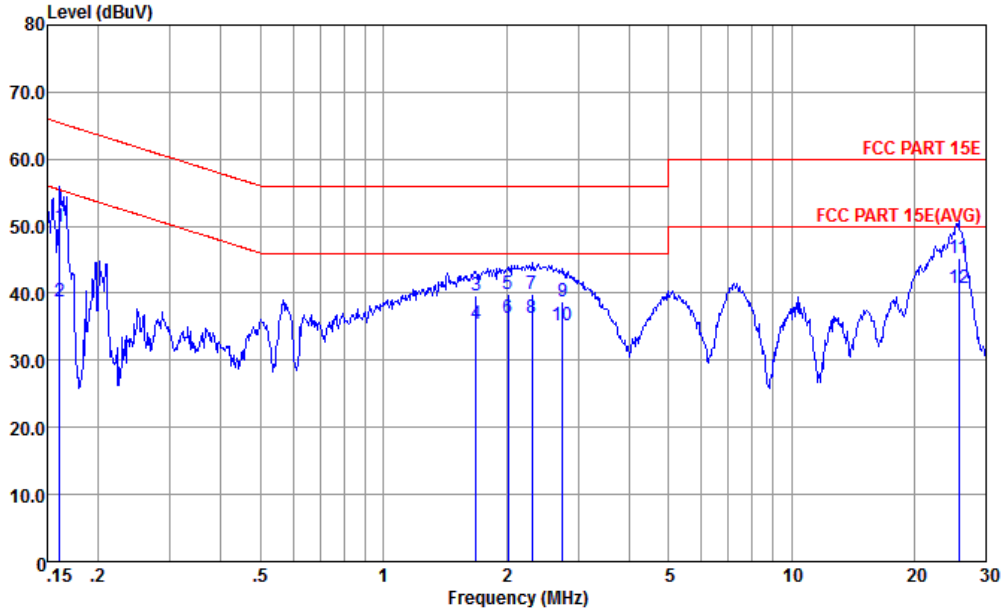
3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Test Mode :	Mode 2	**Temperature :**	22~24℃
Test Engineer :	Eko Guan	**Relative Humidity :**	42~44%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	Bluetooth Link + WLAN (5GHz) Link + Earphone + USB Cable 2(Charging from Adapter 5.2V) + Battery 2 for Sample 2		

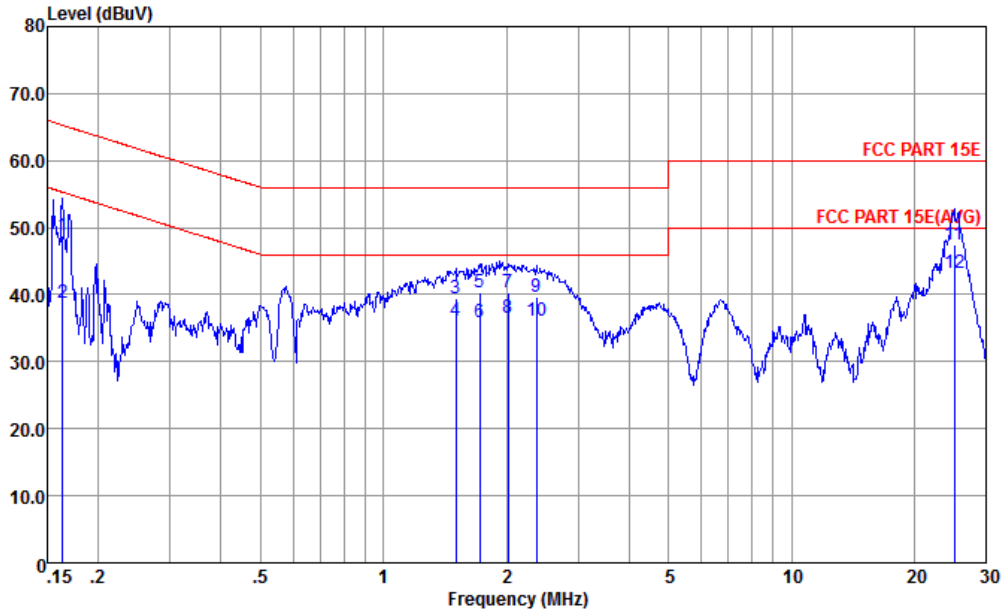


Site : CO01-KS
Condition : FCC PART 15E LISN-L20140306 LINE

mode : Mode 2

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	49.96	-15.47	65.43	37.80	1.77	10.39	QP
2	0.16	38.66	-16.77	55.43	26.50	1.77	10.39	Average
3	1.69	39.59	-16.41	56.00	28.80	0.10	10.69	QP
4	1.69	35.39	-10.61	46.00	24.60	0.10	10.69	Average
5	2.02	39.90	-16.10	56.00	29.10	0.10	10.70	QP
6	2.02	36.40	-9.60	46.00	25.60	0.10	10.70	Average
7	2.31	39.93	-16.07	56.00	29.10	0.11	10.72	QP
8	2.31	36.43	-9.57	46.00	25.60	0.11	10.72	Average
9	2.75	38.68	-17.32	56.00	27.81	0.12	10.75	QP
10	2.75	35.18	-10.82	46.00	24.31	0.12	10.75	Average
11	25.73	45.13	-14.87	60.00	33.90	0.10	11.13	QP
12 *	25.73	40.83	-9.17	50.00	29.60	0.10	11.13	Average

Test Mode :	Mode 2	**Temperature :**	22~24℃
Test Engineer :	Eko Guan	**Relative Humidity :**	42~44%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Function Type :	Bluetooth Link + WLAN (5GHz) Link + Earphone + USB Cable 2(Charging from Adapter 5.2V) + Battery 2 for Sample 2		



Site : CO01-KS
Condition : FCC PART 15E LISN-N20140306 NEUTRAL

mode : Mode 2

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	48.88	-16.42	65.30	36.80	1.68	10.40	QP
2	0.16	38.88	-16.42	55.30	26.80	1.68	10.40	Average
3	1.50	39.38	-16.62	56.00	28.60	0.10	10.68	QP
4	1.50	36.08	-9.92	46.00	25.30	0.10	10.68	Average
5	1.73	40.29	-15.71	56.00	29.50	0.10	10.69	QP
6	1.73	35.89	-10.11	46.00	25.10	0.10	10.69	Average
7	2.02	40.40	-15.60	56.00	29.60	0.10	10.70	QP
8	2.02	36.60	-9.40	46.00	25.80	0.10	10.70	Average
9	2.37	39.63	-16.37	56.00	28.80	0.11	10.72	QP
10	2.37	36.03	-9.97	46.00	25.20	0.11	10.72	Average
11	25.05	47.53	-12.47	60.00	36.20	0.20	11.13	QP
12 *	25.05	43.13	-6.87	50.00	31.80	0.20	11.13	Average

3.6 Frequency Stability Measurement

3.6.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

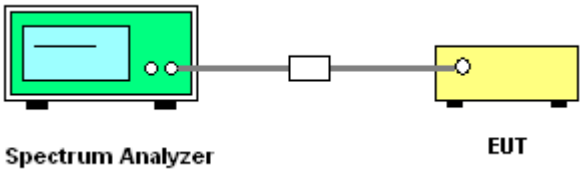
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. To ensure emission at the band edge is maintained within the authorized band, those values shall be measured by radiation emissions at upper and lower frequency points, and finally compensated by frequency deviation as procedures below.
2. The EUT was operated at the maximum output power, and connected to the spectrum analyzer, which is set to maximum hold function and peak detector. The peak value of the power envelope was measured and noted. The upper and lower frequency points were respectively measured relatively 10dB lower than the measured peak value.
3. The frequency deviation was calculated by adding the upper frequency point and the lower frequency point divided by two. Those detailed values of frequency deviation are provided in table below.

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.

3.7 Automatically Discontinue Transmission

3.7.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.7.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

3.8 Antenna Requirements

3.8.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

The EUT supports CDD mode.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain “DG” is calculated as following table.

	Chain Port 0 (dBi)	Chain Port 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	-1.80	0.80	2.61	2.61	0.00	0.00
Band II	-1.60	0.80	2.69	2.69	0.00	0.00
Band III	0.10	1.20	3.68	3.68	0.00	0.00

Power Limit Reduction = DG(Power) – 6dBi, (min = 0)

PSD Limit Reduction = DG(PSD) – 6dBi, (min = 0)

4 List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP30	101400	9kHz~30GHz	Jan. 28, 2015	Aug. 01, 2015	Jan. 27, 2016	Conducted (TH01-SZ)
Pulse Power Senor	Anritsu	MA2411B	1207253	30MHz~40GHz	Jan. 28, 2015	Aug. 01, 2015	Jan. 27, 2016	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Jan. 28, 2015	Aug. 01, 2015	Jan. 27, 2016	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Sep. 16, 2015	Aug. 01, 2015	Sep. 15, 2015	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz; Max 30dBm	Oct. 14, 2014	Aug. 04, 2015	Oct. 13, 2015	Radiation (03CH02-SZ)
Spectrum Analyzer	R&S	FSV40	101041	10kHz~40GHz; Max 30dBm	Oct. 15, 2014	Aug. 04, 2015	Oct. 14, 2015	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	May 06, 2015	Aug. 04, 2015	May 05, 2016	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	23188	30MHz~2GHz	Nov. 07, 2014	Aug. 04, 2015	Nov. 06, 2015	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1285	1GHz~18GHz	Jan. 20, 2015	Aug. 04, 2015	Jan. 19, 2016	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz-40GHz	Sep. 04, 2014	Aug. 04, 2015	Sep. 03, 2015	Radiation (03CH02-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz~3000MHz / 30 dB	Jan. 28, 2015	Aug. 04, 2015	Jan. 27, 2016	Radiation (03CH02-SZ)
Amplifier	Agilent	8449B	3008A01023	1GHz~26.5GHz	Oct. 29, 2014	Aug. 04, 2015	Oct. 28, 2015	Radiation (03CH02-SZ)
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 18, 2015	Aug. 04, 2015	Jul. 17, 2016	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010002470	N/A	NCR	Aug. 04, 2015	NCR	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Aug. 04, 2015	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Aug. 04, 2015	NCR	Radiation (03CH02-SZ)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	May 04, 2015	Jul. 27, 2015	May 03, 2016	Conduction (CO01-KS)
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 25, 2014	Jul. 27, 2015	Oct. 24, 2015	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Oct. 25, 2014	Jul. 27, 2015	Oct. 24, 2015	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP000000811	AC 0V~300V, 45Hz~1000Hz	Oct. 25, 2014	Jul. 27, 2015	Oct. 24, 2015	Conduction (CO01-KS)

5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.3 dB**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5 dB**

Appendix A. Conducted Test Results

Test Engineer:	Tiny You	Temperature:	21~25	°C
Test Date:	2015/8/1	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	36	5180	18.40	18.40		23.50	-		22.65	22.65		
11a	6Mbps	1	44	5220	18.35	18.35		23.05	-		22.64	22.64		
11a	6Mbps	1	48	5240	17.25	17.25		20.75	-		22.37	22.37		
HT20	MCS0	1	36	5180	19.05	19.05		23.35	-		22.80	22.80		
HT20	MCS0	1	44	5220	19.05	19.05		23.55	-		22.80	22.80		
HT20	MCS0	1	48	5240	18.00	18.00		20.90	-		22.55	22.55		
HT40	MCS0	1	38	5190	36.80	36.80		41.67	-		23.01	23.01		
HT40	MCS0	1	46	5230	36.70	36.70		41.67	-		23.01	23.01		
VHT20	MCS0	1	36	5180	19.05	19.05		23.20	-		22.80	22.80		
VHT20	MCS0	1	44	5220	19.10	19.10		23.30	-		22.81	22.81		
VHT20	MCS0	1	48	5240	18.05	18.05		20.95	-		22.56	22.56		
VHT40	MCS0	1	38	5190	36.70	36.70		41.67	-		23.01	23.01		
VHT40	MCS0	1	46	5230	36.70	36.70		41.67	-		23.01	23.01		
VHT80	MCS0	1	42	5210	75.84	75.84		82.56	-		23.01	23.01		
HT20	MCS8	2	36	5180	19.10	18.95	23.55	23.15	-		22.78			
HT20	MCS8	2	44	5220	19.10	19.00	23.40	23.20	-		22.79			
HT20	MCS8	2	48	5240	18.00	18.00	21.00	20.85	-		22.55			
HT40	MCS8	2	38	5190	36.70	36.80	41.67	41.31	-		23.01			
HT40	MCS8	2	46	5230	36.70	36.70	41.49	41.40	-		23.01			
VHT20	MCS0	2	36	5180	19.05	18.95	23.35	23.20	-		22.78			
VHT20	MCS0	2	44	5220	19.00	18.90	23.45	23.25	-		22.76			
VHT20	MCS0	2	48	5240	17.95	18.05	20.80	20.90	-		22.54			
VHT40	MCS0	2	38	5190	36.70	36.60	41.58	41.31	-		23.01			
VHT40	MCS0	2	46	5230	36.70	36.70	41.67	41.40	-		23.01			
VHT80	MCS0	2	42	5210	75.84	75.84	82.56	82.08	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	36	5180	0.32	0.32	14.33	14.91		24.00	24.00	-1.80	0.80		Pass
11a	6Mbps	1	44	5220	0.32	0.32	14.27	14.93		24.00	24.00	-1.80	0.80		Pass
11a	6Mbps	1	48	5240	0.32	0.32	14.36	14.97		24.00	24.00	-1.80	0.80		Pass
HT20	MCS0	1	36	5180	0.22	0.22	13.68	13.56		24.00	24.00	-1.80	0.80		Pass
HT20	MCS0	1	44	5220	0.22	0.22	13.74	13.75		24.00	24.00	-1.80	0.80		Pass
HT20	MCS0	1	48	5240	0.22	0.22	13.90	14.00		24.00	24.00	-1.80	0.80		Pass
HT40	MCS0	1	38	5190	0.44	0.44	12.49	12.59		24.00	24.00	-1.80	0.80		Pass
HT40	MCS0	1	46	5230	0.44	0.44	12.42	12.58		24.00	24.00	-1.80	0.80		Pass
VHT20	MCS0	1	36	5180	0.21	0.21	12.06	12.28		24.00	24.00	-1.80	0.80		Pass
VHT20	MCS0	1	44	5220	0.21	0.21	11.93	12.04		24.00	24.00	-1.80	0.80		Pass
VHT20	MCS0	1	48	5240	0.21	0.21	11.86	12.15		24.00	24.00	-1.80	0.80		Pass
VHT40	MCS0	1	38	5190	0.59	0.59	12.50	12.63		24.00	24.00	-1.80	0.80		Pass
VHT40	MCS0	1	46	5230	0.59	0.59	12.40	12.44		24.00	24.00	-1.80	0.80		Pass
VHT80	MCS0	1	42	5210	1.13	1.13	11.55	12.01		24.00	24.00	-1.80	0.80		Pass
HT20	MCS8	2	36	5180	0.43	0.43	12.19	12.28	15.24	24.00		2.61			Pass
HT20	MCS8	2	44	5220	0.43	0.43	12.00	12.26	15.14	24.00		2.61			Pass
HT20	MCS8	2	48	5240	0.43	0.43	12.04	12.19	15.12	24.00		2.61			Pass
HT40	MCS8	2	38	5190	0.82	0.82	11.72	11.81	14.78	24.00		2.61			Pass
HT40	MCS8	2	46	5230	0.82	0.82	11.54	11.73	14.65	24.00		2.61			Pass
VHT20	MCS0	2	36	5180	0.58	0.58	12.15	12.26	15.22	24.00		2.61			Pass
VHT20	MCS0	2	44	5220	0.58	0.58	11.96	12.09	15.04	24.00		2.61			Pass
VHT20	MCS0	2	48	5240	0.58	0.58	11.88	11.86	14.88	24.00		2.61			Pass
VHT40	MCS0	2	38	5190	0.59	0.59	12.06	12.08	15.13	24.00		2.61			Pass
VHT40	MCS0	2	46	5230	0.59	0.59	11.86	11.94	14.91	24.00		2.61			Pass
VHT80	MCS0	2	42	5210	1.78	1.78	11.32	11.94	14.65	24.00		2.61			Pass

Report Number : FR570804-01D

TEST RESULTS DATA
Power Spectral Density

FCC Band I															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	36	5180	0.32	0.32		5.01		11.00	11.00	-1.80	0.80		Pass
11a	6Mbps	1	44	5220	0.32	0.32		4.57		11.00	11.00	-1.80	0.80		Pass
11a	6Mbps	1	48	5240	0.32	0.32		4.77		11.00	11.00	-1.80	0.80		Pass
HT20	MCS0	1	36	5180	0.22	0.22		2.39		11.00	11.00	-1.80	0.80		Pass
HT20	MCS0	1	44	5220	0.22	0.22		2.13		11.00	11.00	-1.80	0.80		Pass
HT20	MCS0	1	48	5240	0.22	0.22		2.28		11.00	11.00	-1.80	0.80		Pass
HT40	MCS0	1	38	5190	0.44	0.44		-1.75		11.00	11.00	-1.80	0.80		Pass
HT40	MCS0	1	46	5230	0.44	0.44		-1.78		11.00	11.00	-1.80	0.80		Pass
VHT20	MCS0	1	36	5180	0.21	0.21		0.73		11.00	11.00	-1.80	0.80		Pass
VHT20	MCS0	1	44	5220	0.21	0.21		0.57		11.00	11.00	-1.80	0.80		Pass
VHT20	MCS0	1	48	5240	0.21	0.21		0.66		11.00	11.00	-1.80	0.80		Pass
VHT40	MCS0	1	38	5190	0.59	0.59		-1.44		11.00	11.00	-1.80	0.80		Pass
VHT40	MCS0	1	46	5230	0.59	0.59		-1.61		11.00	11.00	-1.80	0.80		Pass
VHT80	MCS0	1	42	5210	1.13	1.13		-5.03		11.00	11.00	-1.80	0.80		Pass
HT20	MCS8	2	36	5180	0.43	0.43			5.02	11.00		2.61			Pass
HT20	MCS8	2	44	5220	0.43	0.43			4.79	11.00		2.61			Pass
HT20	MCS8	2	48	5240	0.43	0.43			4.83	11.00		2.61			Pass
HT40	MCS8	2	38	5190	0.82	0.82			0.78	11.00		2.61			Pass
HT40	MCS8	2	46	5230	0.82	0.82			0.31	11.00		2.61			Pass
VHT20	MCS0	2	36	5180	0.58	0.58			3.04	11.00		2.61			Pass
VHT20	MCS0	2	44	5220	0.58	0.58			2.84	11.00		2.61			Pass
VHT20	MCS0	2	48	5240	0.58	0.58			2.81	11.00		2.61			Pass
VHT40	MCS0	2	38	5190	0.59	0.59			0.24	11.00		2.61			Pass
VHT40	MCS0	2	46	5230	0.59	0.59			0.26	11.00		2.61			Pass
VHT80	MCS0	2	42	5210	1.78	1.78			-3.65	11.00		2.61			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	52	5260	17.35	17.35	20.80	20.80	23.39	23.39	29.39	29.39	23.98	23.98	
11a	6Mbps	1	60	5300	18.20	18.20	23.05	23.05	23.60	23.60	29.60	29.60	23.98	23.98	
11a	6Mbps	1	64	5320	18.30	18.30	23.15	23.15	23.62	23.62	29.62	29.62	23.98	23.98	
HT20	MCS0	1	52	5260	18.00	18.00	20.90	20.90	23.55	23.55	29.55	29.55	23.98	23.98	
HT20	MCS0	1	60	5300	19.00	19.00	23.45	23.45	23.79	23.79	29.79	29.79	23.98	23.98	
HT20	MCS0	1	64	5320	19.00	19.00	23.55	23.55	23.79	23.79	29.79	29.79	23.98	23.98	
HT40	MCS0	1	54	5270	36.70	36.70	41.58	41.58	23.98	23.98	30.00	30.00	23.98	23.98	
HT40	MCS0	1	62	5310	36.70	36.70	41.58	41.58	23.98	23.98	30.00	30.00	23.98	23.98	
VHT20	MCS0	1	52	5260	18.00	18.00	20.95	20.95	23.55	23.55	29.55	29.55	23.98	23.98	
VHT20	MCS0	1	60	5300	19.10	19.10	23.45	23.45	23.81	23.81	29.81	29.81	23.98	23.98	
VHT20	MCS0	1	64	5320	19.00	19.00	23.60	23.60	23.79	23.79	29.79	29.79	23.98	23.98	
VHT40	MCS0	1	54	5270	36.70	36.70	41.67	41.67	23.98	23.98	30.00	30.00	23.98	23.98	
VHT40	MCS0	1	62	5310	36.70	36.70	41.58	41.58	23.98	23.98	30.00	30.00	23.98	23.98	
VHT80	MCS0	1	58	5290	75.84	75.84	82.40	82.40	23.98	23.98	30.00	30.00	23.98	23.98	
HT20	MCS8	2	52	5260	18.00	18.00	20.95	20.80	23.55		29.55		23.98		
HT20	MCS8	2	60	5300	19.20	18.95	23.65	23.20	23.78		29.78		23.98		
HT20	MCS8	2	64	5320	19.00	18.95	23.40	23.25	23.78		29.78		23.98		
HT40	MCS8	2	54	5270	36.60	36.70	41.58	41.22	23.98		30.00		23.98		
HT40	MCS8	2	62	5310	36.70	36.70	41.58	41.31	23.98		30.00		23.98		
VHT20	MCS0	2	52	5260	18.00	18.00	20.95	20.90	23.55		29.55		23.98		
VHT20	MCS0	2	60	5300	19.10	18.90	23.25	23.20	23.76		29.76		23.98		
VHT20	MCS0	2	64	5320	19.05	18.95	23.45	23.15	23.78		29.78		23.98		
VHT40	MCS0	2	54	5270	36.80	36.60	41.58	41.22	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.70	36.70	41.67	41.40	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.96	75.96	82.72	82.72	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	52	5260	0.32	0.32	13.29	14.81		23.98	23.98	-1.60	0.80		Pass
11a	6Mbps	1	60	5300	0.32	0.32	12.99	14.39		23.98	23.98	-1.60	0.80		Pass
11a	6Mbps	1	64	5320	0.32	0.32	13.06	14.51		23.98	23.98	-1.60	0.80		Pass
HT20	MCS0	1	52	5260	0.22	0.22	13.57	13.69		23.98	23.98	-1.60	0.80		Pass
HT20	MCS0	1	60	5300	0.22	0.22	13.67	13.71		23.98	23.98	-1.60	0.80		Pass
HT20	MCS0	1	64	5320	0.22	0.22	13.49	13.45		23.98	23.98	-1.60	0.80		Pass
HT40	MCS0	1	54	5270	0.44	0.44	11.99	12.51		23.98	23.98	-1.60	0.80		Pass
HT40	MCS0	1	62	5310	0.44	0.44	11.87	12.35		23.98	23.98	-1.60	0.80		Pass
VHT20	MCS0	1	52	5260	0.21	0.21	11.75	11.98		23.98	23.98	-1.60	0.80		Pass
VHT20	MCS0	1	60	5300	0.21	0.21	11.62	11.56		23.98	23.98	-1.60	0.80		Pass
VHT20	MCS0	1	64	5320	0.21	0.21	11.64	11.75		23.98	23.98	-1.60	0.80		Pass
VHT40	MCS0	1	54	5270	0.59	0.59	12.22	12.48		23.98	23.98	-1.60	0.80		Pass
VHT40	MCS0	1	62	5310	0.59	0.59	12.04	12.43		23.98	23.98	-1.60	0.80		Pass
VHT80	MCS0	1	58	5290	1.13	1.13	11.04	11.89		23.98	23.98	-1.60	0.80		Pass
HT20	MCS8	2	52	5260	0.43	0.43	11.78	12.06	14.93	23.98		2.69			Pass
HT20	MCS8	2	60	5300	0.43	0.43	11.79	12.10	14.95	23.98		2.69			Pass
HT20	MCS8	2	64	5320	0.43	0.43	11.65	12.16	14.92	23.98		2.69			Pass
HT40	MCS8	2	54	5270	0.82	0.82	10.95	11.74	14.37	23.98		2.69			Pass
HT40	MCS8	2	62	5310	0.82	0.82	10.88	11.69	14.31	23.98		2.69			Pass
VHT20	MCS0	2	52	5260	0.58	0.58	11.54	11.88	14.72	23.98		2.69			Pass
VHT20	MCS0	2	60	5300	0.58	0.58	11.36	11.64	14.51	23.98		2.69			Pass
VHT20	MCS0	2	64	5320	0.58	0.58	11.18	11.72	14.47	23.98		2.69			Pass
VHT40	MCS0	2	54	5270	0.59	0.59	11.48	12.08	14.80	23.98		2.69			Pass
VHT40	MCS0	2	62	5310	0.59	0.59	11.37	11.94	14.67	23.98		2.69			Pass
VHT80	MCS0	2	58	5290	1.78	1.78	10.98	11.82	14.43	23.98		2.69			Pass

TEST RESULTS DATA
Power Spectral Density

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	52	5260	0.32	0.32		4.58		11.00	11.00	-1.60	0.80		Pass
11a	6Mbps	1	60	5300	0.32	0.32		4.34		11.00	11.00	-1.60	0.80		Pass
11a	6Mbps	1	64	5320	0.32	0.32		4.42		11.00	11.00	-1.60	0.80		Pass
HT20	MCS0	1	52	5260	0.22	0.22		2.33		11.00	11.00	-1.60	0.80		Pass
HT20	MCS0	1	60	5300	0.22	0.22		1.96		11.00	11.00	-1.60	0.80		Pass
HT20	MCS0	1	64	5320	0.22	0.22		1.91		11.00	11.00	-1.60	0.80		Pass
HT40	MCS0	1	54	5270	0.44	0.44		-1.93		11.00	11.00	-1.60	0.80		Pass
HT40	MCS0	1	62	5310	0.44	0.44		-1.83		11.00	11.00	-1.60	0.80		Pass
VHT20	MCS0	1	52	5260	0.21	0.21		0.50		11.00	11.00	-1.60	0.80		Pass
VHT20	MCS0	1	60	5300	0.21	0.21		0.29		11.00	11.00	-1.60	0.80		Pass
VHT20	MCS0	1	64	5320	0.21	0.21		0.44		11.00	11.00	-1.60	0.80		Pass
VHT40	MCS0	1	54	5270	0.59	0.59		-2.05		11.00	11.00	-1.60	0.80		Pass
VHT40	MCS0	1	62	5310	0.59	0.59		-1.96		11.00	11.00	-1.60	0.80		Pass
VHT80	MCS0	1	58	5290	1.13	1.13		-5.14		11.00	11.00	-1.60	0.80		Pass
HT20	MCS8	2	52	5260	0.43	0.43			4.76	11.00		2.69			Pass
HT20	MCS8	2	60	5300	0.43	0.43			4.21	11.00		2.69			Pass
HT20	MCS8	2	64	5320	0.43	0.43			4.48	11.00		2.69			Pass
HT40	MCS8	2	54	5270	0.82	0.82			0.09	11.00		2.69			Pass
HT40	MCS8	2	62	5310	0.82	0.82			0.05	11.00		2.69			Pass
VHT20	MCS0	2	52	5260	0.58	0.58			2.75	11.00		2.69			Pass
VHT20	MCS0	2	60	5300	0.58	0.58			2.40	11.00		2.69			Pass
VHT20	MCS0	2	64	5320	0.58	0.58			2.34	11.00		2.69			Pass
VHT40	MCS0	2	54	5270	0.59	0.59			-0.03	11.00		2.69			Pass
VHT40	MCS0	2	62	5310	0.59	0.59			-0.02	11.00		2.69			Pass
VHT80	MCS0	2	58	5290	1.78	1.78			-4.39	11.00		2.69			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	100	5500	18.35	18.35	23.10	23.10	23.64	23.64	29.64	29.64	23.98	23.98	
11a	6Mbps	1	116	5580	17.20	17.20	20.70	20.70	23.36	23.36	29.36	29.36	23.98	23.98	
11a	6Mbps	1	140	5700	18.25	18.25	23.10	23.10	23.61	23.61	29.61	29.61	23.98	23.98	
HT20	MCS0	1	100	5500	19.05	19.05	23.40	23.40	23.80	23.80	29.80	29.80	23.98	23.98	
HT20	MCS0	1	116	5580	18.00	18.00	21.10	21.10	23.55	23.55	29.55	29.55	23.98	23.98	
HT20	MCS0	1	140	5700	19.00	19.00	23.45	23.45	23.79	23.79	29.79	29.79	23.98	23.98	
HT40	MCS0	1	102	5510	36.70	36.70	41.49	41.49	23.98	23.98	30.00	30.00	23.98	23.98	
HT40	MCS0	1	110	5550	36.90	36.90	41.58	41.58	23.98	23.98	30.00	30.00	23.98	23.98	
HT40	MCS0	1	134	5670	36.70	36.70	41.58	41.58	23.98	23.98	30.00	30.00	23.98	23.98	
VHT20	MCS0	1	100	5500	19.00	19.00	23.40	23.40	23.79	23.79	29.79	29.79	23.98	23.98	
VHT20	MCS0	1	116	5580	17.95	17.95	20.90	20.90	23.54	23.54	29.54	29.54	23.98	23.98	
VHT20	MCS0	1	140	5700	19.00	19.00	23.50	23.50	23.79	23.79	29.79	29.79	23.98	23.98	
VHT40	MCS0	1	102	5510	36.70	36.70	41.76	41.76	23.98	23.98	30.00	30.00	23.98	23.98	
VHT40	MCS0	1	110	5550	36.70	36.70	41.58	41.58	23.98	23.98	30.00	30.00	23.98	23.98	
VHT40	MCS0	1	134	5670	36.70	36.70	41.67	41.67	23.98	23.98	30.00	30.00	23.98	23.98	
VHT80	MCS0	1	106	5530	75.96	75.96	83.04	83.04	23.98	23.98	30.00	30.00	23.98	23.98	
VHT80	MCS0	1	122	5610	75.96	75.96	82.40	82.40	23.98	23.98	30.00	30.00	23.98	23.98	
HT20	MCS8	2	100	5500	19.15	18.90	23.35	23.15	23.76		29.76		23.98		
HT20	MCS8	2	116	5580	18.00	18.00	20.95	20.90	23.55		29.55		23.98		
HT20	MCS8	2	140	5700	19.10	19.00	23.45	23.25	23.79		29.79		23.98		
HT40	MCS8	2	102	5510	36.70	36.70	41.40	41.40	23.98		30.00		23.98		
HT40	MCS8	2	110	5550	36.70	36.90	41.76	41.31	23.98		30.00		23.98		
HT40	MCS8	2	134	5670	36.70	36.70	41.49	41.31	23.98		30.00		23.98		
VHT20	MCS0	2	100	5500	19.00	18.95	23.40	23.15	23.78		29.78		23.98		
VHT20	MCS0	2	116	5580	18.00	18.00	20.95	20.90	23.55		29.55		23.98		
VHT20	MCS0	2	140	5700	19.05	18.95	23.35	23.15	23.78		29.78		23.98		
VHT40	MCS0	2	102	5510	36.70	36.70	41.76	41.31	23.98		30.00		23.98		
VHT40	MCS0	2	110	5550	36.70	36.70	41.58	41.40	23.98		30.00		23.98		
VHT40	MCS0	2	134	5670	36.70	36.70	41.49	41.49	23.98		30.00		23.98		
VHT80	MCS0	2	106	5530	75.96	75.84	82.40	83.04	23.98		30.00		23.98		
VHT80	MCS0	2	122	5610	75.96	75.84	83.20	82.72	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	100	5500	0.32	0.32	12.99	12.76		23.98	23.98	0.10	1.20		Pass
11a	6Mbps	1	116	5580	0.32	0.32	12.85	12.58		23.98	23.98	0.10	1.20		Pass
11a	6Mbps	1	140	5700	0.32	0.32	12.38	12.40		23.98	23.98	0.10	1.20		Pass
HT20	MCS0	1	100	5500	0.22	0.22	11.86	12.20		23.98	23.98	0.10	1.20		Pass
HT20	MCS0	1	116	5580	0.22	0.22	11.09	11.74		23.98	23.98	0.10	1.20		Pass
HT20	MCS0	1	140	5700	0.22	0.22	11.47	11.69		23.98	23.98	0.10	1.20		Pass
HT40	MCS0	1	102	5510	0.44	0.44	11.50	12.06		23.98	23.98	0.10	1.20		Pass
HT40	MCS0	1	110	5550	0.44	0.44	11.42	11.98		23.98	23.98	0.10	1.20		Pass
HT40	MCS0	1	134	5670	0.44	0.44	10.65	11.42		23.98	23.98	0.10	1.20		Pass
VHT20	MCS0	1	100	5500	0.21	0.21	10.95	11.30		23.98	23.98	0.10	1.20		Pass
VHT20	MCS0	1	116	5580	0.21	0.21	10.19	11.25		23.98	23.98	0.10	1.20		Pass
VHT20	MCS0	1	140	5700	0.21	0.21	10.42	10.78		23.98	23.98	0.10	1.20		Pass
VHT40	MCS0	1	102	5510	0.59	0.59	11.28	12.42		23.98	23.98	0.10	1.20		Pass
VHT40	MCS0	1	110	5550	0.59	0.59	10.97	12.37		23.98	23.98	0.10	1.20		Pass
VHT40	MCS0	1	134	5670	0.59	0.59	10.60	12.35		23.98	23.98	0.10	1.20		Pass
VHT80	MCS0	1	106	5530	1.13	1.13	10.10	11.49		23.98	23.98	0.10	1.20		Pass
VHT80	MCS0	1	122	5610	1.13	1.13	9.83	11.48		23.98	23.98	0.10	1.20		Pass
HT20	MCS8	2	100	5500	0.43	0.43	12.87	13.23	16.06	23.98		3.68			Pass
HT20	MCS8	2	116	5580	0.43	0.43	12.20	13.09	15.67	23.98		3.68			Pass
HT20	MCS8	2	140	5700	0.43	0.43	12.06	13.08	15.61	23.98		3.68			Pass
HT40	MCS8	2	102	5510	0.82	0.82	11.72	12.24	15.00	23.98		3.68			Pass
HT40	MCS8	2	110	5550	0.82	0.82	11.66	12.15	14.92	23.98		3.68			Pass
HT40	MCS8	2	134	5670	0.82	0.82	11.05	11.50	14.29	23.98		3.68			Pass
VHT20	MCS0	2	100	5500	0.58	0.58	11.29	11.54	14.43	23.98		3.68			Pass
VHT20	MCS0	2	116	5580	0.58	0.58	10.93	11.37	14.17	23.98		3.68			Pass
VHT20	MCS0	2	140	5700	0.58	0.58	10.60	11.31	13.98	23.98		3.68			Pass
VHT40	MCS0	2	102	5510	0.59	0.59	11.01	12.00	14.54	23.98		3.68			Pass
VHT40	MCS0	2	110	5550	0.59	0.59	10.85	11.91	14.42	23.98		3.68			Pass
VHT40	MCS0	2	134	5670	0.59	0.59	10.96	11.94	14.49	23.98		3.68			Pass
VHT80	MCS0	2	106	5530	1.78	1.78	9.94	11.45	13.77	23.98		3.68			Pass
VHT80	MCS0	2	122	5610	1.78	1.78	9.65	11.40	13.62	23.98		3.68			Pass

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TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	100	5500	0.32	0.32		4.13		11.00	11.00	0.10	1.20		Pass
11a	6Mbps	1	116	5580	0.32	0.32		4.32		11.00	11.00	0.10	1.20		Pass
11a	6Mbps	1	140	5700	0.32	0.32		4.09		11.00	11.00	0.10	1.20		Pass
HT20	MCS0	1	100	5500	0.22	0.22		1.83		11.00	11.00	0.10	1.20		Pass
HT20	MCS0	1	116	5580	0.22	0.22		1.90		11.00	11.00	0.10	1.20		Pass
HT20	MCS0	1	140	5700	0.22	0.22		1.61		11.00	11.00	0.10	1.20		Pass
HT40	MCS0	1	102	5510	0.44	0.44		-2.22		11.00	11.00	0.10	1.20		Pass
HT40	MCS0	1	110	5550	0.44	0.44		-2.22		11.00	11.00	0.10	1.20		Pass
HT40	MCS0	1	134	5670	0.44	0.44		-2.37		11.00	11.00	0.10	1.20		Pass
VHT20	MCS0	1	100	5500	0.21	0.21		0.26		11.00	11.00	0.10	1.20		Pass
VHT20	MCS0	1	116	5580	0.21	0.21		0.43		11.00	11.00	0.10	1.20		Pass
VHT20	MCS0	1	140	5700	0.21	0.21		-0.14		11.00	11.00	0.10	1.20		Pass
VHT40	MCS0	1	102	5510	0.59	0.59		-2.16		11.00	11.00	0.10	1.20		Pass
VHT40	MCS0	1	110	5550	0.59	0.59		-2.24		11.00	11.00	0.10	1.20		Pass
VHT40	MCS0	1	134	5670	0.59	0.59		-2.59		11.00	11.00	0.10	1.20		Pass
VHT80	MCS0	1	106	5530	1.13	1.13		-5.59		11.00	11.00	0.10	1.20		Pass
VHT80	MCS0	1	122	5610	1.13	1.13		-5.55		11.00	11.00	0.10	1.20		Pass
HT20	MCS8	2	100	5500	0.43	0.43			4.21	11.00		3.68			Pass
HT20	MCS8	2	116	5580	0.43	0.43			4.44	11.00		3.68			Pass
HT20	MCS8	2	140	5700	0.43	0.43			3.88	11.00		3.68			Pass
HT40	MCS8	2	102	5510	0.82	0.82			-0.14	11.00		3.68			Pass
HT40	MCS8	2	110	5550	0.82	0.82			-0.06	11.00		3.68			Pass
HT40	MCS8	2	134	5670	0.82	0.82			-0.51	11.00		3.68			Pass
VHT20	MCS0	2	100	5500	0.58	0.58			2.21	11.00		3.68			Pass
VHT20	MCS0	2	116	5580	0.58	0.58			2.36	11.00		3.68			Pass
VHT20	MCS0	2	140	5700	0.58	0.58			2.14	11.00		3.68			Pass
VHT40	MCS0	2	102	5510	0.59	0.59			-0.29	11.00		3.68			Pass
VHT40	MCS0	2	110	5550	0.59	0.59			-0.36	11.00		3.68			Pass
VHT40	MCS0	2	134	5670	0.59	0.59			-0.80	11.00		3.68			Pass
VHT80	MCS0	2	106	5530	1.78	1.78			-4.40	11.00		3.68			Pass
VHT80	MCS0	2	122	5610	1.78	1.78			-4.40	11.00		3.68			Pass

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TEST RESULTS DATA
Frequency Stability

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (˚C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5180.025	0.025	4.83	20	3.6	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	4.35	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	3.8	
11a	6Mbps	1	36	5180	5180.025	0.025	4.83	-30	3.8	
11a	6Mbps	1	36	5180	5180.025	0.025	4.83	50	3.8	

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (˚C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	3.6	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	4.35	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	-30	3.8	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	50	3.8	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stablility (ppm)	Temperature (˚C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	3.6	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	4.35	
11a	6Mbps	1	100	5500	5499.975	-0.025	-4.55	20	3.8	
11a	6Mbps	1	100	5500	5499.975	-0.025	-4.55	-30	3.8	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	3.8	

Appendix B. Radiated Test Results

15E Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 0	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5134.85	51.71	-22.29	74	42.77	31.71	13.77	36.54	151	299	P	H
		5150	38.59	-15.41	54	29.66	31.72	13.77	36.56	151	299	A	H
	*	5180	91.8	-	-	82.89	31.75	13.76	36.6	151	299	P	H
	*	5180	81.62	-	-	72.71	31.75	13.76	36.6	151	299	A	H
		5020.85	52.02	-21.98	74	43.01	31.63	13.79	36.41	198	113	P	V
		5029.25	38.46	-15.54	54	29.45	31.63	13.79	36.41	198	113	A	V
	*	5180	88.76	-	-	79.85	31.75	13.76	36.6	198	113	P	V
	*	5180	78.77	-	-	69.86	31.75	13.76	36.6	198	113	A	V
802.11a CH 44 5220MHz		5136.35	50.93	-23.07	74	41.99	31.71	13.77	36.54	151	300	P	H
		5028.2	38.42	-15.58	54	29.41	31.63	13.79	36.41	151	300	A	H
	*	5220	89.95	-	-	81.06	31.77	13.76	36.64	151	300	P	H
	*	5220	79.84	-	-	70.95	31.77	13.76	36.64	151	300	A	H
		5448.34	52.23	-21.77	74	43.23	31.96	13.8	36.76	151	300	P	H
		5447.13	39.03	-14.97	54	30.03	31.96	13.8	36.76	151	300	A	H
		5142.05	51.46	-22.54	74	42.53	31.72	13.77	36.56	199	113	P	V
		5028.8	38.37	-15.63	54	29.36	31.63	13.79	36.41	199	113	A	V
	*	5220	87.85	-	-	78.96	31.77	13.76	36.64	199	113	P	V
	*	5220	77.48	-	-	68.59	31.77	13.76	36.64	199	113	A	V
		5448.34	51.54	-22.46	74	42.54	31.96	13.8	36.76	199	113	P	V
		5447.02	39.14	-14.86	54	30.14	31.96	13.8	36.76	199	113	A	V

802.11a CH 48 5240MHz		5139.95	51.99	-22.01	74	43.06	31.72	13.77	36.56	152	296	P	H
		5029.25	38.35	-15.65	54	29.34	31.63	13.79	36.41	152	296	A	H
	*	5240	89.12	-	-	80.23	31.79	13.76	36.66	152	296	P	H
	*	5240	79.08	-	-	70.19	31.79	13.76	36.66	152	296	A	H
		5439.32	51.99	-22.01	74	43	31.95	13.79	36.75	152	296	P	H
		5447.13	39.05	-14.95	54	30.05	31.96	13.8	36.76	152	296	A	H
		5045.45	51.9	-22.1	74	42.9	31.64	13.79	36.43	198	113	P	V
		5028.65	38.33	-15.67	54	29.32	31.63	13.79	36.41	198	113	A	V
	*	5240	87.44	-	-	78.55	31.79	13.76	36.66	198	113	P	V
	*	5240	77.74	-	-	68.85	31.79	13.76	36.66	198	113	A	V
		5447.46	52.13	-21.87	74	43.13	31.96	13.8	36.76	198	113	P	V
		5447.13	38.93	-15.07	54	29.93	31.96	13.8	36.76	198	113	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	46.86	-27.14	74	24.11	38.62	19.95	35.82	150	360	P	H
		15540	45.19	-28.81	74	14.88	38.54	25.03	33.26	150	0	P	H
		10360	49.26	-24.74	74	26.51	38.62	19.95	35.82	150	360	P	V
		15540	43.24	-30.76	74	12.93	38.54	25.03	33.26	150	0	P	V
802.11a CH 44 5220MHz		10440	50.7	-23.3	74	27.91	38.72	19.96	35.89	156	230	P	H
		15660	43.98	-30.02	74	13.67	38.17	25.07	32.93	179	225	P	H
		10440	48.24	-25.76	74	25.45	38.72	19.96	35.89	156	230	P	V
		15660	45.06	-28.94	74	14.75	38.17	25.07	32.93	179	225	P	V
802.11a CH 48 5240MHz		10480	48.44	-25.56	74	25.62	38.79	19.97	35.94	150	289	P	H
		15720	45.33	-28.67	74	15.02	37.96	25.09	32.74	200	291	P	H
		10480	49.37	-24.63	74	26.55	38.79	19.97	35.94	150	289	P	V
		15720	47.38	-26.62	74	17.07	37.96	25.09	32.74	200	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		5143.1	52.62	-21.38	74	43.69	31.72	13.77	36.56	249	313	P	H
		5149.55	39.33	-14.67	54	30.4	31.72	13.77	36.56	249	313	A	H
	*	5180	95.66	-	-	86.75	31.75	13.76	36.6	249	313	P	H
	*	5180	86.38	-	-	77.47	31.75	13.76	36.6	249	313	A	H
		5142.65	51.51	-22.49	74	42.58	31.72	13.77	36.56	150	293	P	V
		5149.1	38.74	-15.26	54	29.81	31.72	13.77	36.56	150	293	A	V
	*	5180	93.45	-	-	84.54	31.75	13.76	36.6	150	293	P	V
	*	5180	83.43	-	-	74.52	31.75	13.76	36.6	150	293	A	V
802.11a CH 44 5220MHz		5055.05	51.34	-22.66	74	42.35	31.65	13.79	36.45	250	313	P	H
		5028.5	38.43	-15.57	54	29.42	31.63	13.79	36.41	250	313	A	H
	*	5220	95.64	-	-	86.75	31.77	13.76	36.64	250	313	P	H
	*	5220	86.36	-	-	77.47	31.77	13.76	36.64	250	313	A	H
		5448.23	51.97	-22.03	74	42.97	31.96	13.8	36.76	250	313	P	H
		5447.79	39.27	-14.73	54	30.27	31.96	13.8	36.76	250	313	A	H
		5139.35	51.57	-22.43	74	42.63	31.71	13.77	36.54	150	293	P	V
		5029.1	38.21	-15.79	54	29.2	31.63	13.79	36.41	150	293	A	V
	*	5220	91.52	-	-	82.63	31.77	13.76	36.64	150	293	P	V
	*	5220	81.37	-	-	72.48	31.77	13.76	36.64	150	293	A	V
		5395.76	51.96	-22.04	74	43	31.92	13.78	36.74	150	293	P	V
		5446.91	39.49	-14.51	54	30.49	31.96	13.8	36.76	150	293	A	V

802.11a CH 48 5240MHz		5011.7	51.81	-22.19	74	42.8	31.61	13.79	36.39	250	312	P	H
		5028.2	38.65	-15.35	54	29.64	31.63	13.79	36.41	250	312	A	H
	*	5240	95.86	-	-	86.97	31.79	13.76	36.66	250	312	P	H
	*	5240	85.46	-	-	76.57	31.79	13.76	36.66	250	312	A	H
		5450.1	51.64	-22.36	74	42.64	31.96	13.8	36.76	250	312	P	H
		5448.12	39.03	-14.97	54	30.03	31.96	13.8	36.76	250	296	A	H
		5021.3	51.62	-22.38	74	42.61	31.63	13.79	36.41	150	293	P	V
		5029.25	38.41	-15.59	54	29.4	31.63	13.79	36.41	150	293	A	V
	*	5240	92.54	-	-	83.65	31.79	13.76	36.66	150	293	P	V
	*	5240	82.44	-	-	73.55	31.79	13.76	36.66	150	293	A	V
		5459.34	51.67	-22.33	74	42.67	31.96	13.8	36.76	150	293	P	V
		5446.91	39.04	-14.96	54	30.04	31.96	13.8	36.76	150	293	A	V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	46.45	-27.55	74	23.7	38.62	19.95	35.82	150	360	P	H
		15540	43.58	-30.42	74	13.27	38.54	25.03	33.26	150	0	P	H
		10360	46.91	-27.09	74	24.16	38.62	19.95	35.82	150	360	P	V
		15540	42.21	-31.79	74	11.9	38.54	25.03	33.26	150	0	P	V
802.11a CH 44 5220MHz		10440	48.88	-25.12	74	26.09	38.72	19.96	35.89	156	230	P	H
		15660	44.93	-29.07	74	14.62	38.17	25.07	32.93	179	225	P	H
		10440	48.14	-25.86	74	25.35	38.72	19.96	35.89	156	230	P	V
		15660	44.07	-29.93	74	13.76	38.17	25.07	32.93	179	225	P	V
802.11a CH 48 5240MHz		10480	48.15	-25.85	74	25.33	38.79	19.97	35.94	150	289	P	H
		15720	43.51	-30.49	74	13.2	37.96	25.09	32.74	200	291	P	H
		10480	48.11	-25.89	74	25.29	38.79	19.97	35.94	150	289	P	V
		15720	44.92	-29.08	74	14.61	37.96	25.09	32.74	200	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 36 5180MHz		5103.5	51.79	-22.21	74	42.82	31.68	13.78	36.49	248	95	P	H
		5148.5	39.16	-14.84	54	30.23	31.72	13.77	36.56	248	95	A	H
	*	5180	97.51	-	-	88.6	31.75	13.76	36.6	248	95	P	H
	*	5180	86.93	-	-	78.02	31.75	13.76	36.6	248	95	A	H
		5032.4	52.32	-21.68	74	43.31	31.63	13.79	36.41	226	112	P	V
		5027.9	38.6	-15.4	54	29.59	31.63	13.79	36.41	226	112	A	V
	*	5180	93.7	-	-	84.79	31.75	13.76	36.6	226	112	P	V
	*	5180	81.84	-	-	72.93	31.75	13.76	36.6	226	112	A	V
802.11n HT20 CH 44 5220MHz		5114.75	51.46	-22.54	74	42.5	31.69	13.78	36.51	249	96	P	H
		5028.8	38.39	-15.61	54	29.38	31.63	13.79	36.41	249	96	A	H
	*	5220	96.81	-	-	87.92	31.77	13.76	36.64	249	96	P	H
	*	5220	85.3	-	-	76.41	31.77	13.76	36.64	249	96	A	H
		5419.85	51.59	-22.41	74	42.62	31.93	13.79	36.75	249	96	P	H
		5447.68	39.06	-14.94	54	30.06	31.96	13.8	36.76	249	96	A	H
		5133.05	51.44	-22.56	74	42.5	31.71	13.77	36.54	225	112	P	V
		5028.65	38.54	-15.46	54	29.53	31.63	13.79	36.41	225	112	A	V
	*	5220	92.11	-	-	83.22	31.77	13.76	36.64	225	112	P	V
	*	5220	80.2	-	-	71.31	31.77	13.76	36.64	225	112	A	V
		5449.77	51.6	-22.4	74	42.6	31.96	13.8	36.76	225	112	P	V
		5448.12	38.98	-15.02	54	29.98	31.96	13.8	36.76	225	112	A	V

802.11n HT20 CH 48 5240MHz		5021.75	51.19	-22.81	74	42.18	31.63	13.79	36.41	150	240	P	H
		5028.95	38.35	-15.65	54	29.34	31.63	13.79	36.41	150	240	A	H
	*	5240	96.1	-	-	87.21	31.79	13.76	36.66	150	240	P	H
	*	5240	84.9	-	-	76.01	31.79	13.76	36.66	150	240	A	H
		5440.09	51.71	-22.29	74	42.72	31.95	13.79	36.75	150	240	P	H
		5447.9	39.09	-14.91	54	30.09	31.96	13.8	36.76	150	240	A	H
		5148.95	51.47	-22.53	74	42.54	31.72	13.77	36.56	161	89	P	V
		5028.2	38.46	-15.54	54	29.45	31.63	13.79	36.41	161	89	A	V
	*	5240	92.42	-	-	83.53	31.79	13.76	36.66	161	89	P	V
	*	5240	81.84	-	-	72.95	31.79	13.76	36.66	161	89	A	V
		5451.2	51.76	-22.24	74	42.76	31.96	13.8	36.76	161	89	P	V
		5447.68	39.14	-14.86	54	30.14	31.96	13.8	36.76	161	89	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 36 5180MHz		10360	45.46	-28.54	74	22.71	38.62	19.95	35.82	150	360	P	H
		15540	45.13	-28.87	74	14.82	38.54	25.03	33.26	150	0	P	H
		10360	46.64	-27.36	74	23.89	38.62	19.95	35.82	150	360	P	V
		15540	44.58	-29.42	74	14.27	38.54	25.03	33.26	150	0	P	V
802.11n HT20 CH 44 5220MHz		10440	46.14	-27.86	74	23.35	38.72	19.96	35.89	156	230	P	H
		15660	44.46	-29.54	74	14.15	38.17	25.07	32.93	179	225	P	H
		10440	46.34	-27.66	74	23.55	38.72	19.96	35.89	156	230	P	V
		15660	43.94	-30.06	74	13.63	38.17	25.07	32.93	179	225	P	V
802.11n HT20 CH 48 5240MHz		10480	46.79	-27.21	74	23.97	38.79	19.97	35.94	150	289	P	H
		15720	44.6	-29.4	74	14.29	37.96	25.09	32.74	150	291	P	H
		10480	48.01	-25.99	74	25.19	38.79	19.97	35.94	150	289	P	V
		15720	44.56	-29.44	74	14.25	37.96	25.09	32.74	150	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5150	62.33	-11.67	74	53.4	31.72	13.77	36.56	244	296	P	H
		5150	48.47	-5.53	54	39.54	31.72	13.77	36.56	244	296	A	H
	*	5190	102.57	-	-	93.66	31.75	13.76	36.6	244	296	P	H
	*	5190	91.08	-	-	82.17	31.75	13.76	36.6	244	296	A	H
		5440.97	53.32	-20.68	74	44.33	31.95	13.79	36.75	244	296	P	H
		5449.22	40.74	-13.26	54	31.74	31.96	13.8	36.76	244	296	A	H
		5150	55.06	-18.94	74	46.13	31.72	13.77	36.56	196	270	P	V
		5150	42.5	-11.5	54	33.57	31.72	13.77	36.56	196	270	A	V
	*	5190	96.88	-	-	87.97	31.75	13.76	36.6	196	270	P	V
	*	5190	86.78	-	-	77.87	31.75	13.76	36.6	196	270	A	V
		5380.03	52.79	-21.21	74	43.83	31.91	13.78	36.73	196	270	P	V
		5449	40.84	-13.16	54	31.84	31.96	13.8	36.76	196	270	A	V
802.11n HT40 CH 46 5230MHz		5076.95	52.7	-21.3	74	43.71	31.67	13.79	36.47	249	292	P	H
		5028.8	41.45	-12.55	54	32.44	31.63	13.79	36.41	249	292	A	H
	*	5230	102.46	-	-	93.57	31.79	13.76	36.66	249	292	P	H
	*	5230	91.38	-	-	82.49	31.79	13.76	36.66	249	292	A	H
		5447.13	53.13	-20.87	74	44.13	31.96	13.8	36.76	249	292	P	H
		5447.79	40.85	-13.15	54	31.85	31.96	13.8	36.76	249	292	A	H
		5108	52.74	-21.26	74	43.78	31.69	13.78	36.51	201	268	P	V
		5028.35	41.11	-12.89	54	32.1	31.63	13.79	36.41	201	268	A	V
	*	5230	98.31	-	-	89.42	31.79	13.76	36.66	201	268	P	V
	*	5230	88.52	-	-	79.63	31.79	13.76	36.66	201	268	A	V
		5409.84	52.96	-21.04	74	43.99	31.92	13.79	36.74	201	268	P	V
		5447.24	40.74	-13.26	54	31.74	31.96	13.8	36.76	201	268	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		10380	47.91	-26.09	74	25.14	38.65	19.95	35.83	152	260	P	H
		15570	43.97	-30.03	74	13.66	38.44	25.04	33.17	189	238	P	H
		10380	46.05	-27.95	74	23.28	38.65	19.95	35.83	152	260	P	V
		15570	44.11	-29.89	74	13.8	38.44	25.04	33.17	189	238	P	V
802.11n HT40 CH 46 5230MHz		10460	47.03	-26.97	74	24.23	38.74	19.97	35.91	179	230	P	H
		15690	42.4	-31.6	74	12.09	38.06	25.08	32.83	180	225	P	H
		10460	46.86	-27.14	74	24.06	38.74	19.97	35.91	179	230	P	V
		15690	44.59	-29.41	74	14.28	38.06	25.08	32.83	180	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 36 5180MHz		5035.55	51.58	-22.42	74	42.57	31.63	13.79	36.41	150	261	P	H
		5149.85	38.48	-15.52	54	29.55	31.72	13.77	36.56	150	261	A	H
	*	5180	92.68	-	-	83.77	31.75	13.76	36.6	150	261	P	H
	*	5180	82.47	-	-	73.56	31.75	13.76	36.6	150	261	A	H
		5049.65	50.98	-23.02	74	41.98	31.64	13.79	36.43	151	289	P	V
		5146.55	38.3	-15.7	54	29.37	31.72	13.77	36.56	151	289	A	V
	*	5180	90.42	-	-	81.51	31.75	13.76	36.6	151	289	P	V
	*	5180	80.39	-	-	71.48	31.75	13.76	36.6	151	289	A	V
802.11ac VHT20 CH 44 5220MHz		5102.45	51.85	-22.15	74	42.88	31.68	13.78	36.49	150	261	P	H
		5028.65	38.51	-15.49	54	29.5	31.63	13.79	36.41	150	261	A	H
	*	5220	91.72	-	-	82.83	31.77	13.76	36.64	150	261	P	H
	*	5220	80.75	-	-	71.86	31.77	13.76	36.64	150	261	A	H
		5403.02	52.35	-21.65	74	43.39	31.92	13.78	36.74	150	261	P	H
		5447.57	39.22	-14.78	54	30.22	31.96	13.8	36.76	150	261	A	H
		5024.15	51.17	-22.83	74	42.16	31.63	13.79	36.41	151	289	P	V
		5028.65	38.52	-15.48	54	29.51	31.63	13.79	36.41	151	289	A	V
	*	5220	89.98	-	-	81.09	31.77	13.76	36.64	151	289	P	V
	*	5220	80.45	-	-	71.56	31.77	13.76	36.64	151	289	A	V
		5448.01	52.04	-21.96	74	43.04	31.96	13.8	36.76	151	289	P	V
		5448.34	39.06	-14.94	54	30.06	31.96	13.8	36.76	151	289	A	V

802.11ac VHT20 CH 48 5240MHz		5135.3	51.34	-22.66	74	42.4	31.71	13.77	36.54	150	261	P	H
		5027.9	38.51	-15.49	54	29.5	31.63	13.79	36.41	150	261	A	H
	*	5240	91.74	-	-	82.85	31.79	13.76	36.66	150	261	P	H
	*	5240	81.64	-	-	72.75	31.79	13.76	36.66	150	261	A	H
		5388.28	52.41	-21.59	74	43.45	31.91	13.78	36.73	150	261	P	H
		5447.02	39.09	-14.91	54	30.09	31.96	13.8	36.76	150	261	A	H
		5138.45	51.81	-22.19	74	42.87	31.71	13.77	36.54	151	289	P	V
		5028.35	38.33	-15.67	54	29.32	31.63	13.79	36.41	151	289	A	V
	*	5240	90.72	-	-	81.83	31.79	13.76	36.66	151	289	P	V
	*	5240	80.27	-	-	71.38	31.79	13.76	36.66	151	289	A	V
		5388.39	52.1	-21.9	74	43.14	31.91	13.78	36.73	151	289	P	V
		5447.68	39.09	-14.91	54	30.09	31.96	13.8	36.76	151	289	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 36 5180MHz		10360	47.36	-26.64	74	24.61	38.62	19.95	35.82	150	360	P	H
		15540	47.87	-26.13	74	17.56	38.54	25.03	33.26	150	0	P	H
		10360	47.33	-26.67	74	24.58	38.62	19.95	35.82	150	360	P	V
		15540	46.48	-27.52	74	16.17	38.54	25.03	33.26	150	0	P	V
802.11ac VHT20 CH 44 5220MHz		10440	48.91	-25.09	74	26.12	38.72	19.96	35.89	156	230	P	H
		15660	45.62	-28.38	74	15.31	38.17	25.07	32.93	179	225	P	H
		10440	49.57	-24.43	74	26.78	38.72	19.96	35.89	156	230	P	V
		15660	47.84	-26.16	74	17.53	38.17	25.07	32.93	179	225	P	V
802.11ac VHT20 CH 48 5240MHz		10480	47.39	-26.61	74	24.57	38.79	19.97	35.94	150	289	P	H
		15720	46.83	-27.17	74	16.52	37.96	25.09	32.74	200	291	P	H
		10480	49.28	-24.72	74	26.46	38.79	19.97	35.94	150	289	P	V
		15720	47.25	-26.75	74	16.94	37.96	25.09	32.74	200	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 38 5190MHz		5143.4	64.58	-9.42	74	55.65	31.72	13.77	36.56	236	308	P	H
		5149.7	49.67	-4.33	54	40.74	31.72	13.77	36.56	236	308	A	H
	*	5190	102.51	-	-	93.6	31.75	13.76	36.6	236	308	P	H
	*	5190	92.19	-	-	83.28	31.75	13.76	36.6	236	308	A	H
		5450.54	53.31	-20.69	74	44.31	31.96	13.8	36.76	236	308	P	H
		5447.35	41.16	-12.84	54	32.16	31.96	13.8	36.76	236	308	A	H
		5149.25	54.99	-19.01	74	46.06	31.72	13.77	36.56	241	279	P	V
		5149.85	42.15	-11.85	54	33.22	31.72	13.77	36.56	241	279	A	V
	*	5190	93.52	-	-	84.61	31.75	13.76	36.6	241	279	P	V
	*	5190	83.5	-	-	74.59	31.75	13.76	36.6	241	279	A	V
		5448.12	52.29	-21.71	74	43.29	31.96	13.8	36.76	241	279	P	V
		5447.68	40.65	-13.35	54	31.65	31.96	13.8	36.76	241	279	A	V
802.11ac VHT40 CH 46 5230MHz		5118.5	52.62	-21.38	74	43.66	31.69	13.78	36.51	236	308	P	H
		5028.35	41.18	-12.82	54	32.17	31.63	13.79	36.41	236	308	A	H
	*	5230	102.53	-	-	93.64	31.79	13.76	36.66	236	308	P	H
	*	5230	91.93	-	-	83.04	31.79	13.76	36.66	236	308	A	H
		5450.98	53.53	-20.47	74	44.53	31.96	13.8	36.76	236	308	P	H
		5447.9	40.93	-13.07	54	31.93	31.96	13.8	36.76	236	308	A	H
		5036.9	52.8	-21.2	74	43.79	31.63	13.79	36.41	241	279	P	V
		5031.2	41.14	-12.86	54	32.13	31.63	13.79	36.41	241	279	A	V
	*	5230	93.1	-	-	84.21	31.79	13.76	36.66	241	279	P	V
	*	5230	83.24	-	-	74.35	31.79	13.76	36.66	241	279	A	V
		5456.81	53.26	-20.74	74	44.26	31.96	13.8	36.76	241	279	P	V
		5447.57	40.67	-13.33	54	31.67	31.96	13.8	36.76	241	279	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 CH 38 5190MHz		10380	47.26	-26.74	74	24.49	38.65	19.95	35.83	152	260	P	H
		15570	44.3	-29.7	74	13.99	38.44	25.04	33.17	189	238	P	H
		10380	47.95	-26.05	74	25.18	38.65	19.95	35.83	152	260	P	V
		15570	44.19	-29.81	74	13.88	38.44	25.04	33.17	189	238	P	V
802.11ac VHT40 CH 46 5230MHz		10460	47.49	-26.51	74	24.69	38.74	19.97	35.91	179	230	P	H
		15690	44.55	-29.45	74	14.24	38.06	25.08	32.83	180	225	P	H
		10460	46.7	-27.3	74	23.9	38.74	19.97	35.91	179	230	P	V
		15690	43.63	-30.37	74	13.32	38.06	25.08	32.83	180	225	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		5145.35	56.96	-17.04	74	48.03	31.72	13.77	36.56	150	308	P	H
		5117.3	47.28	-6.72	54	38.32	31.69	13.78	36.51	150	308	A	H
	*	5210	95.41	-	-	86.52	31.77	13.76	36.64	150	308	P	H
	*	5210	87.38	-	-	78.49	31.77	13.76	36.64	150	308	A	H
		5449.66	52.5	-21.5	74	43.5	31.96	13.8	36.76	150	308	P	H
		5447.02	42.06	-11.94	54	33.06	31.96	13.8	36.76	150	308	A	H
		5118.5	56.14	-17.86	74	47.18	31.69	13.78	36.51	155	273	P	V
		5117.45	45.5	-8.5	54	36.54	31.69	13.78	36.51	155	273	A	V
	*	5210	95.39	-	-	86.5	31.77	13.76	36.64	155	273	P	V
	*	5210	87.42	-	-	78.53	31.77	13.76	36.64	155	273	A	V
		5447.35	52.94	-21.06	74	43.94	31.96	13.8	36.76	155	273	P	V
		5447.35	41.79	-12.21	54	32.79	31.96	13.8	36.76	155	273	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		10420	46.56	-27.44	74	23.78	38.69	19.96	35.87	150	360	P	H
		15630	42.27	-31.73	74	11.97	38.22	25.06	32.98	150	0	P	H
		10420	46.07	-27.93	74	23.29	38.69	19.96	35.87	150	360	P	V
		15630	41.99	-32.01	74	11.69	38.22	25.06	32.98	150	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 0	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5017.85	51.35	-22.65	74	42.34	31.61	13.79	36.39	152	296	P	H
		5028.35	38.62	-15.38	54	29.61	31.63	13.79	36.41	152	296	A	H
	*	5260	90.97	-	-	82.1	31.81	13.75	36.69	152	296	P	H
	*	5260	80.72	-	-	71.85	31.81	13.75	36.69	152	296	A	H
		5401.81	52.48	-21.52	74	43.52	31.92	13.78	36.74	152	296	P	H
		5446.91	39.14	-14.86	54	30.14	31.96	13.8	36.76	152	296	A	H
		5139.95	51.34	-22.66	74	42.41	31.72	13.77	36.56	227	118	P	V
		5027.75	38.49	-15.51	54	29.48	31.63	13.79	36.41	227	118	A	V
	*	5260	88.27	-	-	79.4	31.81	13.75	36.69	227	118	P	V
	*	5260	78.66	-	-	69.79	31.81	13.75	36.69	227	118	A	V
		5451.86	51.65	-22.35	74	42.65	31.96	13.8	36.76	227	118	P	V
		5448.45	38.96	-15.04	54	29.96	31.96	13.8	36.76	227	118	A	V
802.11a CH 60 5300MHz		5111.75	51.2	-22.8	74	42.24	31.69	13.78	36.51	152	296	P	H
		5028.05	38.34	-15.66	54	29.33	31.63	13.79	36.41	152	296	A	H
	*	5300	89.54	-	-	80.64	31.84	13.76	36.7	152	296	P	H
	*	5300	79.71	-	-	70.81	31.84	13.76	36.7	152	296	A	H
		5404.12	52	-22	74	43.04	31.92	13.78	36.74	152	296	P	H
		5447.57	39.18	-14.82	54	30.18	31.96	13.8	36.76	152	296	A	H
		5003.3	51.92	-22.08	74	42.89	31.6	13.8	36.37	190	121	P	V
		5028.8	38.59	-15.41	54	29.58	31.63	13.79	36.41	190	121	A	V
	*	5300	87.59	-	-	78.69	31.84	13.76	36.7	190	121	P	V
	*	5300	77.49	-	-	68.59	31.84	13.76	36.7	190	121	A	V
		5443.61	52.59	-21.41	74	43.6	31.95	13.79	36.75	190	121	P	V
		5448.23	39.17	-14.83	54	30.17	31.96	13.8	36.76	190	121	A	V

802.11a CH 64 5320MHz	*	5320	91.37	-	-	82.47	31.85	13.76	36.71	152	296	P	H
	*	5320	80.77	-	-	71.87	31.85	13.76	36.71	152	296	A	H
		5448.01	52.21	-21.79	74	43.21	31.96	13.8	36.76	152	296	P	H
		5447.57	39.06	-14.94	54	30.06	31.96	13.8	36.76	152	296	A	H
	*	5320	88.53	-	-	79.63	31.85	13.76	36.71	190	113	P	V
	*	5320	77.5	-	-	68.6	31.85	13.76	36.71	190	113	A	V
		5448.34	52.34	-21.66	74	43.34	31.96	13.8	36.76	190	113	P	V
		5447.79	39.23	-14.77	54	30.23	31.96	13.8	36.76	190	113	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		10520	47.58	-26.42	74	24.71	38.84	19.98	35.95	150	220	P	H
		15780	44.46	-29.54	74	14.16	37.79	25.17	32.66	150	345	P	H
		10520	50	-24	74	27.13	38.84	19.98	35.95	150	220	P	V
		15780	45.12	-28.88	74	14.82	37.79	25.17	32.66	150	345	P	V
802.11a CH 60 5300MHz		10600	49.07	-24.93	74	25.77	38.95	20.25	35.9	185	215	P	H
		15900	43.78	-30.22	74	13.71	37.42	25.43	32.78	196	190	P	H
		10600	48.83	-25.17	74	25.53	38.95	20.25	35.9	185	215	P	V
		15900	44.85	-29.15	74	14.78	37.42	25.43	32.78	196	190	P	V
802.11a CH 64 5320MHz		10640	48.65	-25.35	74	25.13	39	20.39	35.87	152	135	P	H
		15960	44.7	-29.3	74	14.74	37.21	25.6	32.85	173	245	P	H
		10640	48.49	-25.51	74	24.97	39	20.39	35.87	152	135	P	V
		15960	44.65	-29.35	74	14.69	37.21	25.6	32.85	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5071.85	52.06	-21.94	74	43.07	31.67	13.79	36.47	248	312	P	H
		5027.75	38.4	-15.6	54	29.39	31.63	13.79	36.41	248	312	A	H
	*	5260	95.31	-	-	86.44	31.81	13.75	36.69	248	312	P	H
	*	5260	86.77	-	-	77.9	31.81	13.75	36.69	248	312	A	H
		5448.23	51.53	-22.47	74	42.53	31.96	13.8	36.76	248	312	P	H
		5446.91	39.01	-14.99	54	30.01	31.96	13.8	36.76	248	312	A	H
		5057.9	52.3	-21.7	74	43.31	31.65	13.79	36.45	150	293	P	V
		5027.9	38.38	-15.62	54	29.37	31.63	13.79	36.41	150	293	A	V
	*	5260	92.15	-	-	83.28	31.81	13.75	36.69	150	293	P	V
	*	5260	82.13	-	-	73.26	31.81	13.75	36.69	150	293	A	V
		5410.39	51.76	-22.24	74	42.79	31.92	13.79	36.74	150	293	P	V
		5447.13	39.33	-14.67	54	30.33	31.96	13.8	36.76	150	293	A	V
802.11a CH 60 5300MHz		5147.15	51.66	-22.34	74	42.73	31.72	13.77	36.56	245	312	P	H
		5027.9	38.51	-15.49	54	29.5	31.63	13.79	36.41	245	312	A	H
	*	5300	94.86	-	-	85.96	31.84	13.76	36.7	245	312	P	H
	*	5300	84.16	-	-	75.26	31.84	13.76	36.7	245	312	A	H
		5416.77	52.36	-21.64	74	43.39	31.93	13.79	36.75	245	312	P	H
		5447.35	39.01	-14.99	54	30.01	31.96	13.8	36.76	245	312	A	H
		5149.1	51.39	-22.61	74	42.46	31.72	13.77	36.56	150	293	P	V
		5028.5	38.54	-15.46	54	29.53	31.63	13.79	36.41	150	293	A	V
	*	5300	92.25	-	-	83.35	31.84	13.76	36.7	150	293	P	V
	*	5300	82.22	-	-	73.32	31.84	13.76	36.7	150	293	A	V
		5361	52.03	-21.97	74	43.1	31.89	13.77	36.73	150	293	P	V
		5447.46	39.25	-14.75	54	30.25	31.96	13.8	36.76	150	293	A	V

802.11a CH 64 5320MHz	*	5320	94.89	-	-	85.99	31.85	13.76	36.71	242	314	P	H
	*	5320	84.33	-	-	75.43	31.85	13.76	36.71	242	314	A	H
		5431.84	52.09	-21.91	74	43.1	31.95	13.79	36.75	242	314	P	H
		5448.12	39.17	-14.83	54	30.17	31.96	13.8	36.76	242	314	A	H
	*	5320	88.58	-	-	79.68	31.85	13.76	36.71	152	296	P	V
	*	5320	78.48	-	-	69.58	31.85	13.76	36.71	152	296	A	V
		5447.24	51.87	-22.13	74	42.87	31.96	13.8	36.76	152	296	P	V
		5448.01	38.93	-15.07	54	29.93	31.96	13.8	36.76	152	296	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		10520	49.4	-24.6	74	26.53	38.84	19.98	35.95	150	220	P	H
		15780	44.54	-29.46	74	14.24	37.79	25.17	32.66	150	345	P	H
		10520	49.89	-24.11	74	27.02	38.84	19.98	35.95	150	220	P	V
		15780	44.85	-29.15	74	14.55	37.79	25.17	32.66	150	345	P	V
802.11a CH 60 5300MHz		10600	49.79	-24.21	74	26.49	38.95	20.25	35.9	185	215	P	H
		15900	44.82	-29.18	74	14.75	37.42	25.43	32.78	196	190	P	H
		10600	48.68	-25.32	74	25.38	38.95	20.25	35.9	185	215	P	V
		15900	43.78	-30.22	74	13.71	37.42	25.43	32.78	196	190	P	V
802.11a CH 64 5320MHz		10640	49.85	-24.15	74	26.33	39	20.39	35.87	152	135	P	H
		15960	44.12	-29.88	74	14.16	37.21	25.6	32.85	173	245	P	H
		10640	49.16	-24.84	74	25.64	39	20.39	35.87	152	135	P	V
		15960	44.52	-29.48	74	14.56	37.21	25.6	32.85	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		5106.95	51.54	-22.46	74	42.58	31.69	13.78	36.51	248	95	P	H
		5028.65	38.44	-15.56	54	29.43	31.63	13.79	36.41	248	95	A	H
	*	5260	96.66	-	-	87.79	31.81	13.75	36.69	248	95	P	H
	*	5260	85.52	-	-	76.65	31.81	13.75	36.69	248	95	A	H
		5444.49	51.83	-22.17	74	42.84	31.95	13.79	36.75	248	95	P	H
		5447.9	39.01	-14.99	54	30.01	31.96	13.8	36.76	248	95	A	H
		5052.8	51.23	-22.77	74	42.23	31.64	13.79	36.43	222	113	P	V
		5067.35	38.43	-15.57	54	29.44	31.65	13.79	36.45	222	113	A	V
	*	5260	92.2	-	-	83.33	31.81	13.75	36.69	222	113	P	V
	*	5260	81.05	-	-	72.18	31.81	13.75	36.69	222	113	A	V
		5449.33	51.64	-22.36	74	42.64	31.96	13.8	36.76	222	113	P	V
		5449.55	39.05	-14.95	54	30.05	31.96	13.8	36.76	222	113	A	V
802.11n HT20 CH 60 5300MHz		5011.85	51.43	-22.57	74	42.42	31.61	13.79	36.39	211	93	P	H
		5028.5	38.46	-15.54	54	29.45	31.63	13.79	36.41	211	93	A	H
	*	5300	95.85	-	-	86.95	31.84	13.76	36.7	211	93	P	H
	*	5300	84.79	-	-	75.89	31.84	13.76	36.7	211	93	A	H
		5448.45	53.17	-20.83	74	44.17	31.96	13.8	36.76	211	93	P	H
		5447.35	39.23	-14.77	54	30.23	31.96	13.8	36.76	211	93	A	H
		5131.55	51.37	-22.63	74	42.43	31.71	13.77	36.54	223	119	P	V
		5028.05	38.41	-15.59	54	29.4	31.63	13.79	36.41	223	119	A	V
	*	5300	91.37	-	-	82.47	31.84	13.76	36.7	223	119	P	V
	*	5300	80.76	-	-	71.86	31.84	13.76	36.7	223	119	A	V
		5374.97	51.62	-22.38	74	42.68	31.89	13.78	36.73	223	119	P	V
		5448.23	39.07	-14.93	54	30.07	31.96	13.8	36.76	223	119	A	V

802.11n HT20 CH 64 5320MHz	*	5320	95.07	-	-	86.17	31.85	13.76	36.71	215	92	P	H
	*	5320	84.07	-	-	75.17	31.85	13.76	36.71	215	92	A	H
		5362.76	52.23	-21.77	74	43.3	31.89	13.77	36.73	215	92	P	H
		5447.35	39.32	-14.68	54	30.32	31.96	13.8	36.76	215	92	A	H
	*	5320	92.55	-	-	83.65	31.85	13.76	36.71	228	115	P	V
	*	5320	80.8	-	-	71.9	31.85	13.76	36.71	228	115	A	V
		5431.95	52.02	-21.98	74	43.03	31.95	13.79	36.75	228	115	P	V
		5448.12	39.49	-14.51	54	30.49	31.96	13.8	36.76	228	115	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		10520	45.4	-28.6	74	22.53	38.84	19.98	35.95	150	220	P	H
		15780	47.32	-26.68	74	17.02	37.79	25.17	32.66	150	345	P	H
		10520	47.95	-26.05	74	25.08	38.84	19.98	35.95	150	220	P	V
		15780	46.7	-27.3	74	16.4	37.79	25.17	32.66	150	345	P	V
802.11n HT20 CH 60 5300MHz		10600	49.71	-24.29	74	26.41	38.95	20.25	35.9	185	215	P	H
		15900	43.61	-30.39	74	13.54	37.42	25.43	32.78	196	190	P	H
		10600	48.57	-25.43	74	25.27	38.95	20.25	35.9	185	215	P	V
		15900	47.34	-26.66	74	17.27	37.42	25.43	32.78	196	190	P	V
802.11n HT20 CH 64 5320MHz		10640	47.89	-26.11	74	24.37	39	20.39	35.87	152	135	P	H
		15960	45.33	-28.67	74	15.37	37.21	25.6	32.85	173	245	P	H
		10640	50.04	-23.96	74	26.52	39	20.39	35.87	152	135	P	V
		15960	47.15	-26.85	74	17.19	37.21	25.6	32.85	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5096.3	52.29	-21.71	74	43.32	31.68	13.78	36.49	249	292	P	H
		5028.95	41.11	-12.89	54	32.1	31.63	13.79	36.41	249	292	A	H
	*	5270	101.72	-	-	92.85	31.81	13.75	36.69	249	292	P	H
	*	5270	91.8	-	-	82.93	31.81	13.75	36.69	249	292	A	H
		5352.64	52.41	-21.59	74	43.48	31.88	13.77	36.72	249	292	P	H
		5447.35	40.59	-13.41	54	31.59	31.96	13.8	36.76	249	292	A	H
		5035.7	52.48	-21.52	74	43.47	31.63	13.79	36.41	211	275	P	V
		5031.5	41.02	-12.98	54	32.01	31.63	13.79	36.41	211	275	A	V
	*	5270	97.9	-	-	89.03	31.81	13.75	36.69	211	275	P	V
	*	5270	86.92	-	-	78.05	31.81	13.75	36.69	211	275	A	V
		5453.73	52.54	-21.46	74	43.54	31.96	13.8	36.76	211	275	P	V
		5447.68	40.67	-13.33	54	31.67	31.96	13.8	36.76	211	275	A	V
802.11n HT40 CH 62 5310MHz		5071.55	52.67	-21.33	74	43.68	31.67	13.79	36.47	248	244	P	H
		5028.65	41.04	-12.96	54	32.03	31.63	13.79	36.41	248	244	A	H
	*	5310	102.16	-	-	93.26	31.85	13.76	36.71	248	244	P	H
	*	5310	92	-	-	83.1	31.85	13.76	36.71	248	244	A	H
		5358.58	59.83	-14.17	74	50.9	31.88	13.77	36.72	248	244	P	H
		5350.44	45.99	-8.01	54	37.06	31.88	13.77	36.72	248	244	A	H
		5083.7	52.62	-21.38	74	43.63	31.67	13.79	36.47	179	275	P	V
		5030	40.98	-13.02	54	31.97	31.63	13.79	36.41	179	275	A	V
	*	5310	97.55	-	-	88.65	31.85	13.76	36.71	179	275	P	V
	*	5310	87.13	-	-	78.23	31.85	13.76	36.71	179	275	A	V
		5352.31	54.06	-19.94	74	45.13	31.88	13.77	36.72	179	275	P	V
		5350	41.96	-12.04	54	33.03	31.88	13.77	36.72	179	275	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		10540	48.53	-25.47	74	25.49	38.86	20.12	35.94	110	220	P	H
		15810	44.89	-29.11	74	14.63	37.69	25.26	32.69	109	345	P	H
		10540	49.12	-24.88	74	26.08	38.86	20.12	35.94	110	220	P	V
		15810	45.82	-28.18	74	15.56	37.69	25.26	32.69	109	345	P	V
802.11n HT40 CH 62 5310MHz		10620	47.71	-26.29	74	24.23	38.98	20.39	35.89	185	215	P	H
		15930	40.34	-33.66	74	10.33	37.31	25.51	32.81	196	190	P	H
		10620	46.78	-27.22	74	23.3	38.98	20.39	35.89	185	215	P	V
		15930	44.97	-29.03	74	14.96	37.31	25.51	32.81	196	190	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT20 CH 52 5260MHz		5046.2	51.19	-22.81	74	42.19	31.64	13.79	36.43	150	261	P	H
		5028.2	38.64	-15.36	54	29.63	31.63	13.79	36.41	150	261	A	H
	*	5260	94.11	-	-	85.24	31.81	13.75	36.69	150	261	P	H
	*	5260	84.04	-	-	75.17	31.81	13.75	36.69	150	261	A	H
		5448.23	51.57	-22.43	74	42.57	31.96	13.8	36.76	150	261	P	H
		5447.9	39.09	-14.91	54	30.09	31.96	13.8	36.76	150	261	A	H
		5006.75	51.23	-22.77	74	42.22	31.61	13.79	36.39	151	289	P	V
		5028.5	38.5	-15.5	54	29.49	31.63	13.79	36.41	151	289	A	V
	*	5260	90.38	-	-	81.51	31.81	13.75	36.69	151	289	P	V
	*	5260	80.23	-	-	71.36	31.81	13.75	36.69	151	289	A	V
		5455.82	52.49	-21.51	74	43.49	31.96	13.8	36.76	151	289	P	V
		5447.02	39.36	-14.64	54	30.36	31.96	13.8	36.76	151	289	A	V
802.11ac VHT20 CH 60 5300MHz		5122.85	51.8	-22.2	74	42.85	31.71	13.78	36.54	150	261	P	H
		5028.05	38.47	-15.53	54	29.46	31.63	13.79	36.41	150	261	A	H
	*	5300	92.03	-	-	83.13	31.84	13.76	36.7	150	261	P	H
	*	5300	81.99	-	-	73.09	31.84	13.76	36.7	150	261	A	H
		5404.67	51.87	-22.13	74	42.91	31.92	13.78	36.74	150	261	P	H
		5447.68	39.13	-14.87	54	30.13	31.96	13.8	36.76	150	261	A	H
		5120.15	51.34	-22.66	74	42.38	31.69	13.78	36.51	151	289	P	V
		5028.5	38.57	-15.43	54	29.56	31.63	13.79	36.41	151	289	A	V
	*	5300	90.35	-	-	81.45	31.84	13.76	36.7	151	289	P	V
	*	5300	80.36	-	-	71.46	31.84	13.76	36.7	151	289	A	V
		5418.09	51.74	-22.26	74	42.77	31.93	13.79	36.75	151	289	P	V
		5447.13	39.42	-14.58	54	30.42	31.96	13.8	36.76	151	289	A	V

802.11ac VHT20 CH 64 5320MHz	*	5320	93.88	-	-	84.98	31.85	13.76	36.71	150	261	P	H
	*	5320	83.41	-	-	74.51	31.85	13.76	36.71	150	261	A	H
		5448.89	52.84	-21.16	74	43.84	31.96	13.8	36.76	150	261	P	H
		5448.78	38.93	-15.07	54	29.93	31.96	13.8	36.76	150	261	A	H
	*	5320	91.2	-	-	82.3	31.85	13.76	36.71	151	289	P	V
	*	5320	81.26	-	-	72.36	31.85	13.76	36.71	151	289	A	V
		5390.04	52.35	-21.65	74	43.39	31.91	13.78	36.73	151	289	P	V
		5447.79	39.06	-14.94	54	30.06	31.96	13.8	36.76	151	289	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 52 5260MHz		10520	46.09	-27.91	74	23.22	38.84	19.98	35.95	150	220	P	H
		15780	44.13	-29.87	74	13.83	37.79	25.17	32.66	150	345	P	H
		10520	47.51	-26.49	74	24.64	38.84	19.98	35.95	150	220	P	V
		15780	43.57	-30.43	74	13.27	37.79	25.17	32.66	150	345	P	V
802.11ac VHT20 CH 60 5300MHz		10600	46.82	-27.18	74	23.52	38.95	20.25	35.9	185	215	P	H
		15900	43.71	-30.29	74	13.64	37.42	25.43	32.78	196	190	P	H
		10600	49.62	-24.38	74	26.32	38.95	20.25	35.9	185	215	P	V
		15900	44.41	-29.59	74	14.34	37.42	25.43	32.78	196	190	P	V
802.11ac VHT20 CH 64 5320MHz		10640	49.27	-24.73	74	25.75	39	20.39	35.87	152	135	P	H
		15960	44.09	-29.91	74	14.13	37.21	25.6	32.85	173	245	P	H
		10640	46.87	-27.13	74	23.35	39	20.39	35.87	152	135	P	V
		15960	44.17	-29.83	74	14.21	37.21	25.6	32.85	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 54 5270MHz		5144.9	52.58	-21.42	74	43.65	31.72	13.77	36.56	235	307	P	H
		5028.95	40.98	-13.02	54	31.97	31.63	13.79	36.41	235	307	A	H
	*	5270	102.03	-	-	93.16	31.81	13.75	36.69	235	307	P	H
	*	5270	91.71	-	-	82.84	31.81	13.75	36.69	235	307	A	H
		5456.48	53.51	-20.49	74	44.51	31.96	13.8	36.76	235	307	P	H
		5447.57	41.29	-12.71	54	32.29	31.96	13.8	36.76	235	307	A	H
		5002.4	52.55	-21.45	74	43.52	31.6	13.8	36.37	241	279	P	V
		5027.75	40.92	-13.08	54	31.91	31.63	13.79	36.41	241	279	A	V
	*	5270	95.3	-	-	86.43	31.81	13.75	36.69	241	279	P	V
	*	5270	85.26	-	-	76.39	31.81	13.75	36.69	241	279	A	V
		5447.24	52.68	-21.32	74	43.68	31.96	13.8	36.76	241	279	P	V
		5447.46	40.62	-13.38	54	31.62	31.96	13.8	36.76	241	279	A	V
802.11ac VHT40 CH 62 5310MHz		5025.8	53.16	-20.84	74	44.15	31.63	13.79	36.41	235	308	P	H
		5028.35	41.03	-12.97	54	32.02	31.63	13.79	36.41	235	308	A	H
	*	5310	102.73	-	-	93.83	31.85	13.76	36.71	235	308	P	H
	*	5310	92.12	-	-	83.22	31.85	13.76	36.71	235	308	A	H
		5355.5	60.8	-13.2	74	51.87	31.88	13.77	36.72	235	308	P	H
		5352.97	46.16	-7.84	54	37.23	31.88	13.77	36.72	235	308	A	H
		5060.15	52.31	-21.69	74	43.32	31.65	13.79	36.45	241	279	P	V
		5028.5	41.23	-12.77	54	32.22	31.63	13.79	36.41	241	279	A	V
	*	5310	97.33	-	-	88.43	31.85	13.76	36.71	241	279	P	V
	*	5310	87.27	-	-	78.37	31.85	13.76	36.71	241	279	A	V
		5350	56.09	-17.91	74	47.16	31.88	13.77	36.72	241	279	P	V
		5350	42.83	-11.17	54	33.9	31.88	13.77	36.72	241	279	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 CH 54 5270MHz		10540	47.52	-26.48	74	24.48	38.86	20.12	35.94	150	220	P	H
		15810	44.4	-29.6	74	14.14	37.69	25.26	32.69	150	345	P	H
		10540	46.51	-27.49	74	23.47	38.86	20.12	35.94	150	220	P	V
		15810	44.6	-29.4	74	14.34	37.69	25.26	32.69	150	345	P	V
802.11ac VHT40 CH 62 5310MHz		10620	47.81	-26.19	74	24.33	38.98	20.39	35.89	185	215	P	H
		15930	45.41	-28.59	74	15.4	37.31	25.51	32.81	196	190	P	H
		10620	47.05	-26.95	74	23.57	38.98	20.39	35.89	185	215	P	V
		15930	45.1	-28.9	74	15.09	37.31	25.51	32.81	196	190	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5010.35	52.89	-21.11	74	43.88	31.61	13.79	36.39	150	308	P	H
		5028.65	43.24	-10.76	54	34.23	31.63	13.79	36.41	150	308	A	H
	*	5290	95.69	-	-	86.79	31.83	13.76	36.69	150	308	P	H
	*	5290	86.96	-	-	78.06	31.83	13.76	36.69	150	308	A	H
		5351.76	54.19	-19.81	74	45.26	31.88	13.77	36.72	150	308	P	H
		5362.87	43.65	-10.35	54	34.72	31.89	13.77	36.73	150	308	A	H
		5069.9	52.76	-21.24	74	43.77	31.65	13.79	36.45	155	273	P	V
		5033.3	42.01	-11.99	54	33	31.63	13.79	36.41	155	273	A	V
	*	5290	95.72	-	-	86.82	31.83	13.76	36.69	155	273	P	V
	*	5290	87.48	-	-	78.58	31.83	13.76	36.69	155	273	A	V
		5350.88	54.32	-19.68	74	45.39	31.88	13.77	36.72	155	273	P	V
		5387.29	44.92	-9.08	54	35.96	31.91	13.78	36.73	155	273	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 58 5290MHz		10480	47	-27	74	24.18	38.79	19.97	35.94	150	289	P	H
		15720	42.95	-31.05	74	12.64	37.96	25.09	32.74	200	291	P	H
		10480	48.89	-25.11	74	26.07	38.79	19.97	35.94	150	289	P	V
		15720	43.1	-30.9	74	12.79	37.96	25.09	32.74	200	291	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 0	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5400.24	51.76	-22.24	74	42.8	31.92	13.78	36.74	152	296	P	H
		5415.76	38.5	-15.5	54	29.53	31.93	13.79	36.75	152	296	A	H
	*	5500	94.2	-	-	85.17	32	13.81	36.78	152	296	P	H
	*	5500	84.12	-	-	75.09	32	13.81	36.78	152	296	A	H
		5413.68	52.15	-21.85	74	43.18	31.93	13.79	36.75	150	106	P	V
		5414.48	38.51	-15.49	54	29.54	31.93	13.79	36.75	150	106	A	V
	*	5500	89.53	-	-	80.5	32	13.81	36.78	150	106	P	V
	*	5500	79.55	-	-	70.52	32	13.81	36.78	150	106	A	V
802.11a CH 116 5580MHz		5371.44	51.68	-22.32	74	42.74	31.89	13.78	36.73	152	296	P	H
		5402.16	38.51	-15.49	54	29.55	31.92	13.78	36.74	152	296	A	H
	*	5580	96.87	-	-	87.55	32.11	13.98	36.77	152	296	P	H
	*	5580	86.2	-	-	76.88	32.11	13.98	36.77	152	296	A	H
		5734.6	53.48	-20.52	74	43.54	32.39	14.31	36.76	152	296	P	H
		5764.68	39.53	-14.47	54	29.57	32.41	14.31	36.76	152	296	A	H
		5397.04	52.05	-21.95	74	43.09	31.92	13.78	36.74	150	106	P	V
		5428.24	38.51	-15.49	54	29.54	31.93	13.79	36.75	150	106	A	V
	*	5580	90.87	-	-	81.55	32.11	13.98	36.77	150	106	P	V
	*	5580	80.54	-	-	71.22	32.11	13.98	36.77	150	106	A	V
		5762.84	52.76	-21.24	74	42.8	32.41	14.31	36.76	150	106	P	V
		5764.6	39.41	-14.59	54	29.45	32.41	14.31	36.76	150	106	A	V

802.11a CH 140 5700MHz	*	5700	95.47	-	-	85.7	32.3	14.23	36.76	152	295	P	H
	*	5700	84.71	-	-	74.94	32.3	14.23	36.76	152	295	A	H
		5726.28	53.43	-20.57	74	43.52	32.36	14.31	36.76	152	295	P	H
		5764.44	39.5	-14.5	54	29.54	32.41	14.31	36.76	152	295	A	H
	*	5700	90.03	-	-	80.26	32.3	14.23	36.76	150	106	P	V
	*	5700	80.17	-	-	70.4	32.3	14.23	36.76	150	106	A	V
		5727.4	53.19	-20.81	74	43.28	32.36	14.31	36.76	150	106	P	V
		5764.36	39.62	-14.38	54	29.66	32.41	14.31	36.76	150	106	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		11400	50.18	-23.82	74	24.21	39.13	22.47	35.63	150	285	P	H
		17100	46.79	-27.21	74	13.79	40.48	25.46	32.94	165	246	P	H
		11000	48.87	-25.13	74	24.05	39.5	21.17	35.85	163	230	P	V
		17100	44.42	-29.58	74	11.42	40.48	25.46	32.94	165	246	P	V
802.11a CH 116 5580MHz		11160	48.82	-25.18	74	23.31	39.35	22	35.84	170	200	P	H
		16740	45.22	-28.78	74	13.82	39.11	25.32	33.03	156	350	P	H
		11160	47.88	-26.12	74	22.37	39.35	22	35.84	170	200	P	V
		16740	42.78	-31.22	74	11.38	39.11	25.32	33.03	156	350	P	V
802.11a CH 140 5700MHz		11400	49.32	-24.68	74	23.35	39.13	22.47	35.63	150	285	P	H
		17100	44.39	-29.61	74	11.39	40.48	25.46	32.94	165	246	P	H
		11400	48.25	-25.75	74	22.28	39.13	22.47	35.63	150	285	P	V
		17100	45.98	-28.02	74	12.98	40.48	25.46	32.94	165	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5463.92	53.74	-20.26	74	44.74	31.97	13.8	36.77	239	270	P	H
		5469.04	40.09	-13.91	54	31.09	31.97	13.8	36.77	239	270	A	H
	*	5500	101.63	-	-	92.6	32	13.81	36.78	239	270	P	H
	*	5500	91.08	-	-	82.05	32	13.81	36.78	239	270	A	H
		5429.2	51.95	-22.05	74	42.96	31.95	13.79	36.75	152	296	P	V
		5442.32	38.89	-15.11	54	29.9	31.95	13.79	36.75	152	296	A	V
	*	5500	93.16	-	-	84.13	32	13.81	36.78	152	296	P	V
	*	5500	83.15	-	-	74.12	32	13.81	36.78	152	296	A	V
802.11a CH 116 5580MHz		5370.16	51.92	-22.08	74	42.98	31.89	13.78	36.73	239	270	P	H
		5429.52	38.74	-15.26	54	29.75	31.95	13.79	36.75	239	270	A	H
	*	5580	101.61	-	-	92.29	32.11	13.98	36.77	239	270	P	H
	*	5580	91.56	-	-	82.24	32.11	13.98	36.77	239	270	A	H
		5743.64	52.69	-21.31	74	42.75	32.39	14.31	36.76	239	270	P	H
		5763.96	39.6	-14.4	54	29.64	32.41	14.31	36.76	239	270	A	H
		5402.48	51.52	-22.48	74	42.56	31.92	13.78	36.74	152	296	P	V
		5428.56	38.45	-15.55	54	29.46	31.95	13.79	36.75	152	296	A	V
	*	5580	93.93	-	-	84.61	32.11	13.98	36.77	152	296	P	V
	*	5580	83.89	-	-	74.57	32.11	13.98	36.77	152	296	A	V
		5725.88	52.71	-21.29	74	42.8	32.36	14.31	36.76	152	296	P	V
		5764.28	39.56	-14.44	54	29.6	32.41	14.31	36.76	152	296	A	V

802.11a CH 140 5700MHz	*	5700	97.68	-	-	87.91	32.3	14.23	36.76	239	270	P	H
	*	5700	87.63	-	-	77.86	32.3	14.23	36.76	239	270	A	H
		5749.72	53.26	-20.74	74	43.32	32.39	14.31	36.76	239	270	P	H
		5749	39.9	-14.1	54	29.96	32.39	14.31	36.76	239	270	A	H
	*	5700	92	-	-	82.23	32.3	14.23	36.76	152	296	P	V
	*	5700	81.96	-	-	72.19	32.3	14.23	36.76	152	296	A	V
		5760.44	53.23	-20.77	74	43.27	32.41	14.31	36.76	152	296	P	V
		5751.16	39.43	-14.57	54	29.49	32.39	14.31	36.76	152	296	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		11100	50.45	-23.55	74	25.09	39.41	21.79	35.84	163	230	P	H
		16650	45.74	-28.26	74	14.58	38.88	25.27	32.99	178	296	P	H
		11100	50.53	-23.47	74	25.17	39.41	21.79	35.84	163	230	P	V
		16650	45.66	-28.34	74	14.5	38.88	25.27	32.99	178	296	P	V
802.11a CH 116 5580MHz		11160	50.68	-23.32	74	25.17	39.35	22	35.84	170	200	P	H
		16740	45.88	-28.12	74	14.48	39.11	25.32	33.03	156	350	P	H
		11160	49.78	-24.22	74	24.27	39.35	22	35.84	170	200	P	V
		16740	46.15	-27.85	74	14.75	39.11	25.32	33.03	156	350	P	V
802.11a CH 140 5700MHz		11400	50.29	-23.71	74	24.32	39.13	22.47	35.63	150	285	P	H
		17100	46.18	-27.82	74	13.18	40.48	25.46	32.94	165	246	P	H
		11400	49.61	-24.39	74	23.64	39.13	22.47	35.63	150	285	P	V
		17100	46.51	-27.49	74	13.51	40.48	25.46	32.94	165	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 100 5500MHz		5467.12	51.68	-22.32	74	42.68	31.97	13.8	36.77	216	93	P	H
		5469.2	38.67	-15.33	54	29.67	31.97	13.8	36.77	216	93	A	H
	*	5500	97.92	-	-	88.89	32	13.81	36.78	216	93	P	H
	*	5500	86.58	-	-	77.55	32	13.81	36.78	216	93	A	H
		5386.48	51.51	-22.49	74	42.55	31.91	13.78	36.73	228	115	P	V
		5401.2	38.57	-15.43	54	29.61	31.92	13.78	36.74	228	115	A	V
	*	5500	94.09	-	-	85.06	32	13.81	36.78	228	115	P	V
	*	5500	82.34	-	-	73.31	32	13.81	36.78	228	115	A	V
802.11n HT20 CH 116 5580MHz		5418.8	51.39	-22.61	74	42.42	31.93	13.79	36.75	215	93	P	H
		5415.6	38.62	-15.38	54	29.65	31.93	13.79	36.75	215	93	A	H
	*	5580	98.84	-	-	89.52	32.11	13.98	36.77	215	93	P	H
	*	5580	87.49	-	-	78.17	32.11	13.98	36.77	215	93	A	H
		5745.08	52.59	-21.41	74	42.65	32.39	14.31	36.76	215	93	P	H
		5763.16	39.43	-14.57	54	29.47	32.41	14.31	36.76	215	93	A	H
		5423.12	51.79	-22.21	74	42.82	31.93	13.79	36.75	229	116	P	V
		5401.52	38.52	-15.48	54	29.56	31.92	13.78	36.74	229	116	A	V
	*	5580	94.1	-	-	84.78	32.11	13.98	36.77	229	116	P	V
	*	5580	82.89	-	-	73.57	32.11	13.98	36.77	229	116	A	V
		5761.72	52.68	-21.32	74	42.72	32.41	14.31	36.76	229	116	P	V
		5737.56	39.57	-14.43	54	29.63	32.39	14.31	36.76	229	116	A	V

802.11n HT20 CH 140 5700MHz	*	5700	98.76	-	-	88.99	32.3	14.23	36.76	213	92	P	H
	*	5700	87.1	-	-	77.33	32.3	14.23	36.76	213	92	A	H
		5765	53.17	-20.83	74	43.21	32.41	14.31	36.76	213	92	P	H
		5744.76	39.84	-14.16	54	29.9	32.39	14.31	36.76	213	92	A	H
	*	5700	93.57	-	-	83.8	32.3	14.23	36.76	229	117	P	V
	*	5700	82.39	-	-	72.62	32.3	14.23	36.76	229	117	A	V
		5750.44	52.38	-21.62	74	42.44	32.39	14.31	36.76	229	117	P	V
		5760.76	39.52	-14.48	54	29.56	32.41	14.31	36.76	229	117	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 100 5500MHz		11000	49.25	-24.75	74	24.43	39.5	21.17	35.85	163	230	P	H
		16500	44.76	-29.24	74	14.06	38.47	25.16	32.93	178	296	P	H
		11000	47.51	-26.49	74	22.69	39.5	21.17	35.85	163	230	P	V
		16500	41.68	-32.32	74	10.98	38.47	25.16	32.93	178	296	P	V
802.11n HT20 CH 116 5580MHz		11160	50.75	-23.25	74	25.24	39.35	22	35.84	170	200	P	H
		16740	45.46	-28.54	74	14.06	39.11	25.32	33.03	156	350	P	H
		11160	50.58	-23.42	74	25.07	39.35	22	35.84	170	200	P	V
		16740	46.01	-27.99	74	14.61	39.11	25.32	33.03	156	350	P	V
802.11n HT20 CH 140 5700MHz		11400	50.5	-23.5	74	24.53	39.13	22.47	35.63	150	360	P	H
		17100	45.15	-28.85	74	12.15	40.48	25.46	32.94	165	246	P	H
		11400	50.54	-23.46	74	24.57	39.13	22.47	35.63	147	285	P	V
		17100	46.48	-27.52	74	13.48	40.48	25.46	32.94	165	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5466.8	63.69	-10.31	74	54.69	31.97	13.8	36.77	240	245	P	H
		5468.88	49.05	-4.95	54	40.05	31.97	13.8	36.77	240	245	A	H
	*	5510	103.67	-	-	94.64	32	13.81	36.78	240	245	P	H
	*	5510	92.5	-	-	83.47	32	13.81	36.78	240	245	A	H
		5739.72	53.33	-20.67	74	43.39	32.39	14.31	36.76	240	245	P	H
		5752.44	40.75	-13.25	54	30.79	32.41	14.31	36.76	240	245	A	H
		5468.56	59.79	-14.21	74	50.79	31.97	13.8	36.77	249	249	P	V
		5470	45.76	-8.24	54	36.76	31.97	13.8	36.77	249	249	A	V
	*	5510	100.05	-	-	91.02	32	13.81	36.78	249	249	P	V
	*	5510	90.11	-	-	81.08	32	13.81	36.78	249	249	A	V
		5762.92	53.18	-20.82	74	43.22	32.41	14.31	36.76	249	249	P	V
		5726.28	40.77	-13.23	54	30.86	32.36	14.31	36.76	249	249	A	V
802.11n HT40 CH 110 5590MHz		5433.04	52.42	-21.58	74	43.43	31.95	13.79	36.75	250	243	P	H
		5465.68	39.82	-14.18	54	30.82	31.97	13.8	36.77	250	243	A	H
	*	5550	102.55	-	-	93.36	32.08	13.89	36.78	250	243	P	H
	*	5550	93.07	-	-	83.88	32.08	13.89	36.78	250	243	A	H
		5731.24	53.59	-20.41	74	43.68	32.36	14.31	36.76	250	243	P	H
		5739	40.86	-13.14	54	30.92	32.39	14.31	36.76	250	243	A	H
		5392.88	53.07	-20.93	74	44.11	31.91	13.78	36.73	248	248	P	V
		5462.32	39.63	-14.37	54	30.63	31.96	13.8	36.76	248	248	A	V
	*	5550	99.81	-	-	90.62	32.08	13.89	36.78	248	248	P	V
	*	5550	89.82	-	-	80.63	32.08	13.89	36.78	248	248	A	V
		5727.48	53.29	-20.71	74	43.38	32.36	14.31	36.76	248	248	P	V
		5726.04	40.74	-13.26	54	30.83	32.36	14.31	36.76	248	248	A	V

802.11n HT40 CH 134 5670MHz		5438.64	52.58	-21.42	74	43.59	31.95	13.79	36.75	244	243	P	H
		5397.84	39.77	-14.23	54	30.81	31.92	13.78	36.74	244	243	A	H
	*	5670	104.04	-	-	94.39	32.28	14.14	36.77	244	243	P	H
	*	5670	93.42	-	-	83.77	32.28	14.14	36.77	244	243	A	H
		5729.72	55.16	-18.84	74	45.25	32.36	14.31	36.76	244	243	P	H
		5725.8	42.84	-11.16	54	32.93	32.36	14.31	36.76	244	243	A	H
		5436.56	51.77	-22.23	74	42.78	31.95	13.79	36.75	237	246	P	V
		5392.24	39.61	-14.39	54	30.65	31.91	13.78	36.73	237	246	A	V
	*	5670	99.66	-	-	90.01	32.28	14.14	36.77	237	246	P	V
	*	5670	89.8	-	-	80.15	32.28	14.14	36.77	237	246	P	V
		5733.16	54.22	-19.78	74	44.31	32.36	14.31	36.76	237	246	P	V
		5726.2	41.74	-12.26	54	31.83	32.36	14.31	36.76	237	246	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		11020	48.13	-25.87	74	23.12	39.48	21.38	35.85	163	230	P	H
		16530	43.09	-30.91	74	12.28	38.56	25.19	32.94	178	296	P	H
		11020	50.34	-23.66	74	25.33	39.48	21.38	35.85	163	230	P	V
		16530	44.63	-29.37	74	13.82	38.56	25.19	32.94	178	296	P	V
802.11n HT40 CH 110 5590MHz		11100	48.31	-25.69	74	22.95	39.41	21.79	35.84	163	230	P	H
		16650	45.6	-28.4	74	14.44	38.88	25.27	32.99	178	296	P	H
		11100	49.5	-24.5	74	24.14	39.41	21.79	35.84	163	230	P	V
		16650	46.27	-27.73	74	15.11	38.88	25.27	32.99	178	296	P	V
802.11n HT40 CH 134 5670MHz		11340	49.68	-24.32	74	23.69	39.19	22.52	35.72	170	200	P	H
		17010	45.39	-28.61	74	12.87	39.91	25.48	32.87	156	350	P	H
		11340	50.45	-23.55	74	24.46	39.19	22.52	35.72	170	200	P	V
		17010	46.77	-27.23	74	14.25	39.91	25.48	32.87	156	350	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 100 5500MHz		5407.28	52.13	-21.87	74	43.16	31.92	13.79	36.74	230	306	P	H
		5442	38.45	-15.55	54	29.46	31.95	13.79	36.75	230	306	A	H
	*	5500	94.47	-	-	85.44	32	13.81	36.78	230	306	P	H
	*	5500	84.45	-	-	75.42	32	13.81	36.78	230	306	A	H
		5428.72	51.41	-22.59	74	42.42	31.95	13.79	36.75	151	289	P	V
		5442	38.51	-15.49	54	29.52	31.95	13.79	36.75	151	289	A	V
	*	5500	91.31	-	-	82.28	32	13.81	36.78	151	289	P	V
	*	5500	81.28	-	-	72.25	32	13.81	36.78	151	289	A	V
802.11ac VHT20 CH 116 5580MHz		5415.92	51.4	-22.6	74	42.43	31.93	13.79	36.75	230	306	P	H
		5426.64	38.38	-15.62	54	29.41	31.93	13.79	36.75	230	306	A	H
	*	5580	96.4	-	-	87.08	32.11	13.98	36.77	230	306	P	H
	*	5580	86.36	-	-	77.04	32.11	13.98	36.77	230	306	A	H
		5754.28	53.2	-20.8	74	43.24	32.41	14.31	36.76	230	306	P	H
		5764.84	39.52	-14.48	54	29.56	32.41	14.31	36.76	230	306	A	H
		5414.48	51.58	-22.42	74	42.61	31.93	13.79	36.75	151	289	P	V
		5414	38.62	-15.38	54	29.65	31.93	13.79	36.75	151	289	A	V
	*	5580	91.78	-	-	82.46	32.11	13.98	36.77	151	289	P	V
	*	5580	81.69	-	-	72.37	32.11	13.98	36.77	151	289	A	V
		5738.52	52.36	-21.64	74	42.42	32.39	14.31	36.76	151	289	P	V
		5736.76	39.56	-14.44	54	29.62	32.39	14.31	36.76	151	289	A	V

802.11ac VHT20 CH 140 5700MHz	*	5700	96.3	-	-	86.53	32.3	14.23	36.76	230	306	P	H
	*	5700	86.2	-	-	76.43	32.3	14.23	36.76	230	306	A	H
		5760.52	52.97	-21.03	74	43.01	32.41	14.31	36.76	230	306	P	H
		5762.28	39.52	-14.48	54	29.56	32.41	14.31	36.76	230	306	A	H
	*	5700	92.9	-	-	83.13	32.3	14.23	36.76	151	289	P	V
	*	5700	82.93	-	-	73.16	32.3	14.23	36.76	151	289	P	V
		5747.32	53.37	-20.63	74	43.43	32.39	14.31	36.76	151	289	P	V
		5764.6	39.61	-14.39	54	29.65	32.41	14.31	36.76	151	289	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT20 CH 100 5500MHz		11000	47.36	-26.64	74	22.54	39.5	21.17	35.85	163	230	P	H
		16500	43.83	-30.17	74	13.13	38.47	25.16	32.93	178	296	P	H
		11000	49.36	-24.64	74	24.54	39.5	21.17	35.85	163	230	P	V
		16500	44.6	-29.4	74	13.9	38.47	25.16	32.93	178	296	P	V
802.11ac VHT20 CH 116 5580MHz		11160	49.59	-24.41	74	24.08	39.35	22	35.84	170	200	P	H
		16740	47.51	-26.49	74	16.11	39.11	25.32	33.03	156	350	P	H
		11160	49.4	-24.6	74	23.89	39.35	22	35.84	170	200	P	V
		16740	44.61	-29.39	74	13.21	39.11	25.32	33.03	156	350	P	V
802.11ac VHT20 CH 140 5700MHz		11400	45.05	-28.95	74	19.08	39.13	22.47	35.63	150	285	P	H
		17100	43.14	-30.86	74	10.14	40.48	25.46	32.94	165	246	P	H
		11400	44.58	-29.42	74	18.61	39.13	22.47	35.63	150	285	P	V
		17100	44.04	-29.96	74	11.04	40.48	25.46	32.94	165	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
0+1													
802.11ac VHT40 CH 102 5510MHz		5469.84	62.59	-11.41	74	53.59	31.97	13.8	36.77	238	308	P	H
		5468.72	48.52	-5.48	54	39.52	31.97	13.8	36.77	238	308	A	H
	*	5510	102.43	-	-	93.4	32	13.81	36.78	238	308	P	H
	*	5510	91.63	-	-	82.6	32	13.81	36.78	238	308	A	H
		5756.68	53.17	-20.83	74	43.21	32.41	14.31	36.76	238	308	P	H
		5729	40.66	-13.34	54	30.75	32.36	14.31	36.76	238	308	A	H
		5469.2	58.91	-15.09	74	49.91	31.97	13.8	36.77	241	279	P	V
		5469.36	45.36	-8.64	54	36.36	31.97	13.8	36.77	241	279	A	V
	*	5510	98.45	-	-	89.42	32	13.81	36.78	241	279	P	V
	*	5510	87.39	-	-	78.36	32	13.81	36.78	241	279	A	V
		5732.76	53.26	-20.74	74	43.35	32.36	14.31	36.76	241	279	P	V
		5725.8	40.71	-13.29	54	30.8	32.36	14.31	36.76	241	279	A	V
802.11ac VHT40 CH 110 5550MHz		5464.08	52.27	-21.73	74	43.27	31.97	13.8	36.77	249	298	P	H
		5444.88	39.87	-14.13	54	30.88	31.95	13.79	36.75	249	298	A	H
	*	5550	102.91	-	-	93.72	32.08	13.89	36.78	249	298	P	H
	*	5550	92.24	-	-	83.05	32.08	13.89	36.78	249	298	A	H
		5747.48	54.07	-19.93	74	44.13	32.39	14.31	36.76	249	298	P	H
		5726.44	40.69	-13.31	54	30.78	32.36	14.31	36.76	249	298	A	H
		5383.92	52.72	-21.28	74	43.76	31.91	13.78	36.73	241	279	P	V
		5404.56	39.75	-14.25	54	30.79	31.92	13.78	36.74	241	279	A	V
	*	5550	101.46	-	-	92.27	32.08	13.89	36.78	241	279	P	V
	*	5550	90.91	-	-	81.72	32.08	13.89	36.78	241	279	A	V
		5755.64	52.99	-21.01	74	43.03	32.41	14.31	36.76	241	279	P	V
		5728.92	40.89	-13.11	54	30.98	32.36	14.31	36.76	241	279	A	V

802.11ac VHT40 CH 134 5670MHz		5450.96	52.25	-21.75	74	43.25	31.96	13.8	36.76	248	298	P	H
		5364.08	39.85	-14.15	54	30.92	31.89	13.77	36.73	248	298	A	H
	*	5670	102.87	-	-	93.22	32.28	14.14	36.77	248	298	P	H
	*	5670	92.09	-	-	82.44	32.28	14.14	36.77	248	298	A	H
		5729.4	53.55	-20.45	74	43.64	32.36	14.31	36.76	248	298	P	H
		5726.2	41.59	-12.41	54	31.68	32.36	14.31	36.76	248	298	A	H
		5403.76	52.07	-21.93	74	43.11	31.92	13.78	36.74	240	286	P	V
		5408.88	39.5	-14.5	54	30.53	31.92	13.79	36.74	240	286	A	V
	*	5670	101.05	-	-	91.4	32.28	14.14	36.77	240	286	P	V
	*	5670	91.14	-	-	81.49	32.28	14.14	36.77	240	286	A	V
		5747.96	54.18	-19.82	74	44.24	32.39	14.31	36.76	240	286	P	V
		5728.84	42.29	-11.71	54	32.38	32.36	14.31	36.76	240	286	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT40 CH 102 5510MHz		11020	48.01	-25.99	74	23	39.48	21.38	35.85	163	230	P	H
		16530	43.99	-30.01	74	13.18	38.56	25.19	32.94	178	296	P	H
		11020	48.31	-25.69	74	23.3	39.48	21.38	35.85	163	230	P	V
		16530	44.42	-29.58	74	13.61	38.56	25.19	32.94	178	296	P	V
802.11ac VHT40 CH 110 5550MHz		11100	48.96	-25.04	74	23.6	39.41	21.79	35.84	163	230	P	H
		16650	44.14	-29.86	74	12.98	38.88	25.27	32.99	178	296	P	H
		11100	49.13	-24.87	74	23.77	39.41	21.79	35.84	163	230	P	V
		16650	44.3	-29.7	74	13.14	38.88	25.27	32.99	178	296	P	V
802.11ac VHT40 CH 134 5670MHz		11340	50.98	-23.02	74	24.99	39.19	22.52	35.72	170	200	P	H
		17010	46.38	-27.62	74	13.86	39.91	25.48	32.87	156	350	P	H
		11340	49.97	-24.03	74	23.98	39.19	22.52	35.72	170	200	P	V
		17010	46.52	-27.48	74	14	39.91	25.48	32.87	156	350	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 106 5530MHz		5469.84	56.72	-17.28	74	47.72	31.97	13.8	36.77	150	308	P	H
		5436.08	45.28	-8.72	54	36.29	31.95	13.79	36.75	150	308	A	H
	*	5530	97.68	-	-	88.54	32.03	13.89	36.78	150	308	P	H
	*	5530	89.67	-	-	80.53	32.03	13.89	36.78	150	308	A	H
		5731.72	53.56	-20.44	74	43.65	32.36	14.31	36.76	150	308	P	H
		5730.28	41.99	-12.01	54	32.08	32.36	14.31	36.76	150	308	A	H
		5469.36	59.4	-14.6	74	50.4	31.97	13.8	36.77	155	273	P	V
		5433.68	45.55	-8.45	54	36.56	31.95	13.79	36.75	155	273	A	V
	*	5530	93.57	-	-	84.43	32.03	13.89	36.78	155	273	P	V
	*	5530	85.53	-	-	76.39	32.03	13.89	36.78	155	273	A	V
		5730.76	53.52	-20.48	74	43.61	32.36	14.31	36.76	155	273	P	V
		5737.4	41.83	-12.17	54	31.89	32.39	14.31	36.76	155	273	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 106 5530MHz		11060	49.26	-24.74	74	24.08	39.44	21.58	35.84	150	360	P	H
		16590	44.66	-29.34	74	13.72	38.7	25.21	32.97	150	0	P	H
		11060	49.32	-24.68	74	24.14	39.44	21.58	35.84	150	360	P	V
		16590	44	-30	74	13.06	38.7	25.21	32.97	150	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

15E Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		149.31	38.82	-4.68	43.5	49.36	13.09	1.89	25.52	146	289	P	H
		263.77	31.36	-14.64	46	41.05	12.87	2.56	25.12	-	-	P	H
		355.92	22.32	-23.68	46	29.97	14.83	2.99	25.47	-	-	P	H
		475.23	31.24	-14.76	46	35.57	18.4	3.48	26.21	-	-	P	H
		624.61	27.17	-18.83	46	29.73	19.85	4.01	26.42	-	-	P	H
		853.53	30.14	-15.86	46	29.35	22.02	4.78	26.01	-	-	P	H
		40.67	36.3	-3.7	40	47.26	14.08	0.97	26.01	120	230	P	V
		85.29	32.86	-7.14	40	46.94	10.35	1.41	25.84	-	-	P	V
		150.28	38.15	-5.35	43.5	48.75	13.01	1.9	25.51	-	-	P	V
		475.23	33.96	-12.04	46	38.29	18.4	3.48	26.21	-	-	P	V
		652.74	27.98	-18.02	46	30.15	20.01	4.22	26.4	-	-	P	V
		802.12	30.5	-15.5	46	29.57	22.48	4.61	26.16	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency per 15.209(c).
!	Test result is **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.