

FCC Test Report

Report No.: RF170731C10A

FCC ID: QXO-AP3917E

Test Model: AP3917e

Series Model: AP7662 (refer to item 3.1 for more details)

Received Date: Jul. 31, 2017

Test Date: Aug. 15 ~ Oct. 26, 2017

Issued Date: Nov. 14, 2017

Applicant: Extreme Networks, Inc.

Address: 6480 VIA DEL ORO SAN JOSE CA 95119 USA

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)

Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)

FCC Registration / 788550 / TW0003

Designation Number:



This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification. The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

Table of Contents

Release Control Record	4
1 Certificate of Conformity	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	6
2.2 Modification Record	6
3 General Information	7
3.1 General Description of EUT	7
3.2 Description of Test Modes	14
3.2.1 Test Mode Applicability and Tested Channel Detail	15
3.3 Duty Cycle of Test Signal	17
3.4 Description of Support Units	18
3.4.1 Configuration of System under Test	18
3.5 General Description of Applied Standards	18
4 Test Types and Results	19
4.1 Radiated Emission and Bandedge Measurement.....	19
4.1.1 Limits of Radiated Emission and Bandedge Measurement	19
4.1.2 Test Instruments	20
4.1.3 Test Procedures.....	21
4.1.4 Deviation from Test Standard	21
4.1.5 Test Setup.....	22
4.1.6 EUT Operating Conditions.....	23
4.1.7 Test Results	24
4.2 Conducted Emission Measurement	149
4.2.1 Limits of Conducted Emission Measurement	149
4.2.2 Test Instruments	149
4.2.3 Test Procedures.....	150
4.2.4 Deviation from Test Standard	150
4.2.5 Test Setup.....	150
4.2.6 EUT Operating Conditions.....	150
4.2.7 Test Results	151
4.3 Transmit Power Measurement	161
4.3.1 Limits of Transmit Power Measurement	161
4.3.2 Test Setup.....	161
4.3.3 Test Instruments	162
4.3.4 Test Procedure	162
4.3.5 Deviation from Test Standard	162
4.3.6 EUT Operating Conditions.....	162
4.3.7 Test Result.....	163
4.4 Occupied Bandwidth Measurement	223
4.4.1 Test Setup.....	223
4.4.2 Test Instruments	223
4.4.3 Test Procedure	223
4.4.4 Test Result.....	224
4.5 Peak Power Spectral Density Measurement	239
4.5.1 Limits of Peak Power Spectral Density Measurement	239
4.5.2 Test Setup.....	239
4.5.3 Test Instruments	239
4.5.4 Test Procedures.....	240
4.5.5 Deviation from Test Standard	240
4.5.6 EUT Operating Conditions.....	240
4.5.7 Test Results	241
4.6 Frequency Stability.....	266
4.6.1 Limits of Frequency Stability Measurement	266

4.6.2	Test Setup.....	266
4.6.3	Test Instruments	266
4.6.4	Test Procedure	266
4.6.5	Deviation from Test Standard	266
4.6.6	EUT Operating Condition	266
4.6.7	Test Results	267
4.7	6dB Bandwidth Measurement.....	268
4.7.1	Limits of 6dB Bandwidth Measurement.....	268
4.7.2	Test Setup.....	268
4.7.3	Test Instruments	268
4.7.4	Test Procedure	268
4.7.5	Deviation from Test Standard	268
4.7.6	EUT Operating Condition	268
4.7.7	Test Results	269
5	Pictures of Test Arrangements.....	279
	Appendix – Information on the Testing Laboratories	280

Release Control Record

Issue No.	Description	Date Issued
RF170731C10A	Original release.	Nov. 14, 2017

1 Certificate of Conformity

Product: Wireless 802.11 a/ac+b/g/n Access Point

Brand: Extreme Networks

Test Model: AP3917e

Series Model: AP7662 (refer to item 3.1 for more details)

Sample Status: Engineering sample

Applicant: Extreme Networks, Inc.

Test Date: Aug. 15 ~ Oct. 26, 2017

Standards: 47 CFR FCC Part 15, Subpart E (Section 15.407)
ANSI C63.10:2013

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by :  , **Date:** Nov. 14, 2017
Suntee Liu / Specialist

Approved by :  , **Date:** Nov. 14, 2017
Ken Liu / Senior Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -4.35dB at 0.48168MHz.
15.407(b)(1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement	Pass	Meet the requirement of limit. Minimum passing margin is -1.1dB at 5470.00MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	-	Reference only.
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6dB bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	Pass	Meet the requirement of limit.
15.203	Antenna Requirement	Pass	Antenna connector is Dipole not a standard connector.

*For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOB test plots were recorded in Annex A.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) (\pm)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.94 dB
Radiated Emissions up to 1 GHz	30MHz ~ 200MHz	3.86 dB
	200MHz ~ 1000MHz	3.87 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	2.29 dB
	18GHz ~ 40GHz	2.29 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	Wireless 802.11 a/ac+b/g/n Access Point
Brand	Extreme Networks
Test Model	AP3917e
Series Model	AP7662
Model Difference	Refer to Note
Sample Status	Engineering sample
Power Supply Rating	54Vdc (POE)
Modulation Type	256QAM, 64QAM, 16QAM, QPSK, BPSK
Modulation Technology	OFDM
Transfer Rate	802.11a: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 300Mbps 802.11ac: up to 867Mbps
Operating Frequency	5260~5320MHz, 5500~5720MHz
Number of Channel	5260~5320MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 4 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1 5500~5720MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 12 802.11n (HT40), 802.11ac (VHT40): 6 802.11ac (VHT80): 3
Output Power	Refer to Note
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Cable Supplied	1.75m non-shielded ground cable without core

Note:

1. This report is prepared for FCC class II permissive change. The difference compared with the original report (BV ADT report no.: RF170731C10-1) is adding 5.26GHz to 5.32GHz and 5.50GHz to 5.72GHz by software.
2. The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitters and 2 receivers.

Band	Modulation Mode	TX Function	Beamforming
2.4GHz	802.11b	2TX	Not Support
	802.11g	2TX	Not Support
	802.11n (HT20)	2TX	Support
	802.11n (HT40)	2TX	Support
5GHz	802.11a	2TX	Not Support
	802.11n (HT20)	2TX	Support
	802.11n (HT40)	2TX	Support
	802.11ac (VHT20)	2TX	Support
	802.11ac (VHT40)	2TX	Support
	802.11ac (VHT80)	2TX	Support

* The modulation and bandwidth are similar for 802.11n mode for HT20/HT40 and 802.11ac mode for VHT20/VHT40, therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1)

* CDD mode is the worst case for final tests after pretesting CDD mode and beamforming mode except output power test.

3. All models are listed as below. Model: AP3917e was chosen for final test.

Brand	Model	Difference
Extreme Networks	AP3917e	All models are electrically identical, only cover printing different.
	AP7662	

4. The EUT consumes power from following POE. (Support units only)

POE	
Brand	EnGenius
Model	EPA5006GP
Input Power	100-240Vac, 50-60Hz, 0.8A
Output Power	54Vdc, 0.6A Pin 4, 5: 54Vdc Pin 7, 8: Return

5. The EUT uses following antennas.

Item	Function	Antenna Type	Part No	Connector	Gain (dBi)		
					2.4G	4.9G	5G
1	WLAN	Dipole	ML-2452-HPAG5A8-01	N Male	5	7.5	8
2	WLAN	Dipole	ML-2452-HPAG4A6-01	N Male	4		7.3
3	WLAN	Dipole	ML-2452-HPA6X6-036	N Male	4		6
4	WLAN	Dipole	WS-AO-DQ04360N	4 N Male	5.5		6
5	WLAN	Dipole	ML-2499-HPA4-01	N Male	4.5		
6	WLAN	Dipole	ML-2452-HPA6-01	N Male	5.3	4.6	6.1
7	WLAN	Dipole	ML-5299-HPA5-01	N Male			5.6
8	WLAN & BT LE & Zigbee	Dipole	ML-2499-HPA8-01	N Male	8		
9	WLAN	Dipole	ML-2499-FHPA5-01R	N Male	7.7		
10	WLAN	Dipole	ML-5299-FHPA6-01R	N Male		8.25	8.25
11	WLAN	Panel	ML-2452-PNA5-01R	N Male	4.5	5	5~4.5 MAX:5
12	WLAN & BT LE & Zigbee	Panel	ML-2452-PNA7-01R	N Male	7.8	7	10.7~7 MAX:10.7
13	WLAN	Polarized Panel	ML-2452-PNL6M4-N36	4 N Male	5.6	6.7	6.7
14	WLAN	Polarized Panel	ML-2452-SEC6M4-N36	4 N Male	6.92		7.23
15	WLAN	Polarized Panel	ML-2452-SEC6M4-N30	4 N Male	5.5		6
16	WLAN	Polarized Panel	ML-2452-PNL9M3-N36	N Male	11	7.3	10.7

For 2.4GHz band:

- * Antenna 8 with the maximum gain was chosen for final test among Antenna 1~10.
- * Antenna 11, 12 were chosen for final test.
- * Antenna 13 with the maximum gain was chosen for final test among Antenna 13 & 15.
- * Antenna 16 with the maximum gain was chosen for final test among Antenna 14 & 16.

For 5GHz band:

- * Antenna 10 with the maximum gain was chosen for final test among Antenna 1~10.
- * Antenna 11, 12 were chosen for final test.
- * Antenna 13 with the maximum gain was chosen for final test among Antenna 13 & 15.
- * Antenna 16 with the maximum gain was chosen for final test among Antenna 14 & 16.

For 4.9GHz band:

- * Antenna 10 with the maximum gain was chosen for final test among Antenna 1~10.
- * Antenna 11, 12 were chosen for final test.
- * Antenna 13 with the maximum gain was chosen for final test among Antenna 13 & 15.
- * Antenna 16 with the maximum gain was chosen for final test among Antenna 14 & 16.

6. 2.4GHz & 4.9GHz/5GHz & BT LE/Zigbee technologies can transmit at same time.

BT LE & Zigbee technologies cannot transmit at same time.

7. Spurious emission of the simultaneous operation (2.4GHz & 4.9GHz/5GHz & BT LE/Zigbee) has been evaluated and no non-compliance was found.

8. Output Power is listed as below.

ML-5299-FHPA6-01R			
Frequency Band (MHz)	Mode	Output Power (mW)	Output Power (dBm)
5260~5320	CDD Mode	143.794	21.58
	Beamforming Mode	71.897	18.57
5500~5720	CDD Mode	113.808	20.56
	Beamforming Mode	56.904	17.55
ML-2452-PNA5-01R			
Frequency Band (MHz)	Mode	Output Power (mW)	Output Power (dBm)
5260~5320	CDD Mode	248.336	23.95
	Beamforming Mode	124.168	20.94
5500~5720	CDD Mode	244.649	23.89
	Beamforming Mode	122.325	20.88
ML-2452-PNA7-01R			
Frequency Band (MHz)	Mode	Output Power (mW)	Output Power (dBm)
5260~5320	CDD Mode	69.112	18.40
	Beamforming Mode	34.556	15.39
5500~5720	CDD Mode	73.161	18.64
	Beamforming Mode	36.580	15.63
ML-2452-PNL6M4-N36			
Frequency Band (MHz)	Mode	Output Power (mW)	Output Power (dBm)
5260~5320	CDD Mode	207.937	23.18
	Beamforming Mode	103.969	20.17
5500~5720	CDD Mode	197.711	22.96
	Beamforming Mode	98.856	19.95
ML-2452-PNL9M3-N36			
Frequency Band (MHz)	Mode	Output Power (mW)	Output Power (dBm)
5260~5320	CDD Mode	69.112	18.40
	Beamforming Mode	37.069	15.69
5500~5720	CDD Mode	74.138	18.70
	Beamforming Mode	36.580	15.63

9. Power Setting is listed as below.

ML-5299-FHPA6-01R							
& ML-2452-HPAG5A8-01, ML-2452-HPAG4A6-01, ML-2452-HPA6X6-036, WS-AO-DQ04360N, ML-2499-HPA4-01, ML-2452-HPA6-01, ML-5299-HPA5-01, ML-2499-HPA8-01, ML-2499-FHPA5-01R							
		802.11a	802.11n (HT20)			802.11n (HT40)	802.11ac (VHT80)
CDD Mode	CH 52	15	15	CH 54	18	CH 58	11.5
	CH 60	15	15	CH 62	13.5	CH 106	13.5
	CH 64	14.5	15	CH 102	14	CH 122	15.5
	CH 100	14.5	14.5	CH 110	17	CH 138	18
	CH 116	14.5	14.5	CH 134	16.5		
	CH 140	14.5	15	CH 142	18		
	CH 144	14.5	14.5				
		802.11n (HT20)				802.11n (HT40)	802.11ac (VHT80)
Beamforming Mode	CH 52	15		CH 54	18	CH 58	11.5
	CH 60	15		CH 62	13.5	CH 106	13.5
	CH 64	15		CH 102	14	CH 122	15.5
	CH 100	14.5		CH 110	17	CH 138	18
	CH 116	14.5		CH 134	16.5		
	CH 140	15		CH 142	18		
	CH 144	14.5					
ML-2452-PNA5-01R							
		802.11a	802.11n (HT20)			802.11n (HT40)	802.11ac (VHT80)
CDD Mode	CH 52	19.5	19.5	CH 54	20.5	CH 58	14
	CH 60	19.5	19.5	CH 62	14.5	CH 106	15
	CH 64	17.5	17.5	CH 102	14.5	CH 122	18
	CH 100	18	18	CH 110	20.5	CH 138	19.5
	CH 116	18	18	CH 134	16.5		
	CH 140	15	15	CH 142	20		
	CH 144	19.5	20				
		802.11n (HT20)				802.11n (HT40)	802.11ac (VHT80)
Beamforming Mode	CH 52	19.5		CH 54	20.5	CH 58	14
	CH 60	19.5		CH 62	14.5	CH 106	15
	CH 64	17.5		CH 102	14.5	CH 122	18
	CH 100	18		CH 110	20.5	CH 138	19.5
	CH 116	18		CH 134	16.5		
	CH 140	15		CH 142	20		
	CH 144	20					

ML-2452-PNA7-01R							
		802.11a	802.11n (HT20)			802.11n (HT40)	802.11ac (VHT80)
CDD Mode	CH 52	12.5	12.5	CH 54	15	CH 58	11
	CH 60	12.5	12.5	CH 62	13	CH 106	12.5
	CH 64	12.5	12.5	CH 102	13.5	CH 122	15
	CH 100	12.5	12.5	CH 110	15	CH 138	15.5
	CH 116	12.5	12.5	CH 134	15		
	CH 140	12.5	13	CH 142	15		
	CH 144	13	13				
		802.11n (HT20)				802.11n (HT40)	802.11ac (VHT80)
Beamforming Mode	CH 52	12.5		CH 54	15	CH 58	11
	CH 60	12.5		CH 62	13	CH 106	12.5
	CH 64	12.5		CH 102	13.5	CH 122	15
	CH 100	12.5		CH 110	15	CH 138	15.5
	CH 116	12.5		CH 134	15		
	CH 140	13		CH 142	15		
	CH 144	13					
ML-2452-PNL6M4-N36 & ML-2452-SEC6M4-N30							
		802.11a	802.11n (HT20)			802.11n (HT40)	802.11ac (VHT80)
CDD Mode	CH 52	16.5	16.5	CH 54	19.5	CH 58	14.5
	CH 60	16.5	16.5	CH 62	16	CH 106	16.5
	CH 64	16.5	16.5	CH 102	16	CH 122	19
	CH 100	16	16.5	CH 110	19.5	CH 138	19.5
	CH 116	16	16.5	CH 134	17.5		
	CH 140	16	16.5	CH 142	19.5		
	CH 144	16	16.5				
		802.11n (HT20)				802.11n (HT40)	802.11ac (VHT80)
Beamforming Mode	CH 52	16.5		CH 54	19.5	CH 58	14.5
	CH 60	16.5		CH 62	16	CH 106	16.5
	CH 64	16.5		CH 102	16	CH 122	19
	CH 100	16.5		CH 110	19.5	CH 138	19.5
	CH 116	16.5		CH 134	17.5		
	CH 140	16.5		CH 142	19.5		
	CH 144	16.5					

ML-2452-PNL9M3-N36 & ML-2452-PNL9M3-N36							
		802.11a	802.11n (HT20)			802.11n (HT40)	802.11ac (VHT80)
CDD Mode	CH 52	12.5	12.5	CH 54	15	CH 58	14
	CH 60	12.5	12.5	CH 62	14	CH 106	15.5
	CH 64	12.5	12.5	CH 102	15	CH 122	15.5
	CH 100	12.5	12.5	CH 110	15	CH 138	15.5
	CH 116	12.5	12.5	CH 134	15		
	CH 140	12.5	13	CH 142	15		
	CH 144	13	13				
		802.11n (HT20)				802.11n (HT40)	802.11ac (VHT80)
Beamforming Mode	CH 52	12.5		CH 54	15	CH 58	14
	CH 60	12.5		CH 62	14	CH 106	15.5
	CH 64	12.5		CH 102	15	CH 122	15.5
	CH 100	12.5		CH 110	15	CH 138	15.5
	CH 116	12.5		CH 134	15		
	CH 140	13		CH 142	15		
	CH 144	13					

3.2 Description of Test Modes

5260~5320MHz:

4 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
52	5260 MHz	60	5300 MHz
56	5280 MHz	64	5320 MHz

2 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
58	5290MHz

5500~5720MHz:

12 channels are provided for 802.11a, 802.11n (HT20), 802.11ac (VHT20):

Channel	Frequency	Channel	Frequency
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz	144	5720 MHz

6 channels are provided for 802.11n (HT40), 802.11ac (VHT40):

Channel	Frequency	Channel	Frequency
102	5510 MHz	126	5630 MHz
110	5550 MHz	134	5670 MHz
118	5590 MHz	142	5710 MHz

3 channels are provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
106	5530 MHz	122	5610 MHz
138	5690 MHz		

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable to				Description
	RE \geq 1G	RE<1G	PLC	APCM	
A	√	√	√	√	ML-5299-FHPA6-01R
B	√	√	√	√	ML-2452-PNA5-01R
C	√	√	√	√	ML-2452-PNA7-01R
D	√	√	√	√	ML-2452-PNL6M4-N36
E	√	√	√	√	ML-2452-PNL9M3-N36

Where RE \geq 1G: Radiated Emission above 1GHz & Bandedge Measurement
 RE<1G: Radiated Emission below 1GHz
 PLC: Power Line Conducted Emission
 APCM: Antenna Port Conducted Measurement

Note:

1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on Y-plane for mode C and Z-plane for mode A, B, D, E.

Radiated Emission Test (Above 1GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)	Remark
A, B, C, D, E	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0	-
	802.11n (HT20)		52 to 64	52, 60, 64	OFDM	6.5	-
	802.11n (HT40)		54 to 62	54, 62	OFDM	13.5	-
	802.11ac (VHT80)		58	58	OFDM	29.3	-
	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0	-
	802.11n (HT20)		100 to 144	100, 116, 140, 144	OFDM	6.5	-
	802.11n (HT40)		102 to 142	102, 110, 134, 142	OFDM	13.5	-
	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	29.3	-

Radiated Emission Test (Below 1GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)	Remark
A, B, C, D, E	802.11a	5260-5320	52 to 64	52	OFDM	6.0	-
	802.11a	5500-5720	100 to 144		OFDM	6.0	-

Power Line Conducted Emission Test:

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)	Remark
A, B, C, D, E	802.11a	5260-5320	52 to 64	52	OFDM	6.0	-
	802.11a	5500-5720	100 to 144		OFDM	6.0	-

Antenna Port Conducted Measurement:

- This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.
- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Mode	Frequency Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Data Rate (Mbps)	Remark
A, B, C, D, E	802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6.0	-
	802.11n (HT20)		52 to 64	52, 60, 64	OFDM	6.5	-
	802.11n (HT40)		54 to 62	54, 62	OFDM	13.5	-
	802.11ac (VHT80)		58	58	OFDM	29.3	-
	802.11a	5500-5720	100 to 144	100, 116, 140, 144	OFDM	6.0	-
	802.11n (HT20)		100 to 144	100, 116, 140, 144	OFDM	6.5	-
	802.11n (HT40)		102 to 142	102, 110, 134, 142	OFDM	13.5	-
	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	29.3	-

Test Condition:

Applicable to	Environmental Conditions	Input Power (system)	Tested by
RE \geq 1G	23 deg. C, 69% RH 23 deg. C, 68% RH 24 deg. C, 68% RH 22 deg. C, 64% RH	120Vac, 60Hz	Willy Cheng Jones Chang
RE<1G	22 deg. C, 64% RH 23 deg. C, 68% RH 23 deg. C, 69% RH	120Vac, 60Hz	Willy Cheng
PLC	25 deg. C, 68% RH	120Vac, 60Hz	Jones Chang
APCM	25 deg. C, 60% RH	120Vac, 60Hz	Han Wu Leo Tsai

3.3 Duty Cycle of Test Signal

Duty cycle of test signal is $\geq 98\%$, duty factor is not required.

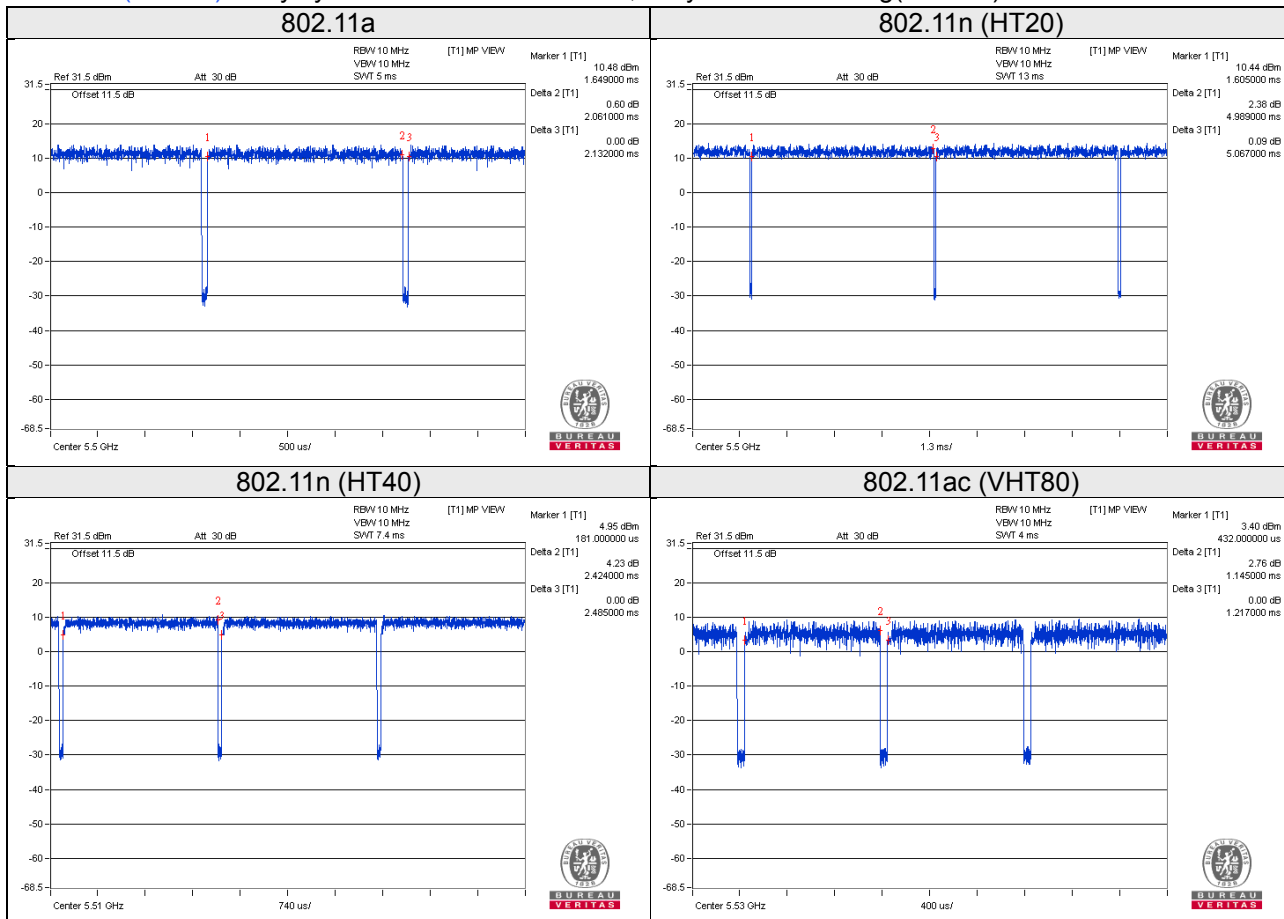
Duty cycle of test signal is $< 98\%$, duty factor is required.

802.11a: Duty cycle = $2.061/2.132 = 0.967$, Duty factor = $10 * \log(1/0.967) = 0.15$

802.11n (HT20): Duty cycle = $4.989/5.067 = 0.985$

802.11n (HT40): Duty cycle = $2.424/2.485 = 0.975$, Duty factor = $10 * \log(1/0.975) = 0.11$

802.11ac (VHT80): Duty cycle = $1.145/1.217 = 0.941$, Duty factor = $10 * \log(1/0.941) = 0.26$



3.4 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

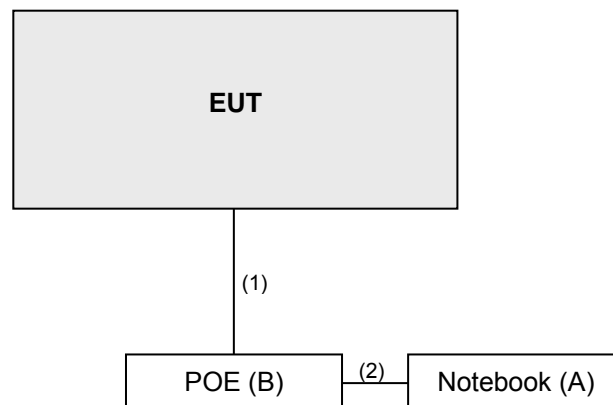
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook	DELL	E5420	BPQ7MQ1	FCC DoC Approved	-
B.	POE	EnGenius	EPA5006GP	NA	NA	Supplied by the manufacturer

Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Item A acted as a communication partner to transfer data.

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	RJ45, Cat5e	1	10	N	0	-
2.	RJ45, Cat5e	1	1.5	N	0	-

3.4.1 Configuration of System under Test



3.5 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart E (15.407)
KDB 789033 D02 General UNII Test Procedure New Rules v01r04
662911 D01 Multiple Transmitter Output v02r01
 ANSI C63.10:2013

All test items have been performed and recorded as per the above standards.

Note: The EUT has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table.

Frequencies (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:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

Limits of unwanted emission out of the restricted bands

Applicable To		Limit	
789033 D02 General UNII Test Procedure New Rules v01r04		Field Strength at 3m	
		PK: 74 (dBuV/m)	AV: 54 (dBuV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	15.407(b)(1)	PK: -27 (dBm/MHz)	PK: 68.2(dBuV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	<input checked="" type="checkbox"/> 15.407(b)(4)(i)	PK: -27 (dBm/MHz) ^{*1} PK: 10 (dBm/MHz) ^{*2} PK: 15.6 (dBm/MHz) ^{*3} PK: 27 (dBm/MHz) ^{*4}	PK: 68.2 (dBuV/m) ^{*1} PK: 105.2 (dBuV/m) ^{*2} PK: 110.8 (dBuV/m) ^{*3} PK: 122.2 (dBuV/m) ^{*4}
	<input type="checkbox"/> 15.407(b)(4)(ii)	Emission limits in section 15.247(d)	
^{*1} beyond 75 MHz or more above of the band edge.		^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.	
^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.		^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.	

Note: The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000 \sqrt{30 P}}{3} \quad \mu\text{V/m, where } P \text{ is the eirp (Watts).}$$

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESIB7	100187	May 02, 2017	May 01, 2018
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100041	Nov. 16, 2016	Nov. 15, 2017
BILOG Antenna SCHWARZBECK	VULB9168	9168-171	Dec. 28, 2016	Dec. 27, 2017
HORN Antenna SCHWARZBECK	9120D	209	Dec. 27, 2016	Dec. 26, 2017
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Dec. 14, 2016	Dec. 13, 2017
Loop Antenna	EM-6879	269	Aug. 11, 2017	Aug. 10, 2018
Preamplifier Agilent	8447D	2944A10738	Aug. 22, 2016	Aug. 21, 2017
			Aug. 21, 2017	Aug. 20, 2018
Preamplifier Agilent	8449B	3008A02465	Apr. 05, 2017	Apr. 04, 2018
RF signal cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH3-03 (223653/4)	Aug. 22, 2016	Aug. 21, 2017
			Aug. 21, 2017	Aug. 20, 2018
RF signal cable HUBER+SUHNER& EMCI	SUCOFLEX 106	Cable-CH3-03 (309224+12738)	Aug. 22, 2016	Aug. 21, 2017
			Aug. 21, 2017	Aug. 20, 2018
Software BV ADT	ADT_Radiated_ V7.6.15.9.4	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller BV ADT	AT100	AT93021702	NA	NA
Turn Table BV ADT	TT100	TT93021702	NA	NA
Turn Table Controller BV ADT	SC100	SC93021702	NA	NA
High Speed Peak Power Meter	ML2495A	1145013	Mar. 07, 2017	Mar. 06, 2018
Power Sensor	MA2411B	1126085	Mar. 07, 2017	Mar. 06, 2018
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	Jun. 08, 2017	Jun. 07, 2018
26GHz ~ 40GHz Amplifier Agilent	8449B	3008A1960	Aug. 08, 2017	Aug. 07, 2018

- Note:
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in HwaYa Chamber 3.
 3. The horn antenna and preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
 4. The FCC Designation Number is TW0003. The number will be varied with the Lab location and scope as attached.
 5. The IC Site Registration No. is IC 7450F-3.

4.1.3 Test Procedures

For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Both X and Y axes of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

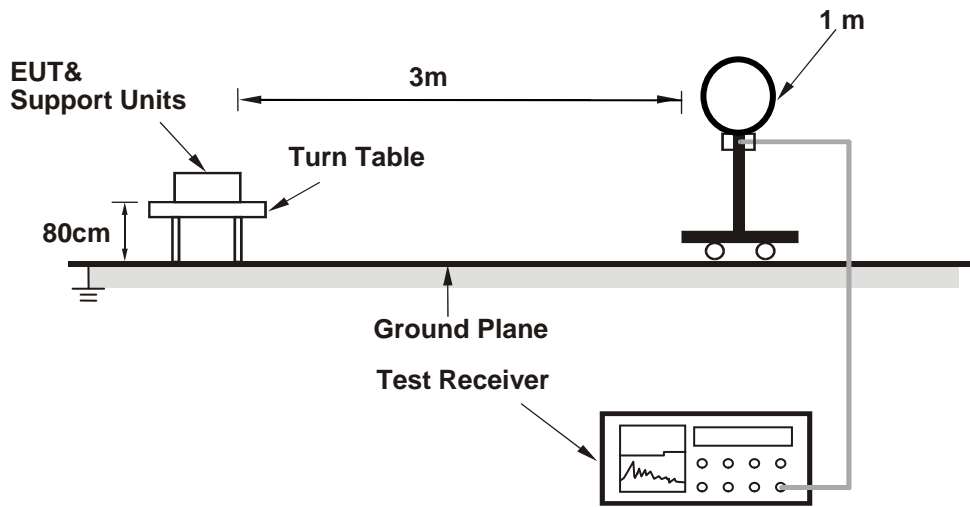
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

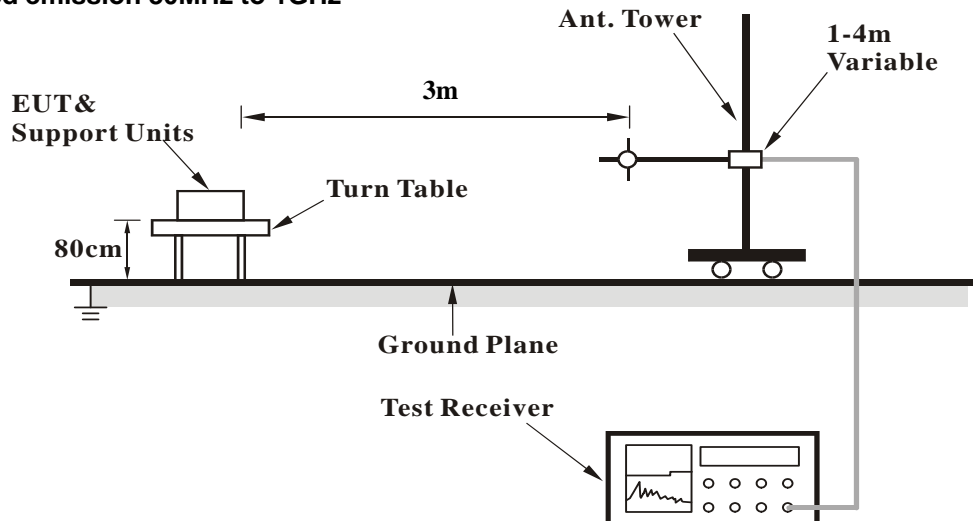
No deviation.

4.1.5 Test Setup

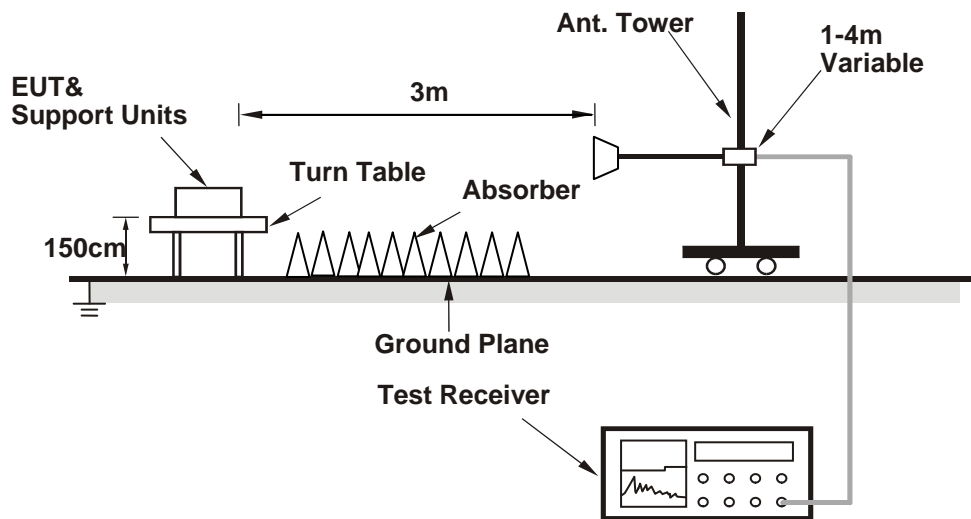
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT Operating Conditions

- Placed the EUT on the testing table.
- Prepared a notebook to act as a communication partner and placed it outside of testing area.
- The communication partner connected with EUT via a RJ45 cable and ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
- The communication partner sent data to EUT by command "PING".

4.1.7 Test Results

Above 1GHz data:

Mode A

802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	55.9 PK	74.0	-18.1	1.78 H	340	55.5	0.4
2	5040.00	45.4 AV	54.0	-8.6	1.78 H	340	45.0	0.4
3	*5260.00	120.8 PK			2.23 H	343	82.0	38.8
4	*5260.00	110.0 AV			2.23 H	343	71.2	38.8
5	5424.00	58.6 PK	74.0	-15.4	1.62 H	343	57.3	1.3
6	5424.00	48.6 AV	54.0	-5.4	1.62 H	343	47.3	1.3
7	#10520.00	58.3 PK	74.0	-15.7	1.80 H	321	44.6	13.7
8	#10520.00	44.9 AV	54.0	-9.1	1.80 H	321	31.2	13.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	56.0 PK	74.0	-18.0	1.82 V	336	55.6	0.4
2	5040.00	42.7 AV	54.0	-11.3	1.82 V	336	42.3	0.4
3	*5260.00	109.8 PK			2.19 V	306	71.0	38.8
4	*5260.00	99.8 AV			2.19 V	306	61.0	38.8
5	5424.00	57.3 PK	74.0	-16.7	1.70 V	330	56.0	1.3
6	5424.00	43.3 AV	54.0	-10.7	1.70 V	330	42.0	1.3
7	#10520.00	60.0 PK	74.0	-14.0	1.90 V	332	46.3	13.7
8	#10520.00	47.8 AV	54.0	-6.2	1.90 V	332	34.1	13.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	55.7 PK	74.0	-18.3	2.05 H	175	54.3	1.4
2	5040.00	44.6 AV	54.0	-9.4	2.05 H	175	43.2	1.4
3	*5300.00	121.6 PK			2.54 H	171	81.8	39.8
4	*5300.00	110.6 AV			2.54 H	171	70.8	39.8
5	5424.00	59.0 PK	74.0	-15.0	1.92 H	340	57.0	2.0
6	5424.00	50.0 AV	54.0	-4.0	1.92 H	340	48.0	2.0
7	10600.00	58.3 PK	74.0	-15.7	1.48 H	208	44.1	14.2
8	10600.00	44.9 AV	54.0	-9.1	1.48 H	208	30.7	14.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	54.9 PK	74.0	-19.1	1.99 V	188	54.5	0.4
2	5040.00	42.4 AV	54.0	-11.6	1.99 V	188	42.0	0.4
3	*5300.00	110.0 PK			2.15 V	303	71.1	38.9
4	*5300.00	98.9 AV			2.15 V	303	60.0	38.9
5	5424.00	57.7 PK	74.0	-16.3	1.77 V	346	56.4	1.3
6	5424.00	44.1 AV	54.0	-9.9	1.77 V	346	42.8	1.3
7	10600.00	60.3 PK	74.0	-13.7	1.80 V	265	46.5	13.8
8	10600.00	47.0 AV	54.0	-7.0	1.80 V	265	33.2	13.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	55.6 PK	74.0	-18.4	2.01 H	176	55.2	0.4
2	5040.00	44.3 AV	54.0	-9.7	2.01 H	176	43.9	0.4
3	*5320.00	120.4 PK			2.39 H	174	81.4	39.0
4	*5320.00	109.8 AV			2.39 H	174	70.8	39.0
5	5350.00	67.2 PK	74.0	-6.8	2.10 H	345	66.1	1.1
6	5350.00	52.5 AV	54.0	-1.5	2.10 H	345	51.4	1.1
7	10640.00	58.6 PK	74.0	-15.4	1.92 H	302	44.7	13.9
8	10640.00	45.0 AV	54.0	-9.0	1.92 H	302	31.1	13.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	57.2 PK	74.0	-16.8	1.87 V	189	56.8	0.4
2	5040.00	43.4 AV	54.0	-10.6	1.87 V	189	43.0	0.4
3	*5320.00	108.5 PK			2.12 V	303	69.5	39.0
4	*5320.00	97.9 AV			2.12 V	303	58.9	39.0
5	5350.00	58.4 PK	74.0	-15.6	1.87 V	311	57.3	1.1
6	5350.00	46.0 AV	54.0	-8.0	1.87 V	311	44.9	1.1
7	10640.00	61.5 PK	74.0	-12.5	1.89 V	332	47.6	13.9
8	10640.00	47.3 AV	54.0	-6.7	1.89 V	332	33.4	13.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	62.0 PK	74.0	-12.0	2.10 H	245	60.7	1.3
2	5424.00	50.8 AV	54.0	-3.2	2.10 H	245	49.5	1.3
3	#5470.00	66.9 PK	74.0	-7.1	3.12 H	177	65.7	1.2
4	#5470.00	52.6 AV	54.0	-1.4	3.12 H	177	51.4	1.2
5	*5500.00	119.7 PK			2.50 H	175	80.4	39.3
6	*5500.00	109.3 AV			2.50 H	175	70.0	39.3
7	11000.00	59.2 PK	74.0	-14.8	1.54 H	196	43.9	15.3
8	11000.00	46.0 AV	54.0	-8.0	1.54 H	196	30.7	15.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	56.2 PK	74.0	-17.8	2.99 V	162	54.9	1.3
2	5424.00	43.4 AV	54.0	-10.6	2.99 V	162	42.1	1.3
3	#5470.00	57.1 PK	74.0	-16.9	3.03 V	194	55.9	1.2
4	#5470.00	44.6 AV	54.0	-9.4	3.03 V	194	43.4	1.2
5	*5500.00	108.0 PK			3.47 V	221	68.7	39.3
6	*5500.00	97.7 AV			3.47 V	221	58.4	39.3
7	11000.00	59.0 PK	74.0	-15.0	3.32 V	189	43.7	15.3
8	11000.00	45.5 AV	54.0	-8.5	3.32 V	189	30.2	15.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	59.9 PK	74.0	-14.1	2.45 H	176	58.6	1.3
2	5424.00	49.2 AV	54.0	-4.8	2.45 H	176	47.9	1.3
3	#5470.00	57.4 PK	74.0	-16.6	2.33 H	180	56.2	1.2
4	#5470.00	46.4 AV	54.0	-7.6	2.33 H	180	45.2	1.2
5	*5580.00	121.5 PK			1.18 H	172	82.0	39.5
6	*5580.00	111.5 AV			1.18 H	172	72.0	39.5
7	11160.00	61.0 PK	74.0	-13.0	1.54 H	243	46.1	14.9
8	11160.00	48.0 AV	54.0	-6.0	1.54 H	243	33.1	14.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	55.9 PK	74.0	-18.1	2.77 V	354	54.6	1.3
2	5424.00	43.4 AV	54.0	-10.6	2.77 V	354	42.1	1.3
3	#5470.00	58.5 PK	74.0	-15.5	1.25 V	308	57.3	1.2
4	#5470.00	43.9 AV	54.0	-10.1	1.25 V	308	42.7	1.2
5	*5580.00	109.6 PK			1.00 V	341	70.1	39.5
6	*5580.00	99.8 AV			1.00 V	341	60.3	39.5
7	11160.00	60.7 PK	74.0	-13.3	1.99 V	314	45.8	14.9
8	11160.00	47.1 AV	54.0	-6.9	1.99 V	314	32.2	14.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	117.5 PK			2.66 H	175	77.7	39.8
2	*5700.00	107.0 AV			2.66 H	175	67.2	39.8
3	#5725.00	66.5 PK	74.0	-7.5	3.01 H	346	64.5	2.0
4	#5725.00	52.5 AV	54.0	-1.5	3.01 H	346	50.5	2.0
5	11400.00	61.3 PK	74.0	-12.7	2.33 H	202	46.8	14.5
6	11400.00	47.6 AV	54.0	-6.4	2.33 H	202	33.1	14.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.2 PK			1.00 V	341	66.4	39.8
2	*5700.00	95.9 AV			1.00 V	341	56.1	39.8
3	#5725.00	57.7 PK	74.0	-16.3	2.21 V	316	55.7	2.0
4	#5725.00	44.7 AV	54.0	-9.3	2.21 V	316	42.7	2.0
5	11400.00	59.9 PK	74.0	-14.1	1.55 V	283	45.4	14.5
6	11400.00	45.6 AV	54.0	-8.4	1.55 V	283	31.1	14.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.5 PK	74.0	-16.5	1.55 H	335	53.5	4.0
2	#5470.00	44.1 AV	54.0	-9.9	1.55 H	335	40.1	4.0
3	*5720.00	109.5 PK			1.62 H	357	69.1	40.4
4	*5720.00	98.9 AV			1.62 H	357	58.5	40.4
5	#5825.00	57.3 PK	74.0	-16.7	1.88 H	357	52.6	4.7
6	#5825.00	44.4 AV	54.0	-9.6	1.88 H	357	39.7	4.7
7	11440.00	64.2 PK	74.0	-9.8	1.60 H	284	45.9	18.3
8	11440.00	51.5 AV	54.0	-2.5	1.60 H	284	33.2	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	61.7 PK	74.0	-12.3	1.71 V	344	57.7	4.0
2	#5470.00	45.9 AV	54.0	-8.1	1.71 V	344	41.9	4.0
3	*5720.00	123.9 PK			1.57 V	334	83.5	40.4
4	*5720.00	113.5 AV			1.57 V	334	73.1	40.4
5	#5825.00	61.8 PK	74.0	-12.2	1.62 V	306	57.1	4.7
6	#5825.00	48.4 AV	54.0	-5.6	1.62 V	306	43.7	4.7
7	11440.00	61.2 PK	74.0	-12.8	1.78 V	312	42.9	18.3
8	11440.00	47.9 AV	54.0	-6.1	1.78 V	312	29.6	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (HT20)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	56.0 PK	74.0	-18.0	2.08 H	175	55.6	0.4
2	5040.00	45.9 AV	54.0	-8.1	2.08 H	175	45.5	0.4
3	*5260.00	119.0 PK			2.09 H	344	80.2	38.8
4	*5260.00	108.5 AV			2.09 H	344	69.7	38.8
5	5424.00	58.2 PK	74.0	-15.8	2.15 H	173	56.9	1.3
6	5424.00	48.0 AV	54.0	-6.0	2.15 H	173	46.7	1.3
7	#10520.00	55.4 PK	74.0	-18.6	1.91 H	302	41.7	13.7
8	#10520.00	44.3 AV	54.0	-9.7	1.91 H	302	30.6	13.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	55.4 PK	74.0	-18.6	1.98 V	360	55.0	0.4
2	5040.00	42.7 AV	54.0	-11.3	1.98 V	360	42.3	0.4
3	*5260.00	110.7 PK			2.17 V	307	71.9	38.8
4	*5260.00	99.4 AV			2.17 V	307	60.6	38.8
5	5424.00	57.0 PK	74.0	-17.0	2.20 V	183	55.7	1.3
6	5424.00	44.2 AV	54.0	-9.8	2.20 V	183	42.9	1.3
7	#10520.00	60.5 PK	74.0	-13.5	1.96 V	313	46.8	13.7
8	#10520.00	46.9 AV	54.0	-7.1	1.96 V	313	33.2	13.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	53.8 PK	74.0	-20.2	1.87 H	340	53.4	0.4
2	5040.00	42.7 AV	54.0	-11.3	1.87 H	340	42.3	0.4
3	*5300.00	119.5 PK			1.98 H	344	80.6	38.9
4	*5300.00	109.0 AV			1.98 H	344	70.1	38.9
5	5424.00	58.2 PK	74.0	-15.8	2.17 H	172	56.9	1.3
6	5424.00	48.6 AV	54.0	-5.4	2.17 H	172	47.3	1.3
7	10600.00	58.5 PK	74.0	-15.5	1.50 H	199	44.7	13.8
8	10600.00	44.3 AV	54.0	-9.7	1.50 H	199	30.5	13.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	53.0 PK	74.0	-21.0	1.90 V	335	52.6	0.4
2	5040.00	42.5 AV	54.0	-11.5	1.90 V	335	42.1	0.4
3	*5300.00	110.3 PK			2.15 V	304	71.4	38.9
4	*5300.00	99.1 AV			2.15 V	304	60.2	38.9
5	5424.00	54.7 PK	74.0	-19.3	2.03 V	188	53.4	1.3
6	5424.00	44.2 AV	54.0	-9.8	2.03 V	188	42.9	1.3
7	10600.00	60.5 PK	74.0	-13.5	1.66 V	213	46.7	13.8
8	10600.00	47.2 AV	54.0	-6.8	1.66 V	213	33.4	13.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	54.5 PK	74.0	-19.5	1.89 H	175	54.1	0.4
2	5040.00	43.2 AV	54.0	-10.8	1.89 H	175	42.8	0.4
3	*5320.00	118.7 PK			2.38 H	174	79.7	39.0
4	*5320.00	108.2 AV			2.38 H	174	69.2	39.0
5	5350.00	67.4 PK	74.0	-6.6	2.16 H	345	66.3	1.1
6	5350.00	52.4 AV	54.0	-1.6	2.16 H	345	51.3	1.1
7	10640.00	58.0 PK	74.0	-16.0	1.76 H	296	44.1	13.9
8	10640.00	44.8 AV	54.0	-9.2	1.76 H	296	30.9	13.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	53.8 PK	74.0	-20.2	1.78 V	199	53.4	0.4
2	5040.00	42.9 AV	54.0	-11.1	1.78 V	199	42.5	0.4
3	*5320.00	106.5 PK			1.33 V	215	67.5	39.0
4	*5320.00	95.4 AV			1.33 V	215	56.4	39.0
5	5350.00	54.4 PK	74.0	-19.6	1.88 V	333	53.3	1.1
6	5350.00	44.4 AV	54.0	-9.6	1.88 V	333	43.3	1.1
7	10640.00	60.6 PK	74.0	-13.4	1.83 V	303	46.7	13.9
8	10640.00	47.1 AV	54.0	-6.9	1.83 V	303	33.2	13.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	61.0 PK	74.0	-13.0	2.36 H	346	59.7	1.3
2	5424.00	50.0 AV	54.0	-4.0	2.36 H	346	48.7	1.3
3	#5470.00	68.3 PK	74.0	-5.7	2.36 H	346	67.1	1.2
4	#5470.00	52.7 AV	54.0	-1.3	2.36 H	346	51.5	1.2
5	*5500.00	120.7 PK			2.60 H	174	81.4	39.3
6	*5500.00	110.4 AV			2.60 H	174	71.1	39.3
7	11000.00	60.9 PK	74.0	-13.1	1.99 H	158	45.6	15.3
8	11000.00	47.5 AV	54.0	-6.5	1.99 H	158	32.2	15.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	57.7 PK	74.0	-16.3	3.36 V	214	56.4	1.3
2	5424.00	43.9 AV	54.0	-10.1	3.36 V	214	42.6	1.3
3	#5470.00	57.8 PK	74.0	-16.2	3.03 V	148	56.6	1.2
4	#5470.00	44.5 AV	54.0	-9.5	3.03 V	148	43.3	1.2
5	*5500.00	109.5 PK			3.46 V	220	70.2	39.3
6	*5500.00	99.3 AV			3.46 V	220	60.0	39.3
7	11000.00	58.7 PK	74.0	-15.3	3.28 V	201	43.4	15.3
8	11000.00	45.7 AV	54.0	-8.3	3.28 V	201	30.4	15.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	121.8 PK			2.63 H	176	82.3	39.5
2	*5580.00	111.3 AV			2.63 H	176	71.8	39.5
3	11160.00	60.8 PK	74.0	-13.2	1.75 H	259	45.9	14.9
4	11160.00	48.0 AV	54.0	-6.0	1.75 H	259	33.1	14.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	109.7 PK			1.04 V	339	70.2	39.5
2	*5580.00	99.1 AV			1.04 V	339	59.6	39.5
3	11160.00	60.5 PK	74.0	-13.5	1.44 V	308	45.6	14.9
4	11160.00	47.2 AV	54.0	-6.8	1.44 V	308	32.3	14.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	116.7 PK			1.13 H	344	76.9	39.8
2	*5700.00	106.3 AV			1.13 H	344	66.5	39.8
3	#5725.00	66.8 PK	74.0	-7.2	2.47 H	347	64.8	2.0
4	#5725.00	52.4 AV	54.0	-1.6	2.47 H	347	50.4	2.0
5	11400.00	60.9 PK	74.0	-13.1	2.01 H	156	46.4	14.5
6	11400.00	47.7 AV	54.0	-6.3	2.01 H	156	33.2	14.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.1 PK			1.00 V	341	66.3	39.8
2	*5700.00	95.8 AV			1.00 V	341	56.0	39.8
3	#5725.00	57.8 PK	74.0	-16.2	1.55 V	268	55.8	2.0
4	#5725.00	45.5 AV	54.0	-8.5	1.55 V	268	43.5	2.0
5	11400.00	60.7 PK	74.0	-13.3	1.28 V	304	46.2	14.5
6	11400.00	46.6 AV	54.0	-7.4	1.28 V	304	32.1	14.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	58.3 PK	74.0	-15.7	1.77 H	349	54.3	4.0
2	#5470.00	44.1 AV	54.0	-9.9	1.77 H	349	40.1	4.0
3	*5720.00	109.6 PK			1.62 H	351	69.2	40.4
4	*5720.00	99.0 AV			1.62 H	351	58.6	40.4
5	#5825.00	48.4 PK	74.0	-25.6	1.82 H	333	43.7	4.7
6	#5825.00	44.6 AV	54.0	-9.4	1.82 H	333	39.9	4.7
7	11440.00	65.1 PK	74.0	-8.9	2.06 H	278	46.8	18.3
8	11440.00	51.1 AV	54.0	-2.9	2.06 H	278	32.8	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	59.8 PK	74.0	-14.2	1.66 V	301	55.8	4.0
2	#5470.00	46.2 AV	54.0	-7.8	1.66 V	301	42.2	4.0
3	*5720.00	123.8 PK			1.61 V	332	83.4	40.4
4	*5720.00	113.4 AV			1.61 V	332	73.0	40.4
5	#5825.00	62.1 PK	74.0	-11.9	1.50 V	332	57.4	4.7
6	#5825.00	48.8 AV	54.0	-5.2	1.50 V	332	44.1	4.7
7	11440.00	61.4 PK	74.0	-12.6	1.65 V	322	43.1	18.3
8	11440.00	48.2 AV	54.0	-5.8	1.65 V	322	29.9	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (HT40)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	55.1 PK	74.0	-18.9	2.23 H	171	54.7	0.4
2	5040.00	44.5 AV	54.0	-9.5	2.23 H	171	44.1	0.4
3	*5270.00	116.5 PK			2.12 H	343	77.6	38.9
4	*5270.00	106.8 AV			2.12 H	343	67.9	38.9
5	5424.00	57.4 PK	74.0	-16.6	2.07 H	170	56.1	1.3
6	5424.00	47.8 AV	54.0	-6.2	2.07 H	170	46.5	1.3
7	#10540.00	58.1 PK	74.0	-15.9	1.68 H	236	44.4	13.7
8	#10540.00	44.4 AV	54.0	-9.6	1.68 H	236	30.7	13.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	54.3 PK	74.0	-19.7	1.93 V	187	53.9	0.4
2	5040.00	42.2 AV	54.0	-11.8	1.93 V	187	41.8	0.4
3	*5270.00	103.6 PK			1.26 V	214	64.7	38.9
4	*5270.00	94.5 AV			1.26 V	214	55.6	38.9
5	5424.00	55.1 PK	74.0	-18.9	1.98 V	166	53.8	1.3
6	5424.00	44.0 AV	54.0	-10.0	1.98 V	166	42.7	1.3
7	#10540.00	60.2 PK	74.0	-13.8	1.93 V	203	46.5	13.7
8	#10540.00	47.1 AV	54.0	-6.9	1.93 V	203	33.4	13.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	54.6 PK	74.0	-19.4	2.02 H	160	54.2	0.4
2	5040.00	43.5 AV	54.0	-10.5	2.02 H	160	43.1	0.4
3	*5310.00	113.2 PK			2.39 H	346	74.3	38.9
4	*5310.00	103.9 AV			2.39 H	346	65.0	38.9
5	5350.00	65.7 PK	74.0	-8.3	3.23 H	175	64.6	1.1
6	5350.00	52.6 AV	54.0	-1.4	3.23 H	175	51.5	1.1
7	10620.00	57.0 PK	74.0	-17.0	1.51 H	203	43.2	13.8
8	10620.00	43.5 AV	54.0	-10.5	1.51 H	203	29.7	13.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	53.7 PK	74.0	-20.3	1.78 V	169	53.3	0.4
2	5040.00	43.3 AV	54.0	-10.7	1.78 V	169	42.9	0.4
3	*5310.00	99.2 PK			1.15 V	214	60.3	38.9
4	*5310.00	90.0 AV			1.15 V	214	51.1	38.9
5	5350.00	56.9 PK	74.0	-17.1	3.01 V	188	55.8	1.1
6	5350.00	44.6 AV	54.0	-9.4	3.01 V	188	43.5	1.1
7	10620.00	60.4 PK	74.0	-13.6	1.79 V	186	46.6	13.8
8	10620.00	47.4 AV	54.0	-6.6	1.79 V	186	33.6	13.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	60.9 PK	74.0	-13.1	1.33 H	322	59.6	1.3
2	5424.00	49.8 AV	54.0	-4.2	1.33 H	322	48.5	1.3
3	#5470.00	65.8 PK	74.0	-8.2	1.21 H	343	64.6	1.2
4	#5470.00	52.9 AV	54.0	-1.1	1.21 H	343	51.7	1.2
5	*5510.00	113.8 PK			2.32 H	342	74.5	39.3
6	*5510.00	104.5 AV			2.32 H	342	65.2	39.3
7	11020.00	61.3 PK	74.0	-12.7	1.55 H	196	46.1	15.2
8	11020.00	47.9 AV	54.0	-6.1	1.55 H	196	32.7	15.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	56.2 PK	74.0	-17.8	2.47 V	266	54.9	1.3
2	5424.00	43.9 AV	54.0	-10.1	2.47 V	266	42.6	1.3
3	#5470.00	57.4 PK	74.0	-16.6	1.93 V	316	56.2	1.2
4	#5470.00	45.8 AV	54.0	-8.2	1.93 V	316	44.6	1.2
5	*5510.00	102.8 PK			2.18 V	301	63.5	39.3
6	*5510.00	93.3 AV			2.18 V	301	54.0	39.3
7	11020.00	59.6 PK	74.0	-14.4	1.95 V	284	44.4	15.2
8	11020.00	46.5 AV	54.0	-7.5	1.95 V	284	31.3	15.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	117.9 PK			2.45 H	178	78.6	39.3
2	*5550.00	108.8 AV			2.45 H	178	69.5	39.3
3	11100.00	60.4 PK	74.0	-13.6	1.94 H	312	45.6	14.8
4	11100.00	47.7 AV	54.0	-6.3	1.94 H	312	32.9	14.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	106.0 PK			1.22 V	338	66.7	39.3
2	*5550.00	96.4 AV			1.22 V	338	57.1	39.3
3	11100.00	60.4 PK	74.0	-13.6	1.21 V	328	45.6	14.8
4	11100.00	47.1 AV	54.0	-6.9	1.21 V	328	32.3	14.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	115.5 PK			1.12 H	345	75.8	39.7
2	*5670.00	106.0 AV			1.12 H	345	66.3	39.7
3	#5725.00	64.1 PK	74.0	-9.9	2.31 H	177	62.1	2.0
4	#5725.00	52.3 AV	54.0	-1.7	2.31 H	177	50.3	2.0
5	11340.00	61.3 PK	74.0	-12.7	1.76 H	155	46.6	14.7
6	11340.00	47.9 AV	54.0	-6.1	1.76 H	155	33.2	14.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	105.1 PK			1.00 V	341	65.4	39.7
2	*5670.00	95.5 AV			1.00 V	341	55.8	39.7
3	#5725.00	55.7 PK	74.0	-18.3	1.33 V	284	53.7	2.0
4	#5725.00	44.5 AV	54.0	-9.5	1.33 V	284	42.5	2.0
5	11340.00	59.8 PK	74.0	-14.2	1.51 V	308	45.1	14.7
6	11340.00	46.8 AV	54.0	-7.2	1.51 V	308	32.1	14.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.8 PK	74.0	-16.2	1.66 H	249	53.8	4.0
2	#5470.00	44.1 AV	54.0	-9.9	1.66 H	249	40.1	4.0
3	*5710.00	106.2 PK			1.64 H	357	65.8	40.4
4	*5710.00	96.4 AV			1.64 H	357	56.0	40.4
5	#5825.00	57.9 PK	74.0	-16.1	1.47 H	306	53.2	4.7
6	#5825.00	44.4 AV	54.0	-9.6	1.47 H	306	39.7	4.7
7	11420.00	63.1 PK	74.0	-10.9	1.59 H	283	44.9	18.2
8	11420.00	50.4 AV	54.0	-3.6	1.59 H	283	32.2	18.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	59.5 PK	74.0	-14.5	1.78 V	338	55.5	4.0
2	#5470.00	45.6 AV	54.0	-8.4	1.78 V	338	41.6	4.0
3	*5710.00	120.8 PK			1.52 V	331	80.4	40.4
4	*5710.00	111.2 AV			1.52 V	331	70.8	40.4
5	#5825.00	61.8 PK	74.0	-12.2	1.78 V	127	57.1	4.7
6	#5825.00	48.3 AV	54.0	-5.7	1.78 V	127	43.6	4.7
7	11420.00	62.1 PK	74.0	-11.9	1.48 V	150	43.9	18.2
8	11420.00	48.6 AV	54.0	-5.4	1.48 V	150	30.4	18.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT80)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	56.5 PK	74.0	-17.5	2.13 H	129	56.1	0.4
2	5040.00	44.1 AV	54.0	-9.9	2.13 H	129	43.7	0.4
3	*5290.00	107.7 PK			2.32 H	174	68.8	38.9
4	*5290.00	98.1 AV			2.32 H	174	59.2	38.9
5	5360.00	64.4 PK	74.0	-9.6	2.33 H	347	63.3	1.1
6	5360.00	52.8 AV	54.0	-1.2	2.33 H	347	51.7	1.1
7	#10580.00	60.2 PK	74.0	-13.8	1.93 H	154	46.4	13.8
8	#10580.00	46.5 AV	54.0	-7.5	1.93 H	154	32.7	13.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	53.7 PK	74.0	-20.3	1.93 V	155	53.3	0.4
2	5040.00	42.9 AV	54.0	-11.1	1.93 V	155	42.5	0.4
3	*5290.00	96.3 PK			2.26 V	301	57.4	38.9
4	*5290.00	86.4 AV			2.26 V	301	47.5	38.9
5	5360.00	57.2 PK	74.0	-16.8	2.11 V	321	56.1	1.1
6	5360.00	44.8 AV	54.0	-9.2	2.11 V	321	43.7	1.1
7	#10580.00	60.5 PK	74.0	-13.5	1.78 V	153	46.7	13.8
8	#10580.00	47.3 AV	54.0	-6.7	1.78 V	153	33.5	13.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.8 PK	74.0	-12.2	1.15 H	176	60.6	1.2
2	5460.00	49.0 AV	54.0	-5.0	1.15 H	176	47.8	1.2
3	#5470.00	66.1 PK	74.0	-7.9	1.15 H	176	64.9	1.2
4	#5470.00	52.5 AV	54.0	-1.5	1.15 H	175	51.3	1.2
5	*5530.00	109.6 PK			1.08 H	346	70.3	39.3
6	*5530.00	99.5 AV			1.08 H	346	60.2	39.3
7	#5725.00	66.3 PK	74.0	-7.7	1.22 H	193	64.3	2.0
8	#5725.00	50.6 AV	54.0	-3.4	1.22 H	193	48.6	2.0
9	11060.00	60.5 PK	74.0	-13.5	1.51 H	287	45.6	14.9
10	11060.00	47.5 AV	54.0	-6.5	1.51 H	287	32.6	14.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.2 PK	74.0	-16.8	3.34 V	287	56.0	1.2
2	5460.00	45.0 AV	54.0	-9.0	3.34 V	287	43.8	1.2
3	#5470.00	59.5 PK	74.0	-14.5	3.71 V	219	58.3	1.2
4	#5470.00	46.5 AV	54.0	-7.5	3.71 V	219	45.3	1.2
5	*5530.00	99.0 PK			4.00 V	233	59.7	39.3
6	*5530.00	89.3 AV			4.00 V	233	50.0	39.3
7	#5725.00	58.0 PK	74.0	-16.0	3.03 V	264	56.0	2.0
8	#5725.00	43.8 AV	54.0	-10.2	3.03 V	264	41.8	2.0
9	11060.00	59.8 PK	74.0	-14.2	3.31 V	268	44.9	14.9
10	11060.00	47.0 AV	54.0	-7.0	3.31 V	268	32.1	14.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	55.4 PK	74.0	-18.6	1.66 H	303	51.4	4.0
2	5460.00	44.2 AV	54.0	-9.8	1.66 H	303	40.2	4.0
3	#5470.00	57.8 PK	74.0	-16.2	1.72 H	222	53.8	4.0
4	#5470.00	44.5 AV	54.0	-9.5	1.72 H	222	40.5	4.0
5	*5610.00	100.0 PK			1.60 H	237	59.8	40.2
6	*5610.00	90.9 AV			1.60 H	237	50.7	40.2
7	#5725.00	58.2 PK	74.0	-15.8	1.54 H	321	53.7	4.5
8	#5725.00	44.4 AV	54.0	-9.6	1.54 H	321	39.9	4.5
9	11220.00	61.6 PK	74.0	-12.4	1.77 H	249	42.7	18.9
10	11220.00	48.3 AV	54.0	-5.7	1.77 H	249	29.4	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.7 PK	74.0	-12.3	1.72 V	333	57.7	4.0
2	5460.00	49.1 AV	54.0	-4.9	1.72 V	333	45.1	4.0
3	#5470.00	62.9 PK	74.0	-11.1	1.51 V	315	58.9	4.0
4	#5470.00	49.6 AV	54.0	-4.4	1.51 V	315	45.6	4.0
5	*5610.00	115.6 PK			1.60 V	331	75.4	40.2
6	*5610.00	105.3 AV			1.60 V	331	65.1	40.2
7	#5725.00	64.7 PK	74.0	-9.3	1.50 V	330	60.2	4.5
8	#5725.00	52.4 AV	54.0	-1.6	1.50 V	330	47.9	4.5
9	11220.00	61.8 PK	74.0	-12.2	1.72 V	244	42.9	18.9
10	11220.00	48.4 AV	54.0	-5.6	1.72 V	244	29.5	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.6 PK	74.0	-16.4	1.73 H	325	53.6	4.0
2	#5470.00	44.0 AV	54.0	-10.0	1.73 H	325	40.0	4.0
3	*5690.00	102.6 PK			1.64 H	359	62.3	40.3
4	*5690.00	93.1 AV			1.64 H	359	52.8	40.3
5	#5825.00	58.3 PK	74.0	-15.7	1.55 H	333	53.6	4.7
6	#5825.00	45.4 AV	54.0	-8.6	1.55 H	333	40.7	4.7
7	11380.00	60.8 PK	74.0	-13.2	1.72 H	341	42.5	18.3
8	11380.00	48.5 AV	54.0	-5.5	1.72 H	341	30.2	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	60.5 PK	74.0	-13.5	1.50 V	331	56.5	4.0
2	#5470.00	46.9 AV	54.0	-7.1	1.50 V	331	42.9	4.0
3	*5690.00	117.0 PK			1.71 V	148	76.7	40.3
4	*5690.00	107.4 AV			1.71 V	148	67.1	40.3
5	#5825.00	66.3 PK	74.0	-7.7	1.50 V	42	61.6	4.7
6	#5825.00	52.2 AV	54.0	-1.8	1.50 V	42	47.5	4.7
7	11380.00	62.2 PK	74.0	-11.8	1.77 V	360	43.9	18.3
8	11380.00	48.5 AV	54.0	-5.5	1.77 V	360	30.2	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Mode B

802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	54.7 PK	74.0	-19.3	1.51 H	333	53.9	0.8
2	5150.00	41.2 AV	54.0	-12.8	1.51 H	333	40.4	0.8
3	*5260.00	104.8 PK			1.53 H	291	66.0	38.8
4	*5260.00	95.4 AV			1.53 H	291	56.6	38.8
5	#10520.00	57.7 PK	74.0	-16.3	1.66 H	303	44.0	13.7
6	#10520.00	44.1 AV	54.0	-9.9	1.66 H	303	30.4	13.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.4 PK	74.0	-17.6	1.25 V	351	55.6	0.8
2	5150.00	45.0 AV	54.0	-9.0	1.25 V	351	44.2	0.8
3	*5260.00	122.7 PK			1.43 V	354	83.9	38.8
4	*5260.00	112.0 AV			1.43 V	354	73.2	38.8
5	#10520.00	58.3 PK	74.0	-15.7	1.74 V	246	44.6	13.7
6	#10520.00	45.7 AV	54.0	-8.3	1.74 V	246	32.0	13.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	106.4 PK			1.80 H	10	67.5	38.9
2	*5300.00	96.2 AV			1.80 H	10	57.3	38.9
3	10600.00	57.3 PK	74.0	-16.7	1.61 H	295	43.5	13.8
4	10600.00	44.4 AV	54.0	-9.6	1.61 H	295	30.6	13.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	122.3 PK			1.30 V	12	83.4	38.9
2	*5300.00	111.5 AV			1.30 V	12	72.6	38.9
3	10600.00	59.7 PK	74.0	-14.3	1.68 V	235	45.9	13.8
4	10600.00	46.3 AV	54.0	-7.7	1.68 V	235	32.5	13.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	104.7 PK			1.74 H	10	65.7	39.0
2	*5320.00	94.4 AV			1.74 H	10	55.4	39.0
3	5350.00	54.9 PK	74.0	-19.1	1.66 H	22	53.8	1.1
4	5350.00	41.9 AV	54.0	-12.1	1.66 H	22	40.8	1.1
5	10640.00	57.5 PK	74.0	-16.5	1.62 H	96	43.6	13.9
6	10640.00	44.8 AV	54.0	-9.2	1.62 H	96	30.9	13.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	119.2 PK			1.38 V	12	80.2	39.0
2	*5320.00	108.6 AV			1.38 V	12	69.6	39.0
3	5350.00	67.1 PK	74.0	-6.9	1.40 V	11	66.0	1.1
4	5350.00	52.5 AV	54.0	-1.5	1.40 V	11	51.4	1.1
5	10640.00	58.5 PK	74.0	-15.5	1.33 V	48	44.6	13.9
6	10640.00	44.9 AV	54.0	-9.1	1.33 V	48	31.0	13.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	54.7 PK	74.0	-19.3	2.42 H	315	52.7	2.0
2	5460.00	41.7 AV	54.0	-12.3	2.42 H	315	39.7	2.0
3	#5470.00	56.2 PK	74.0	-17.8	1.55 H	325	54.2	2.0
4	#5470.00	43.3 AV	54.0	-10.7	1.55 H	325	41.3	2.0
5	*5500.00	107.1 PK			1.39 H	330	67.1	40.0
6	*5500.00	96.8 AV			1.39 H	330	56.8	40.0
7	11000.00	60.6 PK	74.0	-13.4	1.63 H	122	44.7	15.9
8	11000.00	47.2 AV	54.0	-6.8	1.63 H	122	31.3	15.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.4 PK	74.0	-8.6	1.73 V	314	63.4	2.0
2	5460.00	48.4 AV	54.0	-5.6	1.73 V	314	46.4	2.0
3	#5470.00	67.6 PK	74.0	-6.4	1.51 V	357	65.6	2.0
4	#5470.00	52.8 AV	54.0	-1.2	1.51 V	357	50.8	2.0
5	*5500.00	120.5 PK			1.54 V	355	80.5	40.0
6	*5500.00	109.8 AV			1.54 V	355	69.8	40.0
7	11000.00	58.8 PK	74.0	-15.2	1.83 V	223	42.9	15.9
8	11000.00	46.4 AV	54.0	-7.6	1.83 V	223	30.5	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	108.3 PK			1.33 H	330	68.1	40.2
2	*5580.00	99.0 AV			1.33 H	330	58.8	40.2
3	11160.00	60.4 PK	74.0	-13.6	2.03 H	222	45.1	15.3
4	11160.00	46.4 AV	54.0	-7.6	2.03 H	222	31.1	15.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	122.3 PK			1.50 V	353	82.1	40.2
2	*5580.00	111.6 AV			1.50 V	353	71.4	40.2
3	11160.00	63.5 PK	74.0	-10.5	2.70 V	256	48.2	15.3
4	11160.00	50.0 AV	54.0	-4.0	2.70 V	256	34.7	15.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	104.5 PK			1.32 H	334	63.9	40.6
2	*5700.00	94.0 AV			1.32 H	334	53.4	40.6
3	#5725.00	56.6 PK	74.0	-17.4	1.66 H	41	53.8	2.8
4	#5725.00	43.9 AV	54.0	-10.1	1.66 H	41	41.1	2.8
5	11400.00	60.7 PK	74.0	-13.3	1.52 H	211	45.8	14.9
6	11400.00	47.4 AV	54.0	-6.6	1.52 H	211	32.5	14.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	116.2 PK			1.67 V	351	75.6	40.6
2	*5700.00	106.2 AV			1.67 V	351	65.6	40.6
3	#5725.00	66.6 PK	74.0	-7.4	1.50 V	33	63.8	2.8
4	#5725.00	52.5 AV	54.0	-1.5	1.50 V	33	49.7	2.8
5	11400.00	60.4 PK	74.0	-13.6	1.63 V	197	45.5	14.9
6	11400.00	48.2 AV	54.0	-5.8	1.63 V	197	33.3	14.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	54.8 PK	74.0	-19.2	2.09 H	351	50.8	4.0
2	#5470.00	42.0 AV	54.0	-12.0	2.09 H	351	38.0	4.0
3	*5720.00	106.8 PK			2.50 H	296	66.4	40.4
4	*5720.00	96.6 AV			2.50 H	296	56.2	40.4
5	#5825.00	56.2 PK	74.0	-17.8	2.35 H	347	51.5	4.7
6	#5825.00	42.7 AV	54.0	-11.3	2.35 H	347	38.0	4.7
7	11440.00	61.2 PK	74.0	-12.8	1.89 H	313	42.9	18.3
8	11440.00	48.0 AV	54.0	-6.0	1.89 H	313	29.7	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.3 PK	74.0	-17.7	1.97 V	354	52.3	4.0
2	#5470.00	43.0 AV	54.0	-11.0	1.97 V	354	39.0	4.0
3	*5720.00	123.4 PK			1.87 V	351	83.0	40.4
4	*5720.00	112.6 AV			1.87 V	351	72.2	40.4
5	#5825.00	58.8 PK	74.0	-15.2	2.03 V	333	54.1	4.7
6	#5825.00	44.7 AV	54.0	-9.3	2.03 V	333	40.0	4.7
7	11440.00	62.0 PK	74.0	-12.0	1.92 V	341	43.7	18.3
8	11440.00	48.2 AV	54.0	-5.8	1.92 V	341	29.9	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (HT20)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.7 PK	74.0	-20.3	1.74 H	166	52.9	0.8
2	5150.00	41.4 AV	54.0	-12.6	1.74 H	166	40.6	0.8
3	*5260.00	106.7 PK			1.73 H	12	67.9	38.8
4	*5260.00	96.5 AV			1.73 H	12	57.7	38.8
5	#10520.00	58.4 PK	74.0	-15.6	1.61 H	293	44.7	13.7
6	#10520.00	44.3 AV	54.0	-9.7	1.61 H	293	30.6	13.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	47.9 PK	74.0	-26.1	1.64 V	188	47.1	0.8
2	5150.00	44.2 AV	54.0	-9.8	1.64 V	188	43.4	0.8
3	*5260.00	122.9 PK			1.38 V	14	84.1	38.8
4	*5260.00	111.8 AV			1.38 V	14	73.0	38.8
5	#10520.00	59.3 PK	74.0	-14.7	1.70 V	237	45.6	13.7
6	#10520.00	46.0 AV	54.0	-8.0	1.70 V	237	32.3	13.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	107.6 PK			1.80 H	10	68.7	38.9
2	*5300.00	96.3 AV			1.80 H	10	57.4	38.9
3	10600.00	58.1 PK	74.0	-15.9	1.59 H	231	44.3	13.8
4	10600.00	45.0 AV	54.0	-9.0	1.59 H	231	31.2	13.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	122.9 PK			1.36 V	13	84.0	38.9
2	*5300.00	111.7 AV			1.36 V	13	72.8	38.9
3	10600.00	59.2 PK	74.0	-14.8	1.44 V	283	45.4	13.8
4	10600.00	45.4 AV	54.0	-8.6	1.44 V	283	31.6	13.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	105.5 PK			1.81 H	284	66.5	39.0
2	*5320.00	94.2 AV			1.81 H	284	55.2	39.0
3	5350.00	55.6 PK	74.0	-18.4	1.56 H	323	54.5	1.1
4	5350.00	42.8 AV	54.0	-11.2	1.56 H	323	41.7	1.1
5	10640.00	57.6 PK	74.0	-16.4	1.61 H	293	43.7	13.9
6	10640.00	44.0 AV	54.0	-10.0	1.61 H	293	30.1	13.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	119.9 PK			1.39 V	11	80.9	39.0
2	*5320.00	108.8 AV			1.39 V	11	69.8	39.0
3	5350.00	67.3 PK	74.0	-6.7	1.50 V	360	66.2	1.1
4	5350.00	52.3 AV	54.0	-1.7	1.50 V	360	51.2	1.1
5	10640.00	58.5 PK	74.0	-15.5	1.44 V	304	44.6	13.9
6	10640.00	44.9 AV	54.0	-9.1	1.44 V	304	31.0	13.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	53.2 PK	74.0	-20.8	2.19 H	301	51.2	2.0
2	5460.00	41.9 AV	54.0	-12.1	2.19 H	301	39.9	2.0
3	#5470.00	56.8 PK	74.0	-17.2	1.78 H	332	54.8	2.0
4	#5470.00	43.3 AV	54.0	-10.7	1.78 H	332	41.3	2.0
5	*5500.00	105.5 PK			1.42 H	315	65.5	40.0
6	*5500.00	95.2 AV			1.42 H	315	55.2	40.0
7	11000.00	60.2 PK	74.0	-13.8	1.77 H	293	44.3	15.9
8	11000.00	47.5 AV	54.0	-6.5	1.77 H	293	31.6	15.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.3 PK	74.0	-10.7	1.37 V	5	61.3	2.0
2	5460.00	48.7 AV	54.0	-5.3	1.37 V	5	46.7	2.0
3	#5470.00	66.9 PK	74.0	-7.1	1.61 V	353	64.9	2.0
4	#5470.00	52.4 AV	54.0	-1.6	1.61 V	353	50.4	2.0
5	*5500.00	119.9 PK			1.72 V	359	79.9	40.0
6	*5500.00	109.7 AV			1.72 V	359	69.7	40.0
7	11000.00	58.5 PK	74.0	-15.5	1.63 V	252	42.6	15.9
8	11000.00	48.4 AV	54.0	-5.6	1.63 V	252	32.5	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	108.0 PK			1.60 H	316	67.8	40.2
2	*5580.00	97.6 AV			1.60 H	316	57.4	40.2
3	11160.00	59.8 PK	74.0	-14.2	1.89 H	193	44.5	15.3
4	11160.00	47.1 AV	54.0	-6.9	1.89 H	193	31.8	15.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	122.6 PK			1.39 V	359	82.4	40.2
2	*5580.00	112.2 AV			1.39 V	359	72.0	40.2
3	11160.00	62.3 PK	74.0	-11.7	2.86 V	265	47.0	15.3
4	11160.00	48.6 AV	54.0	-5.4	2.86 V	265	33.3	15.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	102.7 PK			1.49 H	332	62.1	40.6
2	*5700.00	92.8 AV			1.49 H	332	52.2	40.6
3	#5725.00	56.6 PK	74.0	-17.4	1.60 H	55	53.8	2.8
4	#5725.00	43.8 AV	54.0	-10.2	1.60 H	55	41.0	2.8
5	11400.00	60.1 PK	74.0	-13.9	1.66 H	193	45.2	14.9
6	11400.00	47.2 AV	54.0	-6.8	1.66 H	193	32.3	14.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	116.4 PK			1.65 V	5	75.8	40.6
2	*5700.00	106.2 AV			1.65 V	5	65.6	40.6
3	#5725.00	66.6 PK	74.0	-7.4	1.52 V	39	63.8	2.8
4	#5725.00	52.5 AV	54.0	-1.5	1.52 V	39	49.7	2.8
5	11400.00	61.7 PK	74.0	-12.3	1.81 V	179	46.8	14.9
6	11400.00	48.0 AV	54.0	-6.0	1.81 V	179	33.1	14.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	55.3 PK	74.0	-18.7	1.98 H	333	51.3	4.0
2	#5470.00	42.0 AV	54.0	-12.0	1.98 H	333	38.0	4.0
3	*5720.00	107.2 PK			2.49 H	325	66.8	40.4
4	*5720.00	96.2 AV			2.49 H	325	55.8	40.4
5	#5825.00	56.5 PK	74.0	-17.5	2.14 H	341	51.8	4.7
6	#5825.00	42.7 AV	54.0	-11.3	2.14 H	341	38.0	4.7
7	11440.00	60.9 PK	74.0	-13.1	2.10 H	345	42.6	18.3
8	11440.00	47.9 AV	54.0	-6.1	2.10 H	345	29.6	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.4 PK	74.0	-17.6	1.93 V	320	52.4	4.0
2	#5470.00	42.8 AV	54.0	-11.2	1.93 V	320	38.8	4.0
3	*5720.00	123.0 PK			1.75 V	352	82.6	40.4
4	*5720.00	112.6 AV			1.75 V	352	72.2	40.4
5	#5825.00	58.0 PK	74.0	-16.0	2.21 V	335	53.3	4.7
6	#5825.00	44.8 AV	54.0	-9.2	2.21 V	335	40.1	4.7
7	11440.00	61.4 PK	74.0	-12.6	1.83 V	352	43.1	18.3
8	11440.00	48.1 AV	54.0	-5.9	1.83 V	352	29.8	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (HT40)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	104.9 PK			1.71 H	321	66.0	38.9
2	*5270.00	95.5 AV			1.71 H	321	56.6	38.9
3	5350.00	59.3 PK	74.0	-14.7	1.61 H	270	58.2	1.1
4	5350.00	47.2 AV	54.0	-6.8	1.61 H	270	46.1	1.1
5	#10540.00	57.9 PK	74.0	-16.1	1.82 H	303	44.2	13.7
6	#10540.00	44.6 AV	54.0	-9.4	1.82 H	303	30.9	13.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	118.2 PK			1.52 V	358	79.3	38.9
2	*5270.00	109.0 AV			1.52 V	358	70.1	38.9
3	5350.00	63.3 PK	74.0	-10.7	1.67 V	9	62.2	1.1
4	5350.00	50.7 AV	54.0	-3.3	1.67 V	9	49.6	1.1
5	#10540.00	58.4 PK	74.0	-15.6	1.69 V	239	44.7	13.7
6	#10540.00	44.9 AV	54.0	-9.1	1.69 V	239	31.2	13.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	98.2 PK			1.33 H	322	59.3	38.9
2	*5310.00	88.7 AV			1.33 H	322	49.8	38.9
3	5350.00	56.4 PK	74.0	-17.6	1.82 H	209	55.3	1.1
4	5350.00	43.0 AV	54.0	-11.0	1.82 H	209	41.9	1.1
5	10620.00	58.6 PK	74.0	-15.4	1.63 H	303	44.8	13.8
6	10620.00	45.0 AV	54.0	-9.0	1.63 H	303	31.2	13.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	112.5 PK			1.67 V	12	73.6	38.9
2	*5310.00	102.8 AV			1.67 V	12	63.9	38.9
3	5350.00	64.0 PK	74.0	-10.0	1.62 V	327	62.9	1.1
4	5350.00	52.5 AV	54.0	-1.5	1.62 V	327	51.4	1.1
5	10620.00	58.6 PK	74.0	-15.4	1.87 V	344	44.8	13.8
6	10620.00	44.9 AV	54.0	-9.1	1.87 V	344	31.1	13.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	53.7 PK	74.0	-20.3	3.49 H	291	51.7	2.0
2	5460.00	42.1 AV	54.0	-11.9	3.49 H	291	40.1	2.0
3	#5470.00	56.1 PK	74.0	-17.9	3.13 H	332	54.1	2.0
4	#5470.00	42.6 AV	54.0	-11.4	3.13 H	332	40.6	2.0
5	*5510.00	96.4 PK			3.92 H	108	56.3	40.1
6	*5510.00	87.0 AV			3.92 H	108	46.9	40.1
7	11020.00	59.3 PK	74.0	-14.7	2.97 H	164	43.6	15.7
8	11020.00	45.9 AV	54.0	-8.1	2.97 H	164	30.2	15.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.5 PK	74.0	-14.5	1.64 V	342	57.5	2.0
2	5460.00	46.6 AV	54.0	-7.4	1.64 V	342	44.6	2.0
3	#5470.00	66.4 PK	74.0	-7.6	1.52 V	5	64.4	2.0
4	#5470.00	52.3 AV	54.0	-1.7	1.52 V	5	50.3	2.0
5	*5510.00	113.9 PK			1.41 V	357	73.8	40.1
6	*5510.00	104.2 AV			1.41 V	357	64.1	40.1
7	11020.00	60.6 PK	74.0	-13.4	1.78 V	296	44.9	15.7
8	11020.00	47.5 AV	54.0	-6.5	1.78 V	296	31.8	15.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	54.2 PK	74.0	-19.8	3.14 H	346	52.2	2.0
2	5460.00	41.8 AV	54.0	-12.2	3.14 H	346	39.8	2.0
3	#5470.00	56.4 PK	74.0	-17.6	2.99 H	318	54.4	2.0
4	#5470.00	42.5 AV	54.0	-11.5	2.99 H	318	40.5	2.0
5	*5550.00	103.2 PK			3.67 H	83	63.1	40.1
6	*5550.00	94.0 AV			3.67 H	83	53.9	40.1
7	11100.00	58.7 PK	74.0	-15.3	2.71 H	111	43.7	15.0
8	11100.00	45.3 AV	54.0	-8.7	2.71 H	111	30.3	15.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.9 PK	74.0	-14.1	1.54 V	355	57.9	2.0
2	5460.00	45.5 AV	54.0	-8.5	1.54 V	355	43.5	2.0
3	#5470.00	66.7 PK	74.0	-7.3	1.61 V	4	64.7	2.0
4	#5470.00	51.3 AV	54.0	-2.7	1.61 V	4	49.3	2.0
5	*5550.00	119.0 PK			1.82 V	3	78.9	40.1
6	*5550.00	109.7 AV			1.82 V	3	69.6	40.1
7	11100.00	58.5 PK	74.0	-15.5	1.82 V	230	43.5	15.0
8	11100.00	46.3 AV	54.0	-7.7	1.82 V	230	31.3	15.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	98.9 PK			3.99 H	35	58.4	40.5
2	*5670.00	89.2 AV			3.99 H	35	48.7	40.5
3	#5725.00	56.2 PK	74.0	-17.8	3.48 H	22	53.4	2.8
4	#5725.00	43.9 AV	54.0	-10.1	3.48 H	22	41.1	2.8
5	11340.00	58.8 PK	74.0	-15.2	3.51 H	226	43.6	15.2
6	11340.00	46.1 AV	54.0	-7.9	3.51 H	226	30.9	15.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	114.5 PK			1.60 V	358	74.0	40.5
2	*5670.00	104.8 AV			1.60 V	358	64.3	40.5
3	#5725.00	64.5 PK	74.0	-9.5	1.54 V	356	61.7	2.8
4	#5725.00	52.4 AV	54.0	-1.6	1.54 V	356	49.6	2.8
5	11340.00	59.5 PK	74.0	-14.5	1.47 V	238	44.3	15.2
6	11340.00	46.4 AV	54.0	-7.6	1.47 V	238	31.2	15.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	55.0 PK	74.0	-19.0	1.91 H	290	51.0	4.0
2	#5470.00	42.0 AV	54.0	-12.0	1.91 H	290	38.0	4.0
3	*5710.00	105.0 PK			2.42 H	335	64.6	40.4
4	*5710.00	95.4 AV			2.42 H	335	55.0	40.4
5	#5825.00	56.3 PK	74.0	-17.7	1.79 H	321	51.6	4.7
6	#5825.00	42.7 AV	54.0	-11.3	1.79 H	321	38.0	4.7
7	11420.00	61.3 PK	74.0	-12.7	1.87 H	323	43.1	18.2
8	11420.00	47.6 AV	54.0	-6.4	1.87 H	323	29.4	18.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.4 PK	74.0	-17.6	2.13 V	333	52.4	4.0
2	#5470.00	43.0 AV	54.0	-11.0	2.13 V	333	39.0	4.0
3	*5710.00	119.6 PK			1.56 V	352	79.2	40.4
4	*5710.00	110.2 AV			1.56 V	352	69.8	40.4
5	#5825.00	60.1 PK	74.0	-13.9	2.00 V	341	55.4	4.7
6	#5825.00	45.7 AV	54.0	-8.3	2.00 V	341	41.0	4.7
7	11420.00	70.8 PK	74.0	-3.2	1.87 V	350	52.6	18.2
8	11420.00	48.0 AV	54.0	-6.0	1.87 V	350	29.8	18.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT80)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	94.5 PK			1.58 H	12	55.6	38.9
2	*5290.00	84.3 AV			1.58 H	12	45.4	38.9
3	5350.00	56.8 PK	74.0	-17.2	1.78 H	353	55.7	1.1
4	5350.00	43.5 AV	54.0	-10.5	1.78 H	353	42.4	1.1
5	#10580.00	58.7 PK	74.0	-15.3	1.54 H	256	44.9	13.8
6	#10580.00	45.7 AV	54.0	-8.3	1.54 H	256	31.9	13.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	107.3 PK			1.51 V	26	68.4	38.9
2	*5290.00	97.6 AV			1.51 V	26	58.7	38.9
3	5350.00	64.7 PK	74.0	-9.3	2.04 V	20	63.6	1.1
4	5350.00	52.6 AV	54.0	-1.4	2.04 V	20	51.5	1.1
5	#10580.00	58.7 PK	74.0	-15.3	1.88 V	239	44.9	13.8
6	#10580.00	45.3 AV	54.0	-8.7	1.88 V	239	31.5	13.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	53.7 PK	74.0	-20.3	3.51 H	141	51.7	2.0
2	5460.00	42.4 AV	54.0	-11.6	3.51 H	141	40.4	2.0
3	#5470.00	55.9 PK	74.0	-18.1	3.77 H	42	53.9	2.0
4	#5470.00	42.7 AV	54.0	-11.3	3.77 H	42	40.7	2.0
5	*5530.00	95.5 PK			3.90 H	84	55.4	40.1
6	*5530.00	85.6 AV			3.90 H	84	45.5	40.1
7	#5725.00	56.5 PK	74.0	-17.5	3.43 H	118	53.7	2.8
8	#5725.00	43.0 AV	54.0	-11.0	3.43 H	118	40.2	2.8
9	11060.00	59.4 PK	74.0	-14.6	3.02 H	183	44.1	15.3
10	11060.00	45.9 AV	54.0	-8.1	3.02 H	183	30.6	15.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.7 PK	74.0	-10.3	1.39 V	335	61.7	2.0
2	5460.00	51.8 AV	54.0	-2.2	1.39 V	335	49.8	2.0
3	#5470.00	67.8 PK	74.0	-6.2	1.57 V	360	65.8	2.0
4	#5470.00	52.5 AV	54.0	-1.5	1.57 V	360	50.5	2.0
5	*5530.00	110.3 PK			1.62 V	358	70.2	40.1
6	*5530.00	100.7 AV			1.62 V	358	60.6	40.1
7	#5725.00	58.3 PK	74.0	-15.7	1.77 V	359	55.5	2.8
8	#5725.00	45.3 AV	54.0	-8.7	1.77 V	359	42.5	2.8
9	11060.00	58.5 PK	74.0	-15.5	1.66 V	243	43.2	15.3
10	11060.00	45.9 AV	54.0	-8.1	1.66 V	243	30.6	15.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	52.2 PK	74.0	-21.8	1.77 H	340	48.2	4.0
2	5460.00	40.0 AV	54.0	-14.0	1.77 H	340	36.0	4.0
3	#5470.00	54.1 PK	74.0	-19.9	1.65 H	345	50.1	4.0
4	#5470.00	40.1 AV	54.0	-13.9	1.65 H	345	36.1	4.0
5	*5610.00	97.4 PK			1.83 H	323	57.2	40.2
6	*5610.00	87.2 AV			1.83 H	323	47.0	40.2
7	#5725.00	56.5 PK	74.0	-17.5	1.81 H	358	52.0	4.5
8	#5725.00	43.6 AV	54.0	-10.4	1.81 H	358	39.1	4.5
9	11220.00	60.1 PK	74.0	-13.9	1.79 H	359	41.2	18.9
10	11220.00	47.2 AV	54.0	-6.8	1.79 H	359	28.3	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.2 PK	74.0	-14.8	1.77 V	12	55.2	4.0
2	5460.00	46.4 AV	54.0	-7.6	1.77 V	12	42.4	4.0
3	#5470.00	60.6 PK	74.0	-13.4	1.71 V	30	56.6	4.0
4	#5470.00	46.8 AV	54.0	-7.2	1.71 V	30	42.8	4.0
5	*5610.00	114.3 PK			1.57 V	352	74.1	40.2
6	*5610.00	103.9 AV			1.57 V	352	63.7	40.2
7	#5725.00	66.6 PK	74.0	-7.4	1.51 V	24	62.1	4.5
8	#5725.00	52.3 AV	54.0	-1.7	1.51 V	24	47.8	4.5
9	11220.00	60.7 PK	74.0	-13.3	1.55 V	43	41.8	18.9
10	11220.00	47.3 AV	54.0	-6.7	1.55 V	43	28.4	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	55.5 PK	74.0	-18.5	1.87 H	332	51.5	4.0
2	#5470.00	41.5 AV	54.0	-12.5	1.87 H	332	37.5	4.0
3	*5690.00	100.7 PK			1.99 H	339	60.4	40.3
4	*5690.00	90.6 AV			1.99 H	339	50.3	40.3
5	#5825.00	55.7 PK	74.0	-18.3	1.69 H	322	51.0	4.7
6	#5825.00	42.1 AV	54.0	-11.9	1.69 H	322	37.4	4.7
7	#10380.00	57.2 PK	74.0	-16.8	1.77 H	303	41.5	15.7
8	#10380.00	43.7 AV	54.0	-10.3	1.77 H	303	28.0	15.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.5 PK	74.0	-16.5	1.79 V	341	53.5	4.0
2	#5470.00	43.8 AV	54.0	-10.2	1.79 V	341	39.8	4.0
3	*5690.00	115.0 PK			1.67 V	357	74.7	40.3
4	*5690.00	105.3 AV			1.67 V	357	65.0	40.3
5	#5825.00	67.1 PK	74.0	-6.9	1.75 V	355	62.4	4.7
6	#5825.00	52.3 AV	54.0	-1.7	1.60 V	14	47.6	4.7
7	11380.00	61.3 PK	74.0	-12.7	1.79 V	357	43.0	18.3
8	11380.00	47.8 AV	54.0	-6.2	1.79 V	357	29.5	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Mode C

802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	59.1 PK	74.0	-14.9	1.67 H	345	57.7	1.4
2	5040.00	46.8 AV	54.0	-7.2	1.67 H	345	45.4	1.4
3	*5260.00	120.8 PK			1.53 H	10	81.1	39.7
4	*5260.00	110.5 AV			1.53 H	10	70.8	39.7
5	5424.00	60.8 PK	74.0	-13.2	1.51 H	342	58.8	2.0
6	5424.00	51.5 AV	54.0	-2.5	1.51 H	342	49.5	2.0
7	#10520.00	56.2 PK	74.0	-17.8	1.75 H	333	42.2	14.0
8	#10520.00	45.0 AV	54.0	-9.0	1.75 H	333	31.0	14.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	53.0 PK	74.0	-21.0	2.54 V	333	51.6	1.4
2	5040.00	42.0 AV	54.0	-12.0	2.54 V	333	40.6	1.4
3	*5260.00	106.6 PK			2.84 V	323	66.9	39.7
4	*5260.00	95.9 AV			2.84 V	323	56.2	39.7
5	5424.00	54.7 PK	74.0	-19.3	2.63 V	353	52.7	2.0
6	5424.00	42.9 AV	54.0	-11.1	2.63 V	353	40.9	2.0
7	#10520.00	56.7 PK	74.0	-17.3	2.59 V	321	42.7	14.0
8	#10520.00	44.8 AV	54.0	-9.2	2.59 V	321	30.8	14.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	61.1 PK	74.0	-12.9	1.60 H	5	59.7	1.4
2	5040.00	51.5 AV	54.0	-2.5	1.60 H	5	50.1	1.4
3	*5300.00	121.7 PK			1.52 H	349	81.9	39.8
4	*5300.00	111.0 AV			1.52 H	349	71.2	39.8
5	10600.00	57.9 PK	74.0	-16.1	1.72 H	33	43.7	14.2
6	10600.00	45.3 AV	54.0	-8.7	1.72 H	33	31.1	14.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	55.7 PK	74.0	-18.3	2.31 V	359	54.3	1.4
2	5040.00	42.3 AV	54.0	-11.7	2.31 V	359	40.9	1.4
3	*5300.00	107.6 PK			3.36 V	359	67.8	39.8
4	*5300.00	96.9 AV			3.36 V	359	57.1	39.8
5	10600.00	59.1 PK	74.0	-14.9	2.41 V	346	44.9	14.2
6	10600.00	45.5 AV	54.0	-8.5	2.41 V	346	31.3	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	121.1 PK			1.61 H	351	81.2	39.9
2	*5320.00	110.7 AV			1.61 H	351	70.8	39.9
3	5424.00	61.8 PK	74.0	-12.2	1.47 H	6	59.8	2.0
4	5424.00	51.6 AV	54.0	-2.4	1.47 H	6	49.6	2.0
5	10640.00	59.3 PK	74.0	-14.7	1.66 H	345	45.1	14.2
6	10640.00	45.9 AV	54.0	-8.1	1.66 H	345	31.7	14.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	107.0 PK			2.96 V	286	67.1	39.9
2	*5320.00	96.8 AV			2.96 V	286	56.9	39.9
3	5424.00	57.2 PK	74.0	-16.8	2.98 V	336	55.2	2.0
4	5424.00	43.5 AV	54.0	-10.5	2.98 V	336	41.5	2.0
5	10640.00	58.7 PK	74.0	-15.3	3.12 V	321	44.5	14.2
6	10640.00	46.3 AV	54.0	-7.7	3.12 V	321	32.1	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	62.2 PK	74.0	-11.8	2.03 H	354	60.2	2.0
2	5424.00	52.3 AV	54.0	-1.7	2.03 H	354	50.3	2.0
3	#5470.00	65.4 PK	74.0	-8.6	2.05 H	355	63.4	2.0
4	#5470.00	51.6 AV	54.0	-2.4	2.05 H	355	49.6	2.0
5	*5500.00	121.4 PK			1.95 H	354	81.4	40.0
6	*5500.00	111.0 AV			1.95 H	354	71.0	40.0
7	11000.00	59.6 PK	74.0	-14.4	2.19 H	311	43.7	15.9
8	11000.00	46.4 AV	54.0	-7.6	2.19 H	311	30.5	15.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	53.3 PK	74.0	-20.7	1.87 V	322	51.3	2.0
2	5424.00	43.2 AV	54.0	-10.8	1.87 V	322	41.2	2.0
3	#5470.00	54.7 PK	74.0	-19.3	2.00 V	333	52.7	2.0
4	#5470.00	43.0 AV	54.0	-11.0	2.00 V	333	41.0	2.0
5	*5500.00	105.7 PK			2.18 V	337	65.7	40.0
6	*5500.00	96.1 AV			2.18 V	337	56.1	40.0
7	11000.00	58.7 PK	74.0	-15.3	1.92 V	289	42.8	15.9
8	11000.00	46.1 AV	54.0	-7.9	1.92 V	289	30.2	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	120.3 PK			1.50 H	351	80.1	40.2
2	*5580.00	110.1 AV			1.50 H	351	69.9	40.2
3	11160.00	59.6 PK	74.0	-14.4	1.88 H	333	44.3	15.3
4	11160.00	46.9 AV	54.0	-7.1	1.88 H	333	31.6	15.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	107.5 PK			3.31 V	329	67.3	40.2
2	*5580.00	97.0 AV			3.31 V	329	56.8	40.2
3	11160.00	59.0 PK	74.0	-15.0	3.09 V	322	43.7	15.3
4	11160.00	46.0 AV	54.0	-8.0	3.09 V	322	30.7	15.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	118.7 PK			1.75 H	349	78.1	40.6
2	*5700.00	108.3 AV			1.75 H	349	67.7	40.6
3	#5725.00	66.5 PK	74.0	-7.5	1.70 H	348	63.7	2.8
4	#5725.00	52.3 AV	54.0	-1.7	1.70 H	348	49.5	2.8
5	11400.00	60.7 PK	74.0	-13.3	1.82 H	296	45.8	14.9
6	11400.00	47.8 AV	54.0	-6.2	1.82 H	296	32.9	14.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	107.6 PK			3.33 V	329	67.0	40.6
2	*5700.00	97.5 AV			3.33 V	329	56.9	40.6
3	#5725.00	59.3 PK	74.0	-14.7	3.44 V	324	56.5	2.8
4	#5725.00	46.2 AV	54.0	-7.8	3.44 V	324	43.4	2.8
5	11400.00	58.1 PK	74.0	-15.9	3.09 V	353	43.2	14.9
6	11400.00	46.3 AV	54.0	-7.7	3.09 V	353	31.4	14.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.5 PK	74.0	-16.5	1.99 H	236	53.5	4.0
2	#5470.00	44.6 AV	54.0	-9.4	1.99 H	236	40.6	4.0
3	*5720.00	121.8 PK			1.91 H	353	81.4	40.4
4	*5720.00	111.2 AV			1.91 H	353	70.8	40.4
5	#5825.00	61.9 PK	74.0	-12.1	2.10 H	333	57.2	4.7
6	#5825.00	48.5 AV	54.0	-5.5	2.10 H	333	43.8	4.7
7	11440.00	60.7 PK	74.0	-13.3	1.77 H	320	42.4	18.3
8	11440.00	47.4 AV	54.0	-6.6	1.77 H	320	29.1	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.3 PK	74.0	-16.7	2.78 V	306	53.3	4.0
2	#5470.00	43.5 AV	54.0	-10.5	2.78 V	306	39.5	4.0
3	*5720.00	108.4 PK			3.08 V	340	68.0	40.4
4	*5720.00	97.7 AV			3.08 V	340	57.3	40.4
5	#5825.00	47.7 PK	74.0	-26.3	2.56 V	288	43.0	4.7
6	#5825.00	44.0 AV	54.0	-10.0	2.56 V	288	39.3	4.7
7	11440.00	61.0 PK	74.0	-13.0	3.11 V	257	42.7	18.3
8	11440.00	48.6 AV	54.0	-5.4	3.11 V	257	30.3	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (HT20)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	57.5 PK	74.0	-16.5	1.77 H	11	56.1	1.4
2	5040.00	46.4 AV	54.0	-7.6	1.77 H	11	45.0	1.4
3	*5260.00	120.0 PK			1.81 H	356	80.3	39.7
4	*5260.00	109.7 AV			1.81 H	356	70.0	39.7
5	5424.00	59.3 PK	74.0	-14.7	1.83 H	344	57.3	2.0
6	5424.00	50.8 AV	54.0	-3.2	1.83 H	344	48.8	2.0
7	#10520.00	58.4 PK	74.0	-15.6	1.79 H	303	44.4	14.0
8	#10520.00	45.2 AV	54.0	-8.8	1.79 H	303	31.2	14.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	55.7 PK	74.0	-18.3	2.76 V	326	54.3	1.4
2	5040.00	43.1 AV	54.0	-10.9	2.76 V	326	41.7	1.4
3	*5260.00	107.1 PK			2.95 V	319	67.4	39.7
4	*5260.00	96.2 AV			2.95 V	319	56.5	39.7
5	5424.00	56.4 PK	74.0	-17.6	2.44 V	346	54.4	2.0
6	5424.00	43.8 AV	54.0	-10.2	2.44 V	346	41.8	2.0
7	#10520.00	57.9 PK	74.0	-16.1	2.68 V	299	43.9	14.0
8	#10520.00	45.4 AV	54.0	-8.6	2.68 V	299	31.4	14.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	55.0 PK	74.0	-19.0	1.81 H	20	53.6	1.4
2	5040.00	44.8 AV	54.0	-9.2	1.81 H	20	43.4	1.4
3	*5300.00	120.2 PK			1.87 H	357	80.4	39.8
4	*5300.00	110.0 AV			1.87 H	357	70.2	39.8
5	10600.00	58.7 PK	74.0	-15.3	1.89 H	28	44.5	14.2
6	10600.00	45.8 AV	54.0	-8.2	1.89 H	28	31.6	14.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5040.00	56.3 PK	74.0	-17.7	2.33 V	296	54.9	1.4
2	5040.00	42.7 AV	54.0	-11.3	2.33 V	296	41.3	1.4
3	*5300.00	107.9 PK			2.81 V	287	68.1	39.8
4	*5300.00	96.7 AV			2.81 V	287	56.9	39.8
5	10600.00	59.1 PK	74.0	-14.9	2.22 V	291	44.9	14.2
6	10600.00	46.1 AV	54.0	-7.9	2.22 V	291	31.9	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	120.8 PK			1.56 H	352	80.9	39.9
2	*5320.00	110.3 AV			1.56 H	352	70.4	39.9
3	5350.00	67.1 PK	74.0	-6.9	1.72 H	350	65.2	1.9
4	5350.00	52.5 AV	54.0	-1.5	1.72 H	350	50.6	1.9
5	10640.00	58.7 PK	74.0	-15.3	1.53 H	353	44.5	14.2
6	10640.00	45.9 AV	54.0	-8.1	1.53 H	353	31.7	14.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	107.4 PK			3.18 V	321	67.5	39.9
2	*5320.00	96.5 AV			3.18 V	321	56.6	39.9
3	5350.00	61.0 PK	74.0	-13.0	2.99 V	303	59.1	1.9
4	5350.00	46.8 AV	54.0	-7.2	2.99 V	303	44.9	1.9
5	10640.00	59.1 PK	74.0	-14.9	3.00 V	357	44.9	14.2
6	10640.00	45.6 AV	54.0	-8.4	3.00 V	357	31.4	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	62.9 PK	74.0	-11.1	1.94 H	355	60.9	2.0
2	5424.00	52.4 AV	54.0	-1.6	1.94 H	355	50.4	2.0
3	#5470.00	61.9 PK	74.0	-12.1	1.94 H	355	59.9	2.0
4	#5470.00	50.2 AV	54.0	-3.8	1.94 H	355	48.2	2.0
5	*5500.00	120.0 PK			1.74 H	339	80.0	40.0
6	*5500.00	109.8 AV			1.74 H	339	69.8	40.0
7	11000.00	60.9 PK	74.0	-13.1	1.88 H	296	45.0	15.9
8	11000.00	47.3 AV	54.0	-6.7	1.88 H	296	31.4	15.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	56.5 PK	74.0	-17.5	3.39 V	357	54.5	2.0
2	5424.00	43.5 AV	54.0	-10.5	3.39 V	357	41.5	2.0
3	#5470.00	55.0 PK	74.0	-19.0	3.33 V	350	53.0	2.0
4	#5470.00	43.0 AV	54.0	-11.0	3.33 V	350	41.0	2.0
5	*5500.00	104.2 PK			3.83 V	5	64.2	40.0
6	*5500.00	93.7 AV			3.83 V	5	53.7	40.0
7	11000.00	60.9 PK	74.0	-13.1	2.09 V	325	45.0	15.9
8	11000.00	47.4 AV	54.0	-6.6	2.09 V	325	31.5	15.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	121.0 PK			1.76 H	344	80.8	40.2
2	*5580.00	110.0 AV			1.76 H	344	69.8	40.2
3	11160.00	59.5 PK	74.0	-14.5	1.79 H	283	44.2	15.3
4	11160.00	47.1 AV	54.0	-6.9	1.79 H	283	31.8	15.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	107.0 PK			3.42 V	319	66.8	40.2
2	*5580.00	96.6 AV			3.42 V	319	56.4	40.2
3	11160.00	59.2 PK	74.0	-14.8	2.49 V	330	43.9	15.3
4	11160.00	46.5 AV	54.0	-7.5	2.49 V	330	31.2	15.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	119.0 PK			1.88 H	344	78.4	40.6
2	*5700.00	108.7 AV			1.88 H	344	68.1	40.6
3	#5725.00	66.3 PK	74.0	-7.7	1.70 H	348	63.5	2.8
4	#5725.00	52.5 AV	54.0	-1.5	1.70 H	348	49.7	2.8
5	11400.00	58.6 PK	74.0	-15.4	1.82 H	351	43.7	14.9
6	11400.00	46.2 AV	54.0	-7.8	1.82 H	351	31.3	14.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	103.8 PK			3.27 V	320	63.2	40.6
2	*5700.00	94.1 AV			3.27 V	320	53.5	40.6
3	#5725.00	57.2 PK	74.0	-16.8	3.31 V	339	54.4	2.8
4	#5725.00	43.9 AV	54.0	-10.1	3.31 V	339	41.1	2.8
5	11400.00	58.5 PK	74.0	-15.5	3.09 V	323	43.6	14.9
6	11400.00	46.0 AV	54.0	-8.0	3.09 V	323	31.1	14.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	58.7 PK	74.0	-15.3	1.68 H	357	54.7	4.0
2	#5470.00	44.1 AV	54.0	-9.9	1.68 H	357	40.1	4.0
3	*5720.00	121.7 PK			1.49 H	4	81.3	40.4
4	*5720.00	111.2 AV			1.49 H	4	70.8	40.4
5	#5825.00	61.8 PK	74.0	-12.2	1.61 H	357	57.1	4.7
6	#5825.00	48.3 AV	54.0	-5.7	1.61 H	357	43.6	4.7
7	11440.00	60.6 PK	74.0	-13.4	1.57 H	358	42.3	18.3
8	11440.00	47.5 AV	54.0	-6.5	1.57 H	358	29.2	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.9 PK	74.0	-17.1	2.67 V	277	52.9	4.0
2	#5470.00	43.5 AV	54.0	-10.5	2.67 V	277	39.5	4.0
3	*5720.00	108.0 PK			3.02 V	326	67.6	40.4
4	*5720.00	97.1 AV			3.02 V	326	56.7	40.4
5	#5825.00	57.5 PK	74.0	-16.5	2.96 V	287	52.8	4.7
6	#5825.00	43.7 AV	54.0	-10.3	2.96 V	287	39.0	4.7
7	11440.00	61.7 PK	74.0	-12.3	2.64 V	296	43.4	18.3
8	11440.00	47.7 AV	54.0	-6.3	2.64 V	296	29.4	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (HT40)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5120.00	58.1 PK	74.0	-15.9	1.55 H	358	56.5	1.6
2	5120.00	47.1 AV	54.0	-6.9	1.55 H	358	45.5	1.6
3	*5270.00	117.0 PK			1.80 H	344	77.3	39.7
4	*5270.00	107.6 AV			1.80 H	344	67.9	39.7
5	5424.00	60.1 PK	74.0	-13.9	1.78 H	337	58.1	2.0
6	5424.00	51.3 AV	54.0	-2.7	1.78 H	337	49.3	2.0
7	#10540.00	58.7 PK	74.0	-15.3	1.63 H	322	44.6	14.1
8	#10540.00	45.8 AV	54.0	-8.2	1.63 H	322	31.7	14.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5120.00	55.3 PK	74.0	-18.7	3.39 V	333	53.7	1.6
2	5120.00	42.3 AV	54.0	-11.7	3.39 V	333	40.7	1.6
3	*5270.00	103.6 PK			3.83 V	336	63.9	39.7
4	*5270.00	94.2 AV			3.83 V	336	54.5	39.7
5	5424.00	56.6 PK	74.0	-17.4	3.03 V	311	54.6	2.0
6	5424.00	42.8 AV	54.0	-11.2	3.03 V	311	40.8	2.0
7	#10540.00	57.9 PK	74.0	-16.1	3.44 V	358	43.8	14.1
8	#10540.00	45.0 AV	54.0	-9.0	3.44 V	358	30.9	14.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	115.2 PK			1.78 H	354	75.4	39.8
2	*5310.00	105.3 AV			1.78 H	354	65.5	39.8
3	5350.00	64.6 PK	74.0	-9.4	1.78 H	340	62.7	1.9
4	5350.00	52.3 AV	54.0	-1.7	1.78 H	340	50.4	1.9
5	10620.00	59.1 PK	74.0	-14.9	1.00 H	333	44.9	14.2
6	10620.00	45.5 AV	54.0	-8.5	1.00 H	333	31.3	14.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	102.4 PK			3.22 V	321	62.6	39.8
2	*5310.00	93.1 AV			3.22 V	321	53.3	39.8
3	5350.00	55.4 PK	74.0	-18.6	2.98 V	351	53.5	1.9
4	5350.00	42.8 AV	54.0	-11.2	2.98 V	351	40.9	1.9
5	10620.00	58.7 PK	74.0	-15.3	3.11 V	296	44.5	14.2
6	10620.00	45.5 AV	54.0	-8.5	3.11 V	296	31.3	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	58.8 PK	74.0	-15.2	1.67 H	356	56.8	2.0
2	5424.00	47.7 AV	54.0	-6.3	1.67 H	356	45.7	2.0
3	#5470.00	66.0 PK	74.0	-8.0	1.55 H	358	64.0	2.0
4	#5470.00	52.3 AV	54.0	-1.7	1.55 H	358	50.3	2.0
5	*5510.00	116.0 PK			1.88 H	338	75.9	40.1
6	*5510.00	106.2 AV			1.88 H	338	66.1	40.1
7	11020.00	59.0 PK	74.0	-15.0	1.82 H	293	43.3	15.7
8	11020.00	46.1 AV	54.0	-7.9	1.82 H	293	30.4	15.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	54.2 PK	74.0	-19.8	1.88 V	333	52.2	2.0
2	5424.00	42.9 AV	54.0	-11.1	1.88 V	333	40.9	2.0
3	#5470.00	54.7 PK	74.0	-19.3	1.68 V	345	52.7	2.0
4	#5470.00	42.7 AV	54.0	-11.3	1.68 V	345	40.7	2.0
5	*5510.00	98.3 PK			3.57 V	144	58.2	40.1
6	*5510.00	88.6 AV			3.57 V	144	48.5	40.1
7	11020.00	59.9 PK	74.0	-14.1	1.90 V	309	44.2	15.7
8	11020.00	47.1 AV	54.0	-6.9	1.90 V	309	31.4	15.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	116.9 PK			1.81 H	343	76.8	40.1
2	*5550.00	107.6 AV			1.81 H	343	67.5	40.1
3	11100.00	59.3 PK	74.0	-14.7	1.78 H	322	44.3	15.0
4	11100.00	46.3 AV	54.0	-7.7	1.78 H	322	31.3	15.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	99.5 PK			1.11 V	358	59.4	40.1
2	*5550.00	90.1 AV			1.11 V	358	50.0	40.1
3	11100.00	59.5 PK	74.0	-14.5	1.30 V	10	44.5	15.0
4	11100.00	46.3 AV	54.0	-7.7	1.30 V	10	31.3	15.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	116.4 PK			1.88 H	345	75.9	40.5
2	*5670.00	106.8 AV			1.88 H	345	66.3	40.5
3	#5725.00	64.4 PK	74.0	-9.6	1.84 H	349	61.6	2.8
4	#5725.00	52.2 AV	54.0	-1.8	1.84 H	349	49.4	2.8
5	11340.00	60.6 PK	74.0	-13.4	1.92 H	322	45.4	15.2
6	11340.00	47.3 AV	54.0	-6.7	1.92 H	322	32.1	15.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	100.5 PK			3.50 V	330	60.0	40.5
2	*5670.00	91.6 AV			3.50 V	330	51.1	40.5
3	#5725.00	54.8 PK	74.0	-19.2	3.20 V	352	52.0	2.8
4	#5725.00	44.0 AV	54.0	-10.0	3.20 V	352	41.2	2.8
5	11340.00	61.1 PK	74.0	-12.9	3.23 V	299	45.9	15.2
6	11340.00	47.8 AV	54.0	-6.2	3.23 V	299	32.6	15.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	58.2 PK	74.0	-15.8	2.23 H	318	54.2	4.0
2	#5470.00	45.3 AV	54.0	-8.7	2.23 H	318	41.3	4.0
3	*5710.00	117.7 PK			1.83 H	359	77.3	40.4
4	*5710.00	108.1 AV			1.83 H	359	67.7	40.4
5	#5825.00	62.7 PK	74.0	-11.3	1.75 H	358	58.0	4.7
6	#5825.00	48.7 AV	54.0	-5.3	1.75 H	358	44.0	4.7
7	11420.00	60.6 PK	74.0	-13.4	1.96 H	322	42.4	18.2
8	11420.00	47.4 AV	54.0	-6.6	1.96 H	322	29.2	18.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.9 PK	74.0	-17.1	2.62 V	311	52.9	4.0
2	#5470.00	43.4 AV	54.0	-10.6	2.62 V	311	39.4	4.0
3	*5710.00	102.7 PK			2.96 V	350	62.3	40.4
4	*5710.00	97.1 AV			2.96 V	350	56.7	40.4
5	#5825.00	57.8 PK	74.0	-16.2	2.21 V	320	53.1	4.7
6	#5825.00	43.9 AV	54.0	-10.1	2.21 V	320	39.2	4.7
7	11420.00	61.9 PK	74.0	-12.1	2.19 V	254	43.7	18.2
8	11420.00	48.1 AV	54.0	-5.9	2.19 V	254	29.9	18.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT80)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	109.8 PK			1.79 H	352	70.0	39.8
2	*5290.00	99.9 AV			1.79 H	352	60.1	39.8
3	5350.00	65.0 PK	74.0	-9.0	1.74 H	347	63.1	1.9
4	5350.00	52.3 AV	54.0	-1.7	1.74 H	347	50.4	1.9
5	#10580.00	57.5 PK	74.0	-16.5	1.88 H	333	43.3	14.2
6	#10580.00	45.7 AV	54.0	-8.3	1.88 H	333	31.5	14.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	97.5 PK			3.17 V	322	57.7	39.8
2	*5290.00	87.4 AV			3.17 V	322	47.6	39.8
3	5350.00	56.4 PK	74.0	-17.6	3.10 V	339	54.5	1.9
4	5350.00	43.4 AV	54.0	-10.6	3.10 V	339	41.5	1.9
5	#10580.00	58.0 PK	74.0	-16.0	3.22 V	351	43.8	14.2
6	#10580.00	45.5 AV	54.0	-8.5	3.22 V	351	31.3	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	59.4 PK	74.0	-14.6	1.76 H	356	57.4	2.0
2	5424.00	49.4 AV	54.0	-4.6	1.76 H	356	47.4	2.0
3	#5470.00	65.9 PK	74.0	-8.1	1.64 H	355	63.9	2.0
4	#5470.00	52.3 AV	54.0	-1.7	1.64 H	355	50.3	2.0
5	*5530.00	110.6 PK			1.70 H	339	70.5	40.1
6	*5530.00	100.8 AV			1.70 H	339	60.7	40.1
7	11060.00	60.0 PK	74.0	-14.0	1.82 H	323	44.7	15.3
8	11060.00	47.3 AV	54.0	-6.7	1.82 H	323	32.0	15.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	54.9 PK	74.0	-19.1	3.32 V	351	52.9	2.0
2	5424.00	43.4 AV	54.0	-10.6	3.32 V	351	41.4	2.0
3	#5470.00	56.8 PK	74.0	-17.2	3.22 V	333	54.8	2.0
4	#5470.00	43.6 AV	54.0	-10.4	3.22 V	333	41.6	2.0
5	*5530.00	96.4 PK			3.52 V	320	56.3	40.1
6	*5530.00	86.5 AV			3.52 V	320	46.4	40.1
7	11060.00	60.2 PK	74.0	-13.8	3.09 V	315	44.9	15.3
8	11060.00	46.9 AV	54.0	-7.1	3.09 V	315	31.6	15.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	61.5 PK	74.0	-12.5	2.03 H	344	57.5	4.0
2	5424.00	50.4 AV	54.0	-3.6	2.03 H	344	46.4	4.0
3	#5470.00	71.7 PK	74.0	-2.3	2.00 H	345	67.7	4.0
4	#5470.00	48.8 AV	54.0	-5.2	2.00 H	345	44.8	4.0
5	*5610.00	114.2 PK			2.05 H	342	74.0	40.2
6	*5610.00	104.4 AV			2.05 H	342	64.2	40.2
7	#5725.00	66.1 PK	74.0	-7.9	2.11 H	344	61.6	4.5
8	#5725.00	52.6 AV	54.0	-1.4	2.11 H	344	48.1	4.5
9	11220.00	61.6 PK	74.0	-12.4	1.96 H	42	42.7	18.9
10	11220.00	48.7 AV	54.0	-5.3	1.96 H	42	29.8	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	55.5 PK	74.0	-18.5	1.74 V	33	51.5	4.0
2	5424.00	44.8 AV	54.0	-9.2	1.74 V	33	40.8	4.0
3	#5470.00	56.4 PK	74.0	-17.6	1.99 V	22	52.4	4.0
4	#5470.00	45.5 AV	54.0	-8.5	1.99 V	22	41.5	4.0
5	*5610.00	99.1 PK			2.34 V	0	58.9	40.2
6	*5610.00	88.8 AV			2.34 V	0	48.6	40.2
7	#5725.00	58.5 PK	74.0	-15.5	2.30 V	1	54.0	4.5
8	#5725.00	46.9 AV	54.0	-7.1	2.30 V	1	42.4	4.5
9	11220.00	60.9 PK	74.0	-13.1	1.54 V	37	42.0	18.9
10	11220.00	48.0 AV	54.0	-6.0	1.54 V	37	29.1	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	60.2 PK	74.0	-13.8	1.80 H	351	56.2	4.0
2	#5470.00	46.4 AV	54.0	-7.6	1.80 H	351	42.4	4.0
3	*5690.00	115.0 PK			1.57 H	4	74.7	40.3
4	*5690.00	104.7 AV			1.57 H	4	64.4	40.3
5	#5825.00	64.6 PK	74.0	-9.4	1.80 H	355	59.9	4.7
6	#5825.00	51.4 AV	54.0	-2.6	1.80 H	355	46.7	4.7
7	11380.00	60.7 PK	74.0	-13.3	1.66 H	338	42.4	18.3
8	11380.00	47.0 AV	54.0	-7.0	1.66 H	338	28.7	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.8 PK	74.0	-17.2	3.22 V	333	52.8	4.0
2	#5470.00	43.6 AV	54.0	-10.4	3.22 V	333	39.6	4.0
3	*5690.00	102.2 PK			3.39 V	341	61.9	40.3
4	*5690.00	91.9 AV			3.39 V	341	51.6	40.3
5	#5825.00	57.2 PK	74.0	-16.8	3.02 V	311	52.5	4.7
6	#5825.00	44.2 AV	54.0	-9.8	3.02 V	311	39.5	4.7
7	11380.00	60.0 PK	74.0	-14.0	2.78 V	337	41.7	18.3
8	11380.00	46.6 AV	54.0	-7.4	2.78 V	337	28.3	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Mode D

802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.1 PK	74.0	-15.9	1.90 H	324	54.5	3.6
2	5150.00	47.2 AV	54.0	-6.8	1.90 H	324	43.6	3.6
3	*5260.00	118.7 PK			1.85 H	314	79.1	39.6
4	*5260.00	108.9 AV			1.85 H	314	69.3	39.6
5	#10520.00	61.4 PK	74.0	-12.6	1.95 H	289	44.4	17.0
6	#10520.00	48.2 AV	54.0	-5.8	1.95 H	289	31.2	17.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.2 PK	74.0	-16.8	1.86 V	33	53.6	3.6
2	5150.00	46.3 AV	54.0	-7.7	1.86 V	33	42.7	3.6
3	*5260.00	119.6 PK			1.94 V	344	80.0	39.6
4	*5260.00	109.3 AV			1.94 V	344	69.7	39.6
5	#10520.00	60.6 PK	74.0	-13.4	2.12 V	78	43.6	17.0
6	#10520.00	47.5 AV	54.0	-6.5	2.12 V	78	30.5	17.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	120.0 PK			1.81 H	312	80.4	39.6
2	*5300.00	108.9 AV			1.81 H	312	69.3	39.6
3	10600.00	62.5 PK	74.0	-11.5	1.46 H	279	45.4	17.1
4	10600.00	49.6 AV	54.0	-4.4	1.46 H	279	32.5	17.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	118.9 PK			2.02 V	341	79.3	39.6
2	*5300.00	108.5 AV			2.02 V	341	68.9	39.6
3	#10520.00	60.4 PK	74.0	-13.6	2.26 V	83	43.4	17.0
4	#10520.00	48.0 AV	54.0	-6.0	2.26 V	83	31.0	17.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	117.8 PK			1.74 H	310	78.1	39.7
2	*5320.00	107.9 AV			1.74 H	310	68.2	39.7
3	5350.00	66.5 PK	74.0	-7.5	1.85 H	312	62.6	3.9
4	5350.00	52.4 AV	54.0	-1.6	1.85 H	312	48.5	3.9
5	10640.00	60.9 PK	74.0	-13.1	2.20 H	19	43.6	17.3
6	10640.00	47.9 AV	54.0	-6.1	2.20 H	19	30.6	17.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	117.7 PK			1.98 V	340	78.0	39.7
2	*5320.00	107.7 AV			1.98 V	340	68.0	39.7
3	5350.00	67.6 PK	74.0	-6.4	2.09 V	343	63.7	3.9
4	5350.00	51.7 AV	54.0	-2.3	2.09 V	343	47.8	3.9
5	10640.00	62.6 PK	74.0	-11.4	1.72 V	41	45.3	17.3
6	10640.00	49.5 AV	54.0	-4.5	1.72 V	41	32.2	17.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.3 PK	74.0	-10.7	1.74 H	357	59.3	4.0
2	5460.00	46.9 AV	54.0	-7.1	1.74 H	357	42.9	4.0
3	#5470.00	69.2 PK	74.0	-4.8	1.84 H	11	65.2	4.0
4	#5470.00	52.6 AV	54.0	-1.4	1.84 H	11	48.6	4.0
5	*5500.00	118.7 PK			1.48 H	313	78.7	40.0
6	*5500.00	108.4 AV			1.48 H	313	68.4	40.0
7	11000.00	60.7 PK	74.0	-13.3	1.77 H	322	41.7	19.0
8	11000.00	48.0 AV	54.0	-6.0	1.77 H	322	29.0	19.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.8 PK	74.0	-15.2	2.51 V	341	54.8	4.0
2	5460.00	45.7 AV	54.0	-8.3	2.51 V	341	41.7	4.0
3	#5470.00	67.5 PK	74.0	-6.5	2.77 V	336	63.5	4.0
4	#5470.00	52.7 AV	54.0	-1.3	2.77 V	336	48.7	4.0
5	*5500.00	119.4 PK			2.76 V	344	79.4	40.0
6	*5500.00	108.8 AV			2.76 V	344	68.8	40.0
7	11000.00	60.7 PK	74.0	-13.3	2.36 V	302	41.7	19.0
8	11000.00	47.5 AV	54.0	-6.5	2.36 V	302	28.5	19.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	118.8 PK			1.73 H	316	78.7	40.1
2	*5580.00	108.4 AV			1.73 H	316	68.3	40.1
3	11160.00	59.8 PK	74.0	-14.2	1.72 H	341	41.1	18.7
4	11160.00	47.2 AV	54.0	-6.8	1.72 H	341	28.5	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	118.5 PK			1.80 V	338	78.4	40.1
2	*5580.00	108.3 AV			1.80 V	338	68.2	40.1
3	11160.00	60.6 PK	74.0	-13.4	1.77 V	352	41.9	18.7
4	11160.00	46.8 AV	54.0	-7.2	1.77 V	352	28.1	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	115.9 PK			1.73 H	316	75.6	40.3
2	*5700.00	105.8 AV			1.73 H	316	65.5	40.3
3	#5725.00	68.5 PK	74.0	-5.5	1.92 H	310	64.0	4.5
4	#5725.00	51.9 AV	54.0	-2.1	1.92 H	310	47.4	4.5
5	11400.00	61.6 PK	74.0	-12.4	1.82 H	334	43.4	18.2
6	11400.00	48.7 AV	54.0	-5.3	1.82 H	334	30.5	18.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	117.7 PK			2.56 V	337	77.4	40.3
2	*5700.00	107.3 AV			2.56 V	337	67.0	40.3
3	#5725.00	68.8 PK	74.0	-5.2	2.67 V	351	64.3	4.5
4	#5725.00	52.5 AV	54.0	-1.5	2.67 V	351	48.0	4.5
5	11400.00	61.4 PK	74.0	-12.6	2.33 V	333	43.2	18.2
6	11400.00	48.4 AV	54.0	-5.6	2.33 V	333	30.2	18.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	55.8 PK	74.0	-18.2	1.44 H	315	51.8	4.0
2	#5470.00	42.9 AV	54.0	-11.1	1.44 H	315	38.9	4.0
3	*5720.00	118.6 PK			1.79 H	311	78.2	40.4
4	*5720.00	108.1 AV			1.79 H	311	67.7	40.4
5	#5825.00	57.4 PK	74.0	-16.6	1.66 H	297	52.7	4.7
6	#5825.00	43.6 AV	54.0	-10.4	1.66 H	297	38.9	4.7
7	11440.00	61.3 PK	74.0	-12.7	1.88 H	321	43.0	18.3
8	11440.00	46.7 AV	54.0	-7.3	1.88 H	321	28.4	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.4 PK	74.0	-17.6	2.88 V	339	52.4	4.0
2	#5470.00	42.9 AV	54.0	-11.1	2.88 V	339	38.9	4.0
3	*5720.00	119.8 PK			2.70 V	350	79.4	40.4
4	*5720.00	109.8 AV			2.70 V	350	69.4	40.4
5	#5825.00	57.7 PK	74.0	-16.3	2.97 V	349	53.0	4.7
6	#5825.00	44.2 AV	54.0	-9.8	2.97 V	349	39.5	4.7
7	11440.00	59.4 PK	74.0	-14.6	2.83 V	354	41.1	18.3
8	11440.00	45.7 AV	54.0	-8.3	2.83 V	354	27.4	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (HT20)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	1.91 H	321	56.2	3.6
2	5150.00	48.7 AV	54.0	-5.3	1.91 H	321	45.1	3.6
3	*5260.00	119.2 PK			1.86 H	313	79.6	39.6
4	*5260.00	109.3 AV			1.86 H	313	69.7	39.6
5	#10520.00	61.8 PK	74.0	-12.2	2.01 H	277	44.8	17.0
6	#10520.00	48.6 AV	54.0	-5.4	2.01 H	277	31.6	17.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.2 PK	74.0	-16.8	1.66 V	306	53.6	3.6
2	5150.00	46.3 AV	54.0	-7.7	1.66 V	306	42.7	3.6
3	*5260.00	118.3 PK			1.81 V	340	78.7	39.6
4	*5260.00	108.1 AV			1.81 V	340	68.5	39.6
5	#10520.00	61.2 PK	74.0	-12.8	1.73 V	42	44.2	17.0
6	#10520.00	48.6 AV	54.0	-5.4	1.73 V	42	31.6	17.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	119.3 PK			1.88 H	315	79.7	39.6
2	*5300.00	109.3 AV			1.88 H	315	69.7	39.6
3	10600.00	62.3 PK	74.0	-11.7	2.26 H	120	45.2	17.1
4	10600.00	48.9 AV	54.0	-5.1	2.26 H	120	31.8	17.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	118.7 PK			1.89 V	342	79.1	39.6
2	*5300.00	108.2 AV			1.89 V	342	68.6	39.6
3	10600.00	62.5 PK	74.0	-11.5	1.75 V	22	45.4	17.1
4	10600.00	49.5 AV	54.0	-4.5	1.75 V	22	32.4	17.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	118.6 PK			1.98 H	310	78.9	39.7
2	*5320.00	108.9 AV			1.98 H	310	69.2	39.7
3	5350.00	66.5 PK	74.0	-7.5	1.89 H	312	62.6	3.9
4	5350.00	52.3 AV	54.0	-1.7	1.89 H	312	48.4	3.9
5	10640.00	63.1 PK	74.0	-10.9	2.32 H	50	45.8	17.3
6	10640.00	50.4 AV	54.0	-3.6	2.32 H	50	33.1	17.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	118.5 PK			1.77 V	341	78.8	39.7
2	*5320.00	108.5 AV			1.77 V	341	68.8	39.7
3	5350.00	67.4 PK	74.0	-6.6	1.77 V	344	63.5	3.9
4	5350.00	52.6 AV	54.0	-1.4	1.77 V	344	48.7	3.9
5	10640.00	62.6 PK	74.0	-11.4	1.99 V	300	45.3	17.3
6	10640.00	50.1 AV	54.0	-3.9	1.99 V	300	32.8	17.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.3 PK	74.0	-8.7	1.66 H	320	61.3	4.0
2	5460.00	49.7 AV	54.0	-4.3	1.66 H	320	45.7	4.0
3	#5470.00	69.5 PK	74.0	-4.5	1.57 H	310	65.5	4.0
4	#5470.00	52.0 AV	54.0	-2.0	1.57 H	310	48.0	4.0
5	*5500.00	120.2 PK			1.51 H	312	80.2	40.0
6	*5500.00	109.2 AV			1.51 H	312	69.2	40.0
7	11000.00	61.5 PK	74.0	-12.5	1.62 H	344	42.5	19.0
8	11000.00	48.0 AV	54.0	-6.0	1.62 H	344	29.0	19.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.3 PK	74.0	-15.7	2.21 V	354	54.3	4.0
2	5460.00	45.4 AV	54.0	-8.6	2.21 V	354	41.4	4.0
3	#5470.00	68.3 PK	74.0	-5.7	1.97 V	344	64.3	4.0
4	#5470.00	52.9 AV	54.0	-1.1	1.97 V	344	48.9	4.0
5	*5500.00	83.6 PK			2.75 V	345	79.4	4.2
6	*5500.00	73.2 AV			2.75 V	345	69.0	4.2
7	11000.00	62.5 PK	74.0	-11.5	1.88 V	321	43.5	19.0
8	11000.00	48.7 AV	54.0	-5.3	1.88 V	321	29.7	19.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	119.3 PK			1.49 H	314	79.2	40.1
2	*5580.00	108.3 AV			1.49 H	314	68.2	40.1
3	11160.00	61.7 PK	74.0	-12.3	1.90 H	326	43.0	18.7
4	11160.00	48.4 AV	54.0	-5.6	1.90 H	326	29.7	18.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	118.9 PK			2.17 V	333	78.8	40.1
2	*5580.00	108.5 AV			2.17 V	333	68.4	40.1
3	11160.00	61.2 PK	74.0	-12.8	1.87 V	342	42.5	18.7
4	11160.00	47.7 AV	54.0	-6.3	1.87 V	342	29.0	18.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	117.0 PK			1.97 H	309	76.7	40.3
2	*5700.00	105.6 AV			1.97 H	309	65.3	40.3
3	#5725.00	67.8 PK	74.0	-6.2	1.64 H	312	63.3	4.5
4	#5725.00	51.8 AV	54.0	-2.2	1.64 H	312	47.3	4.5
5	11400.00	62.1 PK	74.0	-11.9	1.81 H	322	43.9	18.2
6	11400.00	48.1 AV	54.0	-5.9	1.81 H	322	29.9	18.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	117.1 PK			2.82 V	346	76.8	40.3
2	*5700.00	106.8 AV			2.82 V	346	66.5	40.3
3	#5725.00	67.7 PK	74.0	-6.3	2.66 V	346	63.2	4.5
4	#5725.00	52.8 AV	54.0	-1.2	2.66 V	346	48.3	4.5
5	11400.00	62.4 PK	74.0	-11.6	2.54 V	336	44.2	18.2
6	11400.00	48.6 AV	54.0	-5.4	2.54 V	336	30.4	18.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	45.6 PK	74.0	-28.4	3.12 H	179	41.6	4.0
2	#5470.00	42.8 AV	54.0	-11.2	3.12 H	179	38.8	4.0
3	*5720.00	119.0 PK			1.41 H	316	78.6	40.4
4	*5720.00	108.3 AV			1.41 H	316	67.9	40.4
5	#5825.00	56.9 PK	74.0	-17.1	1.91 H	314	52.2	4.7
6	#5825.00	43.5 AV	54.0	-10.5	1.91 H	314	38.8	4.7
7	11440.00	60.4 PK	74.0	-13.6	1.83 H	309	42.1	18.3
8	11440.00	46.9 AV	54.0	-7.1	1.83 H	309	28.6	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.3 PK	74.0	-17.7	2.65 V	345	52.3	4.0
2	#5470.00	42.8 AV	54.0	-11.2	2.65 V	345	38.8	4.0
3	*5720.00	118.6 PK			2.94 V	342	78.2	40.4
4	*5720.00	108.4 AV			2.94 V	342	68.0	40.4
5	#5825.00	57.4 PK	74.0	-16.6	2.76 V	347	52.7	4.7
6	#5825.00	44.2 AV	54.0	-9.8	2.76 V	347	39.5	4.7
7	11440.00	60.8 PK	74.0	-13.2	2.88 V	323	42.5	18.3
8	11440.00	47.7 AV	54.0	-6.3	2.88 V	323	29.4	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (HT40)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.0 PK	74.0	-19.0	1.80 H	321	51.4	3.6
2	5150.00	42.0 AV	54.0	-12.0	1.80 H	321	38.4	3.6
3	*5270.00	116.1 PK			1.64 H	297	76.5	39.6
4	*5270.00	106.8 AV			1.64 H	297	67.2	39.6
5	#10540.00	58.5 PK	74.0	-15.5	1.79 H	297	41.4	17.1
6	#10540.00	45.4 AV	54.0	-8.6	1.79 H	297	28.3	17.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.2 PK	74.0	-17.8	1.66 V	357	52.6	3.6
2	5150.00	43.3 AV	54.0	-10.7	1.66 V	357	39.7	3.6
3	*5270.00	116.7 PK			1.50 V	350	77.1	39.6
4	*5270.00	106.8 AV			1.50 V	350	67.2	39.6
5	#10540.00	59.5 PK	74.0	-14.5	1.71 V	344	42.4	17.1
6	#10540.00	45.5 AV	54.0	-8.5	1.71 V	344	28.4	17.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	112.7 PK			1.79 H	294	73.1	39.6
2	*5310.00	103.5 AV			1.79 H	294	63.9	39.6
3	5350.00	64.4 PK	74.0	-9.6	1.65 H	301	60.5	3.9
4	5350.00	52.4 AV	54.0	-1.6	1.65 H	301	48.5	3.9
5	10620.00	59.8 PK	74.0	-14.2	1.77 H	293	42.5	17.3
6	10620.00	46.9 AV	54.0	-7.1	1.77 H	293	29.6	17.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	112.3 PK			1.42 V	347	72.7	39.6
2	*5310.00	103.0 AV			1.42 V	347	63.4	39.6
3	5350.00	63.2 PK	74.0	-10.8	1.76 V	345	59.3	3.9
4	5350.00	50.3 AV	54.0	-3.7	1.76 V	345	46.4	3.9
5	10620.00	58.4 PK	74.0	-15.6	1.69 V	321	41.1	17.3
6	10620.00	45.1 AV	54.0	-8.9	1.69 V	321	27.8	17.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.0 PK	74.0	-15.0	1.89 H	11	55.0	4.0
2	5460.00	46.5 AV	54.0	-7.5	1.89 H	11	42.5	4.0
3	#5470.00	66.3 PK	74.0	-7.7	1.83 H	6	62.3	4.0
4	#5470.00	52.2 AV	54.0	-1.8	1.83 H	6	48.2	4.0
5	*5510.00	113.1 PK			1.59 H	311	73.1	40.0
6	*5510.00	103.6 AV			1.59 H	311	63.6	40.0
7	11020.00	62.1 PK	74.0	-11.9	1.99 H	348	43.2	18.9
8	11020.00	48.7 AV	54.0	-5.3	1.99 H	348	29.8	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.5 PK	74.0	-11.5	2.55 V	357	58.5	4.0
2	5460.00	49.5 AV	54.0	-4.5	2.55 V	357	45.5	4.0
3	#5470.00	63.7 PK	74.0	-10.3	2.78 V	345	59.7	4.0
4	#5470.00	51.0 AV	54.0	-3.0	2.78 V	345	47.0	4.0
5	*5510.00	113.0 PK			2.64 V	345	73.0	40.0
6	*5510.00	103.3 AV			2.64 V	345	63.3	40.0
7	11020.00	60.7 PK	74.0	-13.3	2.33 V	321	41.8	18.9
8	11020.00	47.3 AV	54.0	-6.7	2.33 V	321	28.4	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	116.2 PK			1.42 H	310	76.2	40.0
2	*5550.00	106.6 AV			1.42 H	310	66.6	40.0
3	11100.00	60.3 PK	74.0	-13.7	1.79 H	326	41.8	18.5
4	11100.00	47.0 AV	54.0	-7.0	1.79 H	326	28.5	18.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	116.2 PK			2.71 V	342	76.2	40.0
2	*5550.00	106.6 AV			2.71 V	342	66.6	40.0
3	11100.00	60.4 PK	74.0	-13.6	2.33 V	333	41.9	18.5
4	11100.00	47.1 AV	54.0	-6.9	2.33 V	333	28.6	18.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	113.4 PK			1.68 H	310	73.1	40.3
2	*5670.00	103.9 AV			1.68 H	310	63.6	40.3
3	#5725.00	69.1 PK	74.0	-4.9	1.72 H	316	64.6	4.5
4	#5725.00	50.8 AV	54.0	-3.2	1.72 H	316	46.3	4.5
5	11340.00	58.9 PK	74.0	-15.1	1.78 H	332	40.5	18.4
6	11340.00	47.7 AV	54.0	-6.3	1.78 H	332	29.3	18.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	114.1 PK			2.87 V	341	73.8	40.3
2	*5670.00	104.6 AV			2.87 V	341	64.3	40.3
3	#5725.00	67.0 PK	74.0	-7.0	2.92 V	338	62.5	4.5
4	#5725.00	52.3 AV	54.0	-1.7	2.92 V	338	47.8	4.5
5	11340.00	60.9 PK	74.0	-13.1	2.22 V	339	42.5	18.4
6	11340.00	47.4 AV	54.0	-6.6	2.22 V	339	29.0	18.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.2 PK	74.0	-17.8	1.88 H	319	52.2	4.0
2	#5470.00	42.6 AV	54.0	-11.4	1.88 H	319	38.6	4.0
3	*5710.00	116.0 PK			1.75 H	308	75.6	40.4
4	*5710.00	105.9 AV			1.75 H	308	65.5	40.4
5	#5825.00	57.7 PK	74.0	-16.3	1.91 H	321	53.0	4.7
6	#5825.00	44.2 AV	54.0	-9.8	1.91 H	321	39.5	4.7
7	11420.00	60.1 PK	74.0	-13.9	1.75 H	339	41.9	18.2
8	11420.00	47.1 AV	54.0	-6.9	1.75 H	339	28.9	18.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.2 PK	74.0	-17.8	2.99 V	354	52.2	4.0
2	#5470.00	43.0 AV	54.0	-11.0	2.99 V	354	39.0	4.0
3	*5710.00	117.4 PK			2.80 V	342	77.0	40.4
4	*5710.00	106.8 AV			2.80 V	342	66.4	40.4
5	#5825.00	57.6 PK	74.0	-16.4	2.79 V	349	52.9	4.7
6	#5825.00	44.5 AV	54.0	-9.5	2.79 V	349	39.8	4.7
7	11420.00	61.8 PK	74.0	-12.2	2.73 V	357	43.6	18.2
8	11420.00	47.3 AV	54.0	-6.7	2.73 V	357	29.1	18.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT80)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	108.8 PK			1.62 H	315	69.2	39.6
2	*5290.00	98.4 AV			1.62 H	315	58.8	39.6
3	5350.00	66.3 PK	74.0	-7.7	1.54 H	314	62.4	3.9
4	5350.00	52.4 AV	54.0	-1.6	1.54 H	314	48.5	3.9
5	#10580.00	60.3 PK	74.0	-13.7	1.77 H	296	43.1	17.2
6	#10580.00	46.9 AV	54.0	-7.1	1.77 H	296	29.7	17.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	107.6 PK			1.47 V	344	68.0	39.6
2	*5290.00	98.1 AV			1.47 V	344	58.5	39.6
3	5350.00	64.1 PK	74.0	-9.9	1.66 V	333	60.2	3.9
4	5350.00	49.8 AV	54.0	-4.2	1.66 V	333	45.9	3.9
5	#10580.00	58.6 PK	74.0	-15.4	1.58 V	327	41.4	17.2
6	#10580.00	45.7 AV	54.0	-8.3	1.58 V	327	28.5	17.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.0 PK	74.0	-12.0	1.66 H	320	58.0	4.0
2	5460.00	49.7 AV	54.0	-4.3	1.66 H	320	45.7	4.0
3	#5470.00	66.3 PK	74.0	-7.7	1.47 H	310	62.3	4.0
4	#5470.00	52.5 AV	54.0	-1.5	1.47 H	310	48.5	4.0
5	*5530.00	109.5 PK			1.65 H	308	69.5	40.0
6	*5530.00	99.8 AV			1.65 H	308	59.8	40.0
7	#5725.00	57.5 PK	74.0	-16.5	1.55 H	317	53.0	4.5
8	#5725.00	43.9 AV	54.0	-10.1	1.55 H	317	39.4	4.5
9	11060.00	60.5 PK	74.0	-13.5	1.74 H	344	41.9	18.6
10	11060.00	47.1 AV	54.0	-6.9	1.74 H	344	28.5	18.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.7 PK	74.0	-13.3	1.90 V	352	56.7	4.0
2	5460.00	48.6 AV	54.0	-5.4	1.90 V	352	44.6	4.0
3	#5470.00	66.7 PK	74.0	-7.3	1.82 V	340	62.7	4.0
4	#5470.00	52.0 AV	54.0	-2.0	1.82 V	340	48.0	4.0
5	*5530.00	108.8 PK			2.62 V	349	68.8	40.0
6	*5530.00	99.5 AV			2.62 V	349	59.5	40.0
7	#5725.00	57.2 PK	74.0	-16.8	1.69 V	357	52.7	4.5
8	#5725.00	44.0 AV	54.0	-10.0	1.69 V	357	39.5	4.5
9	11060.00	60.6 PK	74.0	-13.4	2.01 V	303	42.0	18.6
10	11060.00	47.0 AV	54.0	-7.0	2.01 V	303	28.4	18.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.4 PK	74.0	-16.6	1.97 H	323	53.4	4.0
2	5460.00	44.5 AV	54.0	-9.5	1.97 H	323	40.5	4.0
3	#5470.00	61.2 PK	74.0	-12.8	1.77 H	313	57.2	4.0
4	#5470.00	48.0 AV	54.0	-6.0	1.77 H	313	44.0	4.0
5	*5610.00	111.4 PK			1.56 H	313	71.2	40.2
6	*5610.00	101.4 AV			1.56 H	313	61.2	40.2
7	#5725.00	68.7 PK	74.0	-5.3	1.80 H	309	64.2	4.5
8	#5725.00	51.5 AV	54.0	-2.5	1.80 H	309	47.0	4.5
9	11220.00	59.3 PK	74.0	-14.7	1.88 H	319	40.4	18.9
10	11220.00	46.1 AV	54.0	-7.9	1.88 H	319	27.2	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.4 PK	74.0	-14.6	2.22 V	333	55.4	4.0
2	5460.00	46.3 AV	54.0	-7.7	2.22 V	333	42.3	4.0
3	#5470.00	63.0 PK	74.0	-11.0	2.56 V	342	59.0	4.0
4	#5470.00	47.7 AV	54.0	-6.3	2.56 V	342	43.7	4.0
5	*5610.00	111.5 PK			2.32 V	353	71.3	40.2
6	*5610.00	101.9 AV			2.32 V	353	61.7	40.2
7	#5725.00	67.7 PK	74.0	-6.3	2.43 V	349	63.2	4.5
8	#5725.00	52.5 AV	54.0	-1.5	2.43 V	349	48.0	4.5
9	11220.00	60.3 PK	74.0	-13.7	1.99 V	311	41.4	18.9
10	11220.00	46.9 AV	54.0	-7.1	1.99 V	311	28.0	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	55.5 PK	74.0	-18.5	1.77 H	333	51.5	4.0
2	#5470.00	43.3 AV	54.0	-10.7	1.77 H	333	39.3	4.0
3	*5690.00	112.0 PK			1.72 H	311	71.7	40.3
4	*5690.00	102.3 AV			1.72 H	311	62.0	40.3
5	#5825.00	64.2 PK	74.0	-9.8	1.73 H	304	59.5	4.7
6	#5825.00	49.7 AV	54.0	-4.3	1.73 H	304	45.0	4.7
7	11380.00	60.3 PK	74.0	-13.7	1.89 H	311	42.0	18.3
8	11380.00	47.3 AV	54.0	-6.7	1.89 H	311	29.0	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.5 PK	74.0	-17.5	2.55 V	333	52.5	4.0
2	#5470.00	43.3 AV	54.0	-10.7	2.55 V	333	39.3	4.0
3	*5690.00	112.5 PK			2.62 V	350	72.2	40.3
4	*5690.00	103.3 AV			2.62 V	350	63.0	40.3
5	#5825.00	63.9 PK	74.0	-10.1	2.61 V	340	59.2	4.7
6	#5825.00	49.9 AV	54.0	-4.1	2.61 V	340	45.2	4.7
7	11380.00	60.1 PK	74.0	-13.9	2.11 V	321	41.8	18.3
8	11380.00	46.9 AV	54.0	-7.1	2.11 V	321	28.6	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Mode E

802.11a

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.9 PK	74.0	-16.1	1.51 H	357	56.2	1.7
2	5150.00	44.6 AV	54.0	-9.4	1.51 H	357	42.9	1.7
3	*5260.00	115.8 PK			1.70 H	340	76.1	39.7
4	*5260.00	104.9 AV			1.70 H	340	65.2	39.7
5	#10520.00	58.4 PK	74.0	-15.6	1.60 H	341	44.4	14.0
6	#10520.00	45.4 AV	54.0	-8.6	1.60 H	341	31.4	14.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.3 PK	74.0	-16.7	1.59 V	352	55.6	1.7
2	5150.00	45.7 AV	54.0	-8.3	1.59 V	352	44.0	1.7
3	*5260.00	114.8 PK			1.89 V	355	75.1	39.7
4	*5260.00	104.8 AV			1.89 V	355	65.1	39.7
5	#10520.00	59.0 PK	74.0	-15.0	1.76 V	343	45.0	14.0
6	#10520.00	45.6 AV	54.0	-8.4	1.76 V	343	31.6	14.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	117.0 PK			1.80 H	344	77.2	39.8
2	*5300.00	105.9 AV			1.80 H	344	66.1	39.8
3	10600.00	59.6 PK	74.0	-14.4	1.62 H	339	45.4	14.2
4	10600.00	47.0 AV	54.0	-7.0	1.62 H	339	32.8	14.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	113.1 PK			1.56 V	352	73.3	39.8
2	*5300.00	103.0 AV			1.56 V	352	63.2	39.8
3	10600.00	59.6 PK	74.0	-14.4	1.71 V	349	45.4	14.2
4	10600.00	46.6 AV	54.0	-7.4	1.71 V	349	32.4	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	116.2 PK			2.19 H	350	76.3	39.9
2	*5320.00	105.1 AV			2.19 H	350	65.2	39.9
3	5350.00	63.9 PK	74.0	-10.1	1.77 H	349	62.0	1.9
4	5350.00	49.5 AV	54.0	-4.5	1.77 H	349	47.6	1.9
5	10640.00	59.7 PK	74.0	-14.3	1.82 H	352	45.5	14.2
6	10640.00	47.1 AV	54.0	-6.9	1.82 H	352	32.9	14.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	115.5 PK			1.95 V	359	75.6	39.9
2	*5320.00	104.7 AV			1.95 V	359	64.8	39.9
3	5350.00	60.5 PK	74.0	-13.5	1.77 V	347	58.6	1.9
4	5350.00	48.4 AV	54.0	-5.6	1.77 V	347	46.5	1.9
5	10640.00	59.7 PK	74.0	-14.3	1.82 V	333	45.5	14.2
6	10640.00	46.1 AV	54.0	-7.9	1.82 V	333	31.9	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	60.1 PK	74.0	-13.9	1.82 H	345	57.3	2.8
2	5424.00	51.1 AV	54.0	-2.9	1.82 H	345	48.3	2.8
3	#5470.00	59.5 PK	74.0	-14.5	1.82 H	345	56.8	2.7
4	#5470.00	47.4 AV	54.0	-6.6	1.82 H	345	44.7	2.7
5	*5500.00	117.0 PK			1.61 H	348	76.3	40.7
6	*5500.00	106.7 AV			1.61 H	348	66.0	40.7
7	11000.00	58.8 PK	74.0	-15.2	1.66 H	356	44.1	14.7
8	11000.00	44.8 AV	54.0	-9.2	1.66 H	356	30.1	14.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	58.6 PK	74.0	-15.4	2.02 V	349	55.8	2.8
2	5424.00	46.9 AV	54.0	-7.1	2.02 V	349	44.1	2.8
3	#5470.00	61.1 PK	74.0	-12.9	2.02 V	349	58.4	2.7
4	#5470.00	49.0 AV	54.0	-5.0	2.02 V	349	46.3	2.7
5	*5500.00	115.6 PK			1.64 V	357	74.9	40.7
6	*5500.00	105.4 AV			1.64 V	357	64.7	40.7
7	11000.00	58.4 PK	74.0	-15.6	1.69 V	325	43.7	14.7
8	11000.00	45.4 AV	54.0	-8.6	1.69 V	325	30.7	14.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	116.5 PK			1.92 H	354	75.8	40.7
2	*5580.00	106.3 AV			1.92 H	354	65.6	40.7
3	11160.00	60.3 PK	74.0	-13.7	1.77 H	344	45.6	14.7
4	11160.00	46.7 AV	54.0	-7.3	1.77 H	344	32.0	14.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	115.4 PK			1.76 V	345	74.7	40.7
2	*5580.00	104.9 AV			1.76 V	345	64.2	40.7
3	11160.00	59.0 PK	74.0	-15.0	1.83 V	357	44.3	14.7
4	11160.00	45.6 AV	54.0	-8.4	1.83 V	357	30.9	14.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	115.1 PK			1.93 H	358	73.9	41.2
2	*5700.00	105.4 AV			1.93 H	358	64.2	41.2
3	#5725.00	65.2 PK	74.0	-8.8	1.89 H	349	61.8	3.4
4	#5725.00	52.3 AV	54.0	-1.7	1.89 H	349	48.9	3.4
5	11400.00	59.6 PK	74.0	-14.4	1.99 H	333	45.4	14.2
6	11400.00	46.2 AV	54.0	-7.8	1.99 H	333	32.0	14.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	115.4 PK			1.77 V	349	74.2	41.2
2	*5700.00	104.1 AV			1.77 V	349	62.9	41.2
3	#5725.00	64.4 PK	74.0	-9.6	1.76 V	356	61.0	3.4
4	#5725.00	50.9 AV	54.0	-3.1	1.76 V	356	47.5	3.4
5	11400.00	59.1 PK	74.0	-14.9	1.63 V	351	44.9	14.2
6	11400.00	45.9 AV	54.0	-8.1	1.63 V	351	31.7	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.0 PK	74.0	-18.0	1.99 H	23	52.0	4.0
2	#5470.00	42.4 AV	54.0	-11.6	1.99 H	23	38.4	4.0
3	*5720.00	124.5 PK			2.24 H	5	84.1	40.4
4	*5720.00	113.7 AV			2.24 H	5	73.3	40.4
5	#5825.00	62.2 PK	74.0	-11.8	2.09 H	13	57.5	4.7
6	#5825.00	45.0 AV	54.0	-9.0	2.09 H	13	40.3	4.7
7	11440.00	60.8 PK	74.0	-13.2	1.56 H	43	42.5	18.3
8	11440.00	47.5 AV	54.0	-6.5	1.56 H	43	29.2	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.0 PK	74.0	-18.0	1.33 V	333	52.0	4.0
2	#5470.00	42.4 AV	54.0	-11.6	1.33 V	333	38.4	4.0
3	*5720.00	115.0 PK			1.27 V	342	74.6	40.4
4	*5720.00	104.4 AV			1.27 V	342	64.0	40.4
5	#5825.00	58.0 PK	74.0	-16.0	1.40 V	340	53.3	4.7
6	#5825.00	44.3 AV	54.0	-9.7	1.40 V	340	39.6	4.7
7	11440.00	60.5 PK	74.0	-13.5	1.56 V	356	42.2	18.3
8	11440.00	47.3 AV	54.0	-6.7	1.56 V	356	29.0	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (HT20)

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.2 PK	74.0	-16.8	1.67 H	341	55.5	1.7
2	5150.00	44.3 AV	54.0	-9.7	1.67 H	341	42.6	1.7
3	*5260.00	115.1 PK			1.88 H	350	75.4	39.7
4	*5260.00	103.9 AV			1.88 H	350	64.2	39.7
5	#10520.00	59.2 PK	74.0	-14.8	1.77 H	357	45.2	14.0
6	#10520.00	46.6 AV	54.0	-7.4	1.77 H	357	32.6	14.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.3 PK	74.0	-17.7	1.75 V	353	54.6	1.7
2	5150.00	45.1 AV	54.0	-8.9	1.75 V	353	43.4	1.7
3	*5260.00	114.7 PK			1.93 V	355	75.0	39.7
4	*5260.00	103.8 AV			1.93 V	355	64.1	39.7
5	10620.00	60.1 PK	74.0	-13.9	1.76 V	343	45.9	14.2
6	10620.00	46.9 AV	54.0	-7.1	1.76 V	343	32.7	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 60	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	115.0 PK			2.08 H	348	75.2	39.8
2	*5300.00	104.9 AV			2.08 H	348	65.1	39.8
3	10600.00	59.9 PK	74.0	-14.1	1.99 H	344	45.7	14.2
4	10600.00	46.0 AV	54.0	-8.0	1.99 H	344	31.8	14.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	114.6 PK			1.84 V	353	74.8	39.8
2	*5300.00	104.1 AV			1.84 V	353	64.3	39.8
3	10600.00	60.1 PK	74.0	-13.9	1.67 V	349	45.9	14.2
4	10600.00	46.6 AV	54.0	-7.4	1.67 V	349	32.4	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	116.3 PK			1.94 H	354	76.4	39.9
2	*5320.00	104.9 AV			1.94 H	354	65.0	39.9
3	5350.00	64.4 PK	74.0	-9.6	2.06 H	351	62.5	1.9
4	5350.00	50.0 AV	54.0	-4.0	2.06 H	351	48.1	1.9
5	10640.00	60.7 PK	74.0	-13.3	1.89 H	349	46.5	14.2
6	10640.00	47.2 AV	54.0	-6.8	1.89 H	349	33.0	14.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	114.9 PK			1.77 V	358	75.0	39.9
2	*5320.00	104.6 AV			1.77 V	358	64.7	39.9
3	5350.00	59.9 PK	74.0	-14.1	1.79 V	359	58.0	1.9
4	5350.00	48.9 AV	54.0	-5.1	1.79 V	359	47.0	1.9
5	10640.00	58.9 PK	74.0	-15.1	1.93 V	146	44.7	14.2
6	10640.00	46.6 AV	54.0	-7.4	1.93 V	146	32.4	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 100	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	61.9 PK	74.0	-12.1	1.73 H	350	59.1	2.8
2	5424.00	51.6 AV	54.0	-2.4	1.73 H	350	48.8	2.8
3	#5470.00	62.1 PK	74.0	-11.9	1.73 H	350	59.4	2.7
4	#5470.00	50.3 AV	54.0	-3.7	1.73 H	350	47.6	2.7
5	*5500.00	117.6 PK			1.51 H	348	76.9	40.7
6	*5500.00	106.3 AV			1.51 H	348	65.6	40.7
7	11000.00	60.8 PK	74.0	-13.2	1.89 H	354	46.1	14.7
8	11000.00	46.8 AV	54.0	-7.2	1.89 H	354	32.1	14.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5424.00	58.7 PK	74.0	-15.3	1.77 V	357	55.9	2.8
2	5424.00	46.3 AV	54.0	-7.7	1.77 V	357	43.5	2.8
3	#5470.00	61.1 PK	74.0	-12.9	1.77 V	357	58.4	2.7
4	#5470.00	49.7 AV	54.0	-4.3	1.77 V	357	47.0	2.7
5	*5500.00	115.3 PK			1.88 V	352	74.6	40.7
6	*5500.00	105.0 AV			1.88 V	352	64.3	40.7
7	11000.00	61.2 PK	74.0	-12.8	1.82 V	349	46.5	14.7
8	11000.00	47.4 AV	54.0	-6.6	1.82 V	349	32.7	14.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 116	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	117.3 PK			1.92 H	354	76.6	40.7
2	*5580.00	106.5 AV			1.92 H	354	65.8	40.7
3	11160.00	59.8 PK	74.0	-14.2	1.68 H	344	45.1	14.7
4	11160.00	46.9 AV	54.0	-7.1	1.68 H	344	32.2	14.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	115.7 PK			1.89 V	349	75.0	40.7
2	*5580.00	104.8 AV			1.89 V	349	64.1	40.7
3	11160.00	61.4 PK	74.0	-12.6	1.92 V	342	46.7	14.7
4	11160.00	47.2 AV	54.0	-6.8	1.92 V	342	32.5	14.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	117.0 PK			1.92 H	355	75.8	41.2
2	*5700.00	105.8 AV			1.92 H	355	64.6	41.2
3	#5725.00	65.7 PK	74.0	-8.3	2.06 H	350	62.3	3.4
4	#5725.00	52.4 AV	54.0	-1.6	2.06 H	350	49.0	3.4
5	11400.00	59.5 PK	74.0	-14.5	1.93 H	350	45.3	14.2
6	11400.00	46.3 AV	54.0	-7.7	1.93 H	350	32.1	14.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	115.8 PK			2.02 V	354	74.6	41.2
2	*5700.00	105.0 AV			2.02 V	354	63.8	41.2
3	#5725.00	63.5 PK	74.0	-10.5	1.94 V	352	60.1	3.4
4	#5725.00	52.3 AV	54.0	-1.7	1.94 V	352	48.9	3.4
5	11400.00	60.0 PK	74.0	-14.0	1.87 V	349	45.8	14.2
6	11400.00	46.9 AV	54.0	-7.1	1.87 V	349	32.7	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 144	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	55.5 PK	74.0	-18.5	1.93 H	11	51.5	4.0
2	#5470.00	42.3 AV	54.0	-11.7	1.93 H	11	38.3	4.0
3	*5720.00	116.5 PK			1.74 H	10	76.1	40.4
4	*5720.00	105.4 AV			1.74 H	10	65.0	40.4
5	#5825.00	58.9 PK	74.0	-15.1	1.77 H	23	54.2	4.7
6	#5825.00	44.5 AV	54.0	-9.5	1.77 H	23	39.8	4.7
7	11440.00	60.8 PK	74.0	-13.2	1.77 H	43	42.5	18.3
8	11440.00	47.6 AV	54.0	-6.4	1.77 H	43	29.3	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.0 PK	74.0	-18.0	1.49 V	350	52.0	4.0
2	#5470.00	42.2 AV	54.0	-11.8	1.49 V	350	38.2	4.0
3	*5720.00	115.6 PK			1.33 V	340	75.2	40.4
4	*5720.00	104.4 AV			1.33 V	340	64.0	40.4
5	#5825.00	58.3 PK	74.0	-15.7	1.34 V	344	53.6	4.7
6	#5825.00	44.3 AV	54.0	-9.7	1.34 V	344	39.6	4.7
7	11440.00	60.4 PK	74.0	-13.6	1.62 V	322	42.1	18.3
8	11440.00	47.2 AV	54.0	-6.8	1.62 V	322	28.9	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11n (HT40)

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.2 PK	74.0	-16.8	1.70 H	351	55.5	1.7
2	5150.00	45.0 AV	54.0	-9.0	1.70 H	351	43.3	1.7
3	*5270.00	112.8 PK			1.53 H	347	73.1	39.7
4	*5270.00	103.2 AV			1.53 H	347	63.5	39.7
5	#10540.00	59.3 PK	74.0	-14.7	1.78 H	345	45.2	14.1
6	#10540.00	46.0 AV	54.0	-8.0	1.78 H	345	31.9	14.1

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.1 PK	74.0	-16.9	1.85 V	356	55.4	1.7
2	5150.00	44.8 AV	54.0	-9.2	1.85 V	356	43.1	1.7
3	*5270.00	109.8 PK			1.54 V	348	70.1	39.7
4	*5270.00	102.2 AV			1.54 V	348	62.5	39.7
5	#10540.00	59.5 PK	74.0	-14.5	1.48 V	347	45.4	14.1
6	#10540.00	45.8 AV	54.0	-8.2	1.48 V	347	31.7	14.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	111.4 PK			1.58 H	348	71.6	39.8
2	*5310.00	101.9 AV			1.58 H	348	62.1	39.8
3	5350.00	64.1 PK	74.0	-9.9	1.74 H	351	62.2	1.9
4	5350.00	52.5 AV	54.0	-1.5	1.74 H	351	50.6	1.9
5	10620.00	60.4 PK	74.0	-13.6	1.80 H	347	46.2	14.2
6	10620.00	46.8 AV	54.0	-7.2	1.80 H	347	32.6	14.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	109.6 PK			1.73 V	352	69.8	39.8
2	*5310.00	100.2 AV			1.73 V	352	60.4	39.8
3	5350.00	63.7 PK	74.0	-10.3	1.90 V	349	61.8	1.9
4	5350.00	51.2 AV	54.0	-2.8	1.90 V	349	49.3	1.9
5	10620.00	59.5 PK	74.0	-14.5	1.65 V	344	45.3	14.2
6	10620.00	46.6 AV	54.0	-7.4	1.65 V	344	32.4	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.5 PK	74.0	-11.5	1.84 H	335	60.5	2.0
2	5460.00	49.5 AV	54.0	-4.5	1.84 H	335	47.5	2.0
3	#5470.00	66.8 PK	74.0	-7.2	2.12 H	354	64.8	2.0
4	#5470.00	52.4 AV	54.0	-1.6	2.12 H	354	50.4	2.0
5	*5510.00	111.9 PK			2.00 H	351	71.8	40.1
6	*5510.00	102.4 AV			2.00 H	351	62.3	40.1
7	11020.00	60.5 PK	74.0	-13.5	2.43 H	287	44.8	15.7
8	11020.00	47.2 AV	54.0	-6.8	2.43 H	287	31.5	15.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.5 PK	74.0	-11.5	1.67 V	303	60.5	2.0
2	5460.00	49.4 AV	54.0	-4.6	1.67 V	303	47.4	2.0
3	#5470.00	65.7 PK	74.0	-8.3	1.14 V	354	63.7	2.0
4	#5470.00	51.9 AV	54.0	-2.1	1.14 V	354	49.9	2.0
5	*5510.00	112.3 PK			1.75 V	351	72.2	40.1
6	*5510.00	102.2 AV			1.75 V	351	62.1	40.1
7	11020.00	60.5 PK	74.0	-13.5	2.01 V	212	44.8	15.7
8	11020.00	47.9 AV	54.0	-6.1	2.01 V	212	32.2	15.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 110	DETECTOR	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz	FUNCTION	Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	112.0 PK			1.36 H	352	71.9	40.1
2	*5550.00	102.2 AV			1.36 H	352	62.1	40.1
3	11100.00	60.4 PK	74.0	-13.6	2.28 H	139	45.4	15.0
4	11100.00	47.2 AV	54.0	-6.8	2.28 H	139	32.2	15.0

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	112.4 PK			1.12 V	349	72.3	40.1
2	*5550.00	103.2 AV			1.12 V	349	63.1	40.1
3	11100.00	61.8 PK	74.0	-12.2	1.44 V	216	46.8	15.0
4	11100.00	47.4 AV	54.0	-6.6	1.44 V	216	32.4	15.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	111.9 PK			1.57 H	358	71.4	40.5
2	*5670.00	102.0 AV			1.57 H	358	61.5	40.5
3	#5725.00	63.2 PK	74.0	-10.8	1.89 H	358	60.4	2.8
4	#5725.00	50.4 AV	54.0	-3.6	1.89 H	358	47.6	2.8
5	11340.00	61.3 PK	74.0	-12.7	1.24 H	273	46.1	15.2
6	11340.00	48.0 AV	54.0	-6.0	1.24 H	273	32.8	15.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	112.0 PK			1.05 V	343	71.5	40.5
2	*5670.00	102.0 AV			1.05 V	343	61.5	40.5
3	#5725.00	64.0 PK	74.0	-10.0	1.24 V	350	61.2	2.8
4	#5725.00	50.2 AV	54.0	-3.8	1.24 V	350	47.4	2.8
5	11340.00	61.1 PK	74.0	-12.9	1.18 V	224	45.9	15.2
6	11340.00	47.9 AV	54.0	-6.1	1.18 V	224	32.7	15.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 142	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	55.5 PK	74.0	-18.5	1.66 H	11	51.5	4.0
2	#5470.00	42.4 AV	54.0	-11.6	1.66 H	11	38.4	4.0
3	*5710.00	112.5 PK			1.43 H	5	72.1	40.4
4	*5710.00	103.2 AV			1.43 H	5	62.8	40.4
5	#5825.00	58.3 PK	74.0	-15.7	1.55 H	23	53.6	4.7
6	#5825.00	44.7 AV	54.0	-9.3	1.55 H	23	40.0	4.7
7	11420.00	60.4 PK	74.0	-13.6	1.54 H	55	42.2	18.2
8	11420.00	47.5 AV	54.0	-6.5	1.54 H	55	29.3	18.2

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	55.8 PK	74.0	-18.2	1.62 V	357	51.8	4.0
2	#5470.00	42.4 AV	54.0	-11.6	1.62 V	357	38.4	4.0
3	*5710.00	111.6 PK			1.23 V	349	71.2	40.4
4	*5710.00	101.9 AV			1.23 V	349	61.5	40.4
5	#5825.00	57.8 PK	74.0	-16.2	1.39 V	342	53.1	4.7
6	#5825.00	44.5 AV	54.0	-9.5	1.39 V	342	39.8	4.7
7	11420.00	59.5 PK	74.0	-14.5	1.68 V	323	41.3	18.2
8	11420.00	46.3 AV	54.0	-7.7	1.68 V	323	28.1	18.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT80)

CHANNEL	TX Channel 58	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	108.9 PK			1.70 H	350	69.1	39.8
2	*5290.00	98.9 AV			1.70 H	350	59.1	39.8
3	5350.00	65.9 PK	74.0	-8.1	1.73 H	349	64.0	1.9
4	5350.00	52.4 AV	54.0	-1.6	1.73 H	349	50.5	1.9
5	#10580.00	58.5 PK	74.0	-15.5	1.82 H	344	44.3	14.2
6	#10580.00	46.7 AV	54.0	-7.3	1.82 H	344	32.5	14.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	108.5 PK			1.79 V	356	68.7	39.8
2	*5290.00	98.8 AV			1.79 V	356	59.0	39.8
3	5350.00	59.8 PK	74.0	-14.2	1.76 V	353	57.9	1.9
4	5350.00	47.5 AV	54.0	-6.5	1.76 V	353	45.6	1.9
5	#10580.00	60.3 PK	74.0	-13.7	1.79 V	347	46.1	14.2
6	#10580.00	46.7 AV	54.0	-7.3	1.79 V	347	32.5	14.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	64.3 PK	74.0	-9.7	1.91 H	304	62.3	2.0
2	5460.00	52.0 AV	54.0	-2.0	1.91 H	304	50.0	2.0
3	#5470.00	65.9 PK	74.0	-8.1	1.68 H	347	63.9	2.0
4	#5470.00	52.5 AV	54.0	-1.5	1.68 H	347	50.5	2.0
5	*5530.00	108.1 PK			1.69 H	344	68.0	40.1
6	*5530.00	98.3 AV			1.69 H	344	58.2	40.1
7	#5725.00	59.5 PK	74.0	-14.5	1.70 H	356	56.7	2.8
8	#5725.00	46.6 AV	54.0	-7.4	1.70 H	356	43.8	2.8
9	11060.00	60.1 PK	74.0	-13.9	1.27 H	193	44.8	15.3
10	11060.00	47.5 AV	54.0	-6.5	1.27 H	193	32.2	15.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.9 PK	74.0	-11.1	1.33 V	328	60.9	2.0
2	5460.00	51.4 AV	54.0	-2.6	1.33 V	328	49.4	2.0
3	#5470.00	67.0 PK	74.0	-7.0	1.15 V	355	65.0	2.0
4	#5470.00	52.4 AV	54.0	-1.6	1.15 V	355	50.4	2.0
5	*5530.00	109.8 PK			1.14 V	350	69.7	40.1
6	*5530.00	99.2 AV			1.14 V	350	59.1	40.1
7	#5725.00	59.4 PK	74.0	-14.6	1.35 V	351	56.6	2.8
8	#5725.00	46.3 AV	54.0	-7.7	1.35 V	351	43.5	2.8
9	11060.00	60.6 PK	74.0	-13.4	1.44 V	217	45.3	15.3
10	11060.00	47.2 AV	54.0	-6.8	1.44 V	217	31.9	15.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 122	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	64.8 PK	74.0	-9.2	2.13 H	33	60.8	4.0
2	5460.00	42.7 AV	54.0	-11.3	2.13 H	33	38.7	4.0
3	#5470.00	56.4 PK	74.0	-17.6	2.22 H	51	52.4	4.0
4	#5470.00	44.0 AV	54.0	-10.0	2.22 H	51	40.0	4.0
5	*5610.00	108.6 PK			2.09 H	2	68.4	40.2
6	*5610.00	98.4 AV			2.09 H	2	58.2	40.2
7	#5725.00	61.6 PK	74.0	-12.4	1.89 H	54	57.1	4.5
8	#5725.00	47.3 AV	54.0	-6.7	1.89 H	54	42.8	4.5
9	11220.00	59.8 PK	74.0	-14.2	1.77 H	111	40.9	18.9
10	11220.00	46.5 AV	54.0	-7.5	1.77 H	111	27.6	18.9

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.0 PK	74.0	-15.0	1.55 V	349	55.0	4.0
2	5460.00	45.3 AV	54.0	-8.7	1.55 V	349	41.3	4.0
3	#5470.00	59.3 PK	74.0	-14.7	1.40 V	347	55.3	4.0
4	#5470.00	46.4 AV	54.0	-7.6	1.40 V	347	42.4	4.0
5	*5610.00	107.6 PK			1.66 V	350	67.4	40.2
6	*5610.00	97.5 AV			1.66 V	350	57.3	40.2
7	11220.00	60.2 PK	74.0	-13.8	1.53 V	336	41.3	18.9
8	11220.00	47.0 AV	54.0	-7.0	1.53 V	336	28.1	18.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

CHANNEL	TX Channel 138	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.0 PK	74.0	-18.0	2.19 H	22	52.0	4.0
2	#5470.00	43.1 AV	54.0	-10.9	2.19 H	22	39.1	4.0
3	*5690.00	108.7 PK			1.51 H	11	68.4	40.3
4	*5690.00	98.8 AV			1.51 H	11	58.5	40.3
5	#5825.00	62.1 PK	74.0	-11.9	1.92 H	23	57.4	4.7
6	#5825.00	48.2 AV	54.0	-5.8	1.92 H	23	43.5	4.7
7	11380.00	60.2 PK	74.0	-13.8	1.99 H	55	41.9	18.3
8	11380.00	46.5 AV	54.0	-7.5	1.99 H	55	28.2	18.3

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.0 PK	74.0	-17.0	1.44 V	333	53.0	4.0
2	#5470.00	43.4 AV	54.0	-10.6	1.44 V	333	39.4	4.0
3	*5690.00	108.5 PK			1.32 V	343	68.2	40.3
4	*5690.00	98.4 AV			1.32 V	343	58.1	40.3
5	#5825.00	60.9 PK	74.0	-13.1	1.53 V	339	56.2	4.7
6	#5825.00	47.6 AV	54.0	-6.4	1.53 V	339	42.9	4.7
7	11380.00	61.2 PK	74.0	-12.8	1.44 V	356	42.9	18.3
8	11380.00	47.3 AV	54.0	-6.7	1.44 V	356	29.0	18.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

Below 1GHz Worst-Case Data: 802.11a

Mode A

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	57.12	27.4 QP	40.0	-12.6	2.00 H	188	42.0	-14.6
2	97.95	27.5 QP	43.5	-16.0	2.00 H	211	46.3	-18.8
3	162.11	27.8 QP	43.5	-15.7	2.00 H	239	41.7	-13.9
4	208.77	24.5 QP	43.5	-19.0	1.00 H	14	41.1	-16.6
5	276.82	20.6 QP	46.0	-25.4	1.00 H	96	33.8	-13.2
6	650.13	27.8 QP	46.0	-18.2	1.00 H	66	34.6	-6.8

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	35.24	35.7 QP	40.0	-4.3	1.00 V	155	51.6	-15.9
2	62.95	32.1 QP	40.0	-7.9	1.00 V	9	47.3	-15.2
3	142.67	27.0 QP	43.5	-16.5	1.00 V	152	41.2	-14.2
4	214.61	22.1 QP	43.5	-21.4	1.00 V	95	38.3	-16.2
5	372.09	20.7 QP	46.0	-25.3	1.00 V	132	32.4	-11.7
6	624.85	33.8 QP	46.0	-12.2	2.00 V	25	40.8	-7.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

Mode B

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	57.12	26.9 QP	40.0	-13.1	1.99 H	206	41.5	-14.6
2	125.17	26.5 QP	43.5	-17.0	1.49 H	113	42.3	-15.8
3	179.61	26.1 QP	43.5	-17.4	1.99 H	64	41.2	-15.1
4	267.10	19.2 QP	46.0	-26.8	1.00 H	140	33.0	-13.8
5	383.76	24.8 QP	46.0	-21.2	1.00 H	256	36.3	-11.5
6	595.69	30.7 QP	46.0	-15.3	1.49 H	53	38.3	-7.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	35.19	34.6 QP	40.0	-5.4	1.00 V	216	50.5	-15.9
2	61.01	34.4 QP	40.0	-5.6	1.01 V	20	49.4	-15.0
3	173.78	26.2 QP	43.5	-17.3	1.01 V	157	40.6	-14.4
4	284.60	17.7 QP	46.0	-28.3	1.51 V	169	30.7	-13.0
5	383.76	23.1 QP	46.0	-22.9	1.01 V	225	34.6	-11.5
6	591.80	30.1 QP	46.0	-15.9	1.51 V	193	37.8	-7.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

Mode C

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	70.73	25.7 QP	40.0	-14.3	1.50 H	189	42.1	-16.4
2	144.61	25.5 QP	43.5	-18.0	1.00 H	197	39.6	-14.1
3	280.71	19.5 QP	46.0	-26.5	1.00 H	271	32.6	-13.1
4	383.76	25.8 QP	46.0	-20.2	1.00 H	5	37.3	-11.5
5	549.03	27.8 QP	46.0	-18.2	1.50 H	336	36.6	-8.8
6	671.52	29.6 QP	46.0	-16.4	1.00 H	12	36.1	-6.5

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	61.01	34.1 QP	40.0	-5.9	2.00 V	325	49.1	-15.0
2	125.17	26.7 QP	43.5	-16.8	1.01 V	147	42.6	-15.9
3	249.60	19.6 QP	46.0	-26.5	2.00 V	125	34.3	-14.7
4	383.76	23.3 QP	46.0	-22.7	1.51 V	187	34.8	-11.5
5	537.36	25.8 QP	46.0	-20.2	1.51 V	278	34.8	-9.0
6	634.57	29.0 QP	46.0	-17.0	1.01 V	153	35.8	-6.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

Mode D

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	57.12	25.8 QP	40.0	-14.2	1.50 H	49	40.4	-14.6
2	96.01	26.9 QP	43.5	-16.6	1.50 H	99	45.9	-19.0
3	154.33	29.7 QP	43.5	-13.8	1.50 H	143	43.6	-13.9
4	383.76	24.8 QP	46.0	-21.3	1.00 H	198	36.3	-11.5
5	549.03	30.1 QP	46.0	-15.9	1.50 H	150	38.9	-8.8
6	741.51	32.1 QP	46.0	-13.9	1.50 H	342	37.2	-5.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	61.01	36.0 QP	40.0	-4.0	1.00 V	22	51.0	-15.0
2	90.17	29.0 QP	43.5	-14.5	1.00 V	302	48.6	-19.6
3	154.33	25.7 QP	43.5	-17.8	1.00 V	172	39.6	-13.9
4	383.76	26.9 QP	46.0	-19.1	1.49 V	101	38.4	-11.5
5	615.13	31.5 QP	46.0	-14.5	1.49 V	81	38.7	-7.2
6	795.95	29.4 QP	46.0	-16.6	1.49 V	276	33.8	-4.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

Mode E

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	76.56	34.1 QP	40.0	-5.9	1.99 H	179	51.7	-17.6
2	154.33	28.7 QP	43.5	-14.8	1.49 H	138	42.6	-13.9
3	201.00	25.2 QP	43.5	-18.3	1.00 H	142	41.9	-16.7
4	383.76	25.4 QP	46.0	-20.6	1.99 H	120	36.9	-11.5
5	609.30	30.4 QP	46.0	-15.6	1.00 H	113	37.8	-7.4
6	700.68	26.0 QP	46.0	-20.0	1.00 H	141	32.0	-6.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	33.79	36.0 QP	40.0	-4.0	1.01 V	104	52.0	-16.0
2	78.51	32.2 QP	40.0	-7.8	1.01 V	145	50.4	-18.2
3	125.17	25.7 QP	43.5	-17.8	1.01 V	128	41.5	-15.8
4	199.05	26.9 QP	43.5	-16.6	1.01 V	106	43.5	-16.6
5	383.76	25.1 QP	46.0	-20.9	1.01 V	123	36.6	-11.5
6	601.52	29.8 QP	46.0	-16.2	1.51 V	80	37.2	-7.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESCS 30	100288	Aug. 17, 2017	Aug. 16, 2018
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond2-01	Sep. 08, 2017	Sep. 07, 2018
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Jan. 17, 2017	Jan. 16, 2018
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Aug. 02, 2017	Aug. 01, 2018
Software ADT	BV ADT_Cond_ V7.3.7.3	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Shielded Room 2.

3. The VCCI Site Registration No. is C-2047.

4.2.3 Test Procedures

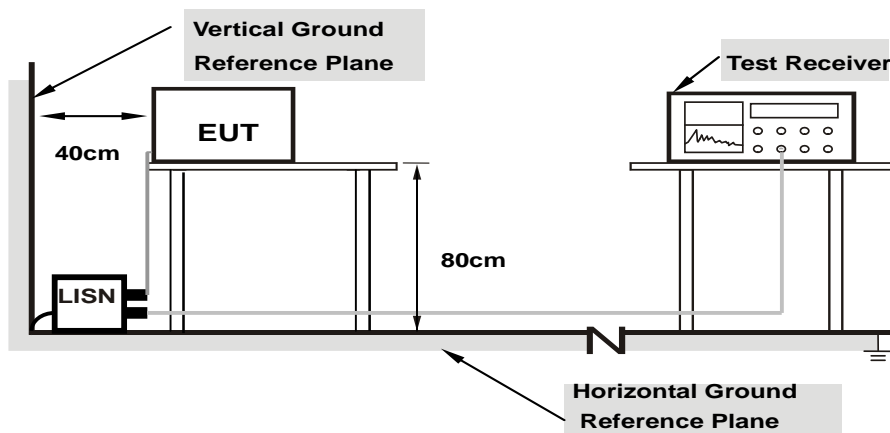
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT Operating Conditions

Same as 4.1.6.

4.2.7 Test Results

Worst-case data: 802.11a

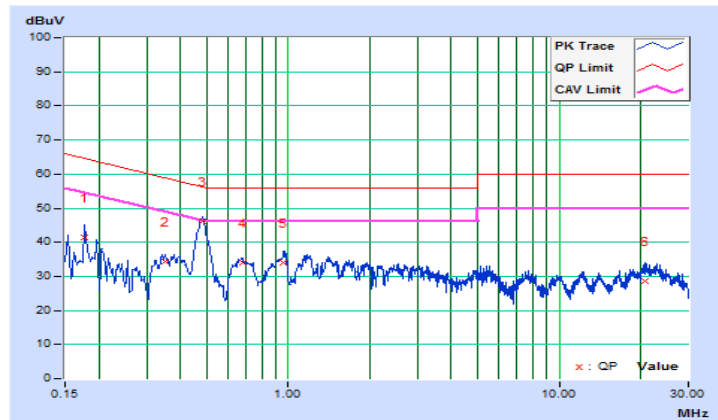
Mode A

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	----------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.17737	10.45	31.03	19.11	41.48	29.56	64.61
2	0.34941	10.50	23.99	17.45	34.49	27.95	58.98	48.98	-24.49	-21.03
3	0.48168	10.51	35.67	31.41	46.18	41.92	56.31	46.31	-10.13	-4.39
4	0.67667	10.50	23.39	18.84	33.89	29.34	56.00	46.00	-22.11	-16.66
5	0.96319	10.48	23.50	20.05	33.98	30.53	56.00	46.00	-22.02	-15.47
6	20.73615	11.45	17.03	11.87	28.48	23.32	60.00	50.00	-31.52	-26.68

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

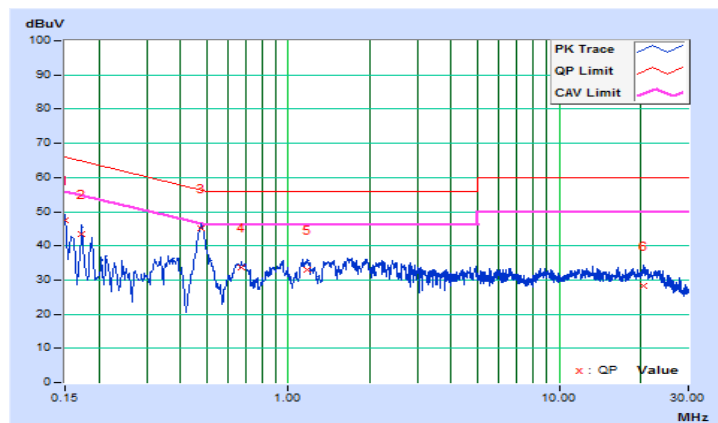


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	-------------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.15000	10.20	37.40	25.05	47.60	35.25	66.00
2	0.17346	10.21	33.09	21.17	43.30	31.38	64.79	54.79	-21.49	-23.41
3	0.47789	10.24	34.93	30.52	45.17	40.76	56.38	46.38	-11.21	-5.62
4	0.67311	10.25	23.28	19.33	33.53	29.58	56.00	46.00	-22.47	-16.42
5	1.18224	10.27	22.85	19.71	33.12	29.98	56.00	46.00	-22.88	-16.02
6	20.44290	11.06	17.18	12.00	28.24	23.06	60.00	50.00	-31.76	-26.94

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



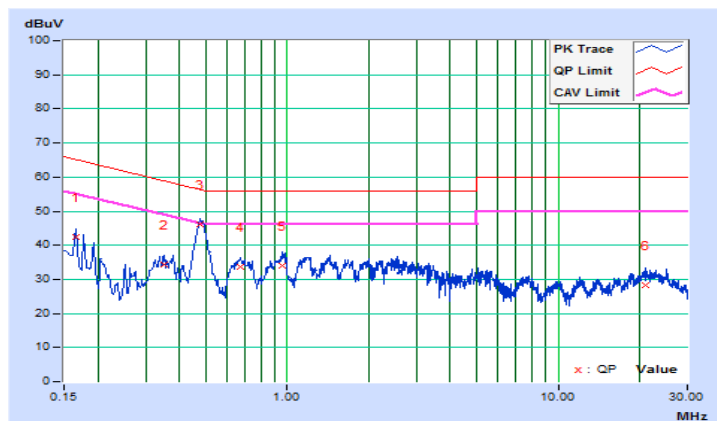
Mode B

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	----------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.16569	10.45	32.10	18.96	42.55	29.41	65.17
2	0.34926	10.50	23.76	17.18	34.26	27.68	58.98	48.98	-24.72	-21.30
3	0.47844	10.51	35.56	31.19	46.07	41.70	56.37	46.37	-10.30	-4.67
4	0.67311	10.50	23.14	19.28	33.64	29.78	56.00	46.00	-22.36	-16.22
5	0.96328	10.48	23.49	20.00	33.97	30.48	56.00	46.00	-22.03	-15.52
6	20.89255	11.46	16.96	11.72	28.42	23.18	60.00	50.00	-31.58	-26.82

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

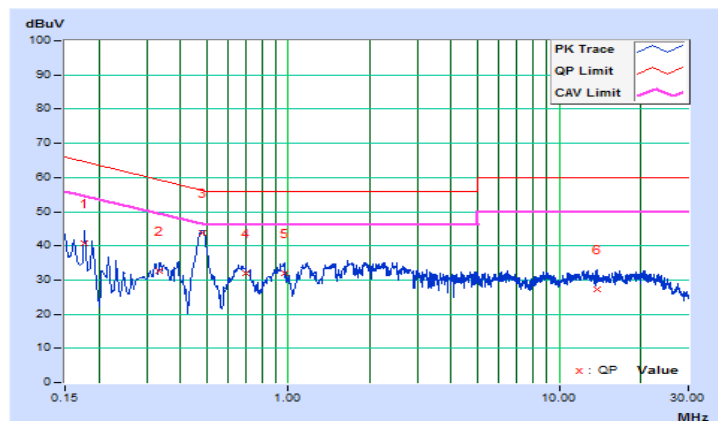


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	-------------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.17737	10.21	30.51	18.78	40.72	28.99	64.61
2	0.33396	10.23	22.51	16.69	32.74	26.92	59.35	49.35	-26.61	-22.43
3	0.48041	10.24	33.61	29.46	43.85	39.70	56.33	46.33	-12.48	-6.63
4	0.69740	10.25	21.70	17.27	31.95	27.52	56.00	46.00	-24.05	-18.48
5	0.96719	10.26	21.74	18.26	32.00	28.52	56.00	46.00	-24.00	-17.48
6	13.88192	10.82	16.56	11.39	27.38	22.21	60.00	50.00	-32.62	-27.79

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



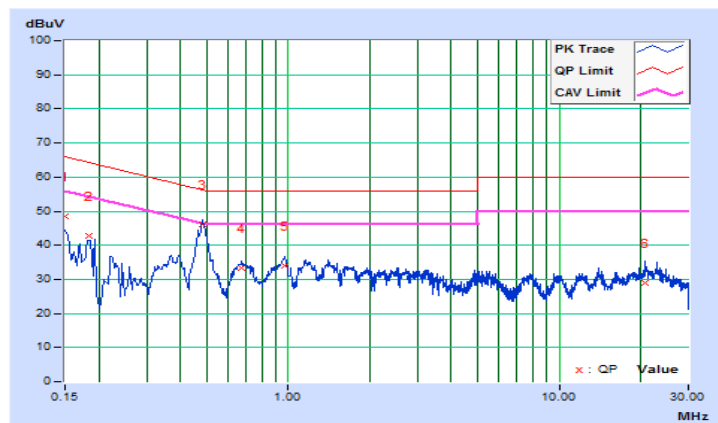
Mode C

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	----------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.15000	10.45	38.03	25.10	48.48	35.55	66.00
2	0.18266	10.45	32.26	19.16	42.71	29.61	64.36	54.36	-21.65	-24.75
3	0.48168	10.51	35.64	31.45	46.15	41.96	56.31	46.31	-10.16	-4.35
4	0.67311	10.50	22.93	19.16	33.43	29.66	56.00	46.00	-22.57	-16.34
5	0.97084	10.48	23.40	19.99	33.88	30.47	56.00	46.00	-22.12	-15.53
6	20.86909	11.46	17.51	12.22	28.97	23.68	60.00	50.00	-31.03	-26.32

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

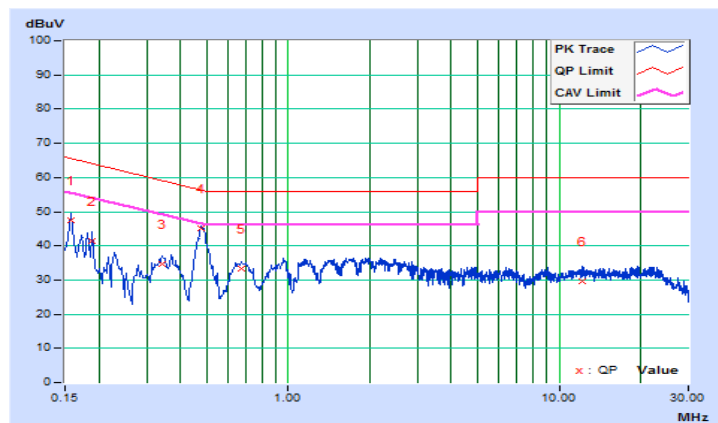


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	-------------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15782	10.21	37.31	24.24	47.52	34.45	65.58	55.58	-18.06	-21.13
2	0.18910	10.22	31.05	19.10	41.27	29.32	64.08	54.08	-22.81	-24.76
3	0.34198	10.23	24.61	18.61	34.84	28.84	59.16	49.16	-24.32	-20.32
4	0.47537	10.24	34.82	29.81	45.06	40.05	56.42	46.42	-11.36	-6.37
5	0.66957	10.25	23.16	19.65	33.41	29.90	56.00	46.00	-22.59	-16.10
6	12.11851	10.75	18.84	13.44	29.59	24.19	60.00	50.00	-30.41	-25.81

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



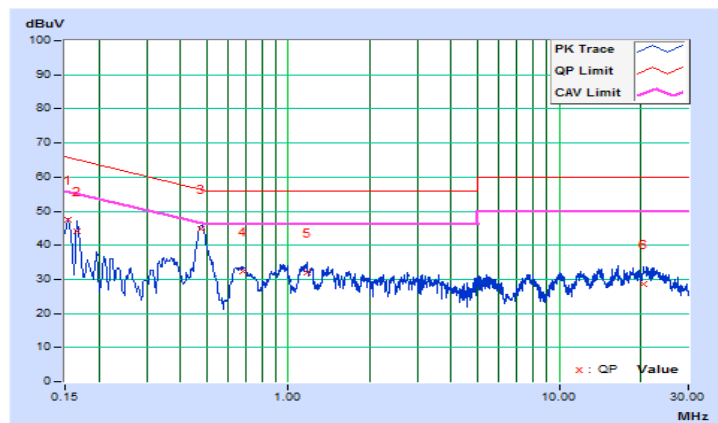
Mode D

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	----------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.15391	10.45	36.96	24.07	47.41	34.52	65.79
2	0.16569	10.45	33.82	20.06	44.27	30.51	65.17	55.17	-20.90	-24.66
3	0.47412	10.51	34.20	28.97	44.71	39.48	56.44	46.44	-11.73	-6.96
4	0.67785	10.50	21.74	17.03	32.24	27.53	56.00	46.00	-23.76	-18.47
5	1.17056	10.49	21.39	17.88	31.88	28.37	56.00	46.00	-24.12	-17.63
6	20.54456	11.44	17.16	11.78	28.60	23.22	60.00	50.00	-31.40	-26.78

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

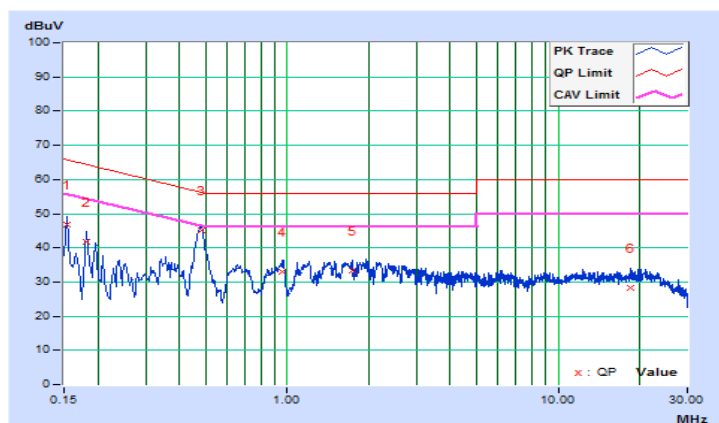


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	-------------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.15391	10.21	36.65	24.42	46.86	34.63	65.79
2	0.18122	10.22	31.43	19.40	41.65	29.62	64.43	54.43	-22.78	-24.81
3	0.48041	10.24	34.73	30.52	44.97	40.76	56.33	46.33	-11.36	-5.57
4	0.95561	10.26	22.81	19.55	33.07	29.81	56.00	46.00	-22.93	-16.19
5	1.74137	10.30	22.93	18.06	33.23	28.36	56.00	46.00	-22.77	-17.64
6	18.60129	11.00	17.41	12.38	28.41	23.38	60.00	50.00	-31.59	-26.62

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



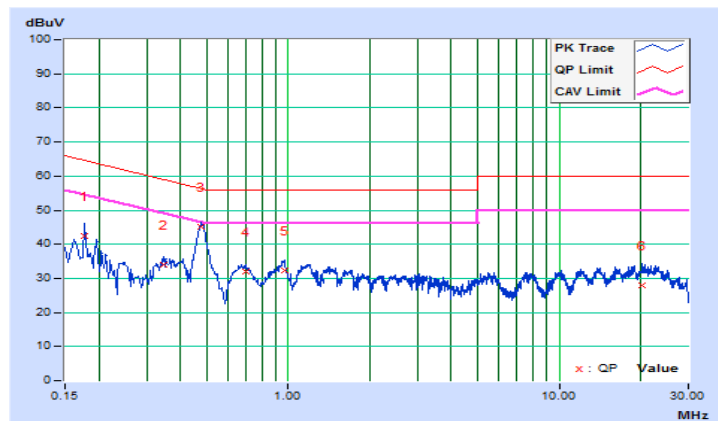
Mode E

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	----------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.17737	10.45	32.07	19.52	42.52	29.97	64.61
2	0.34550	10.50	23.47	17.47	33.97	27.97	59.07	49.07	-25.10	-21.10
3	0.47844	10.51	34.59	30.18	45.10	40.69	56.37	46.37	-11.27	-5.68
4	0.69473	10.50	21.48	17.65	31.98	28.15	56.00	46.00	-24.02	-17.85
5	0.96719	10.48	21.98	18.53	32.46	29.01	56.00	46.00	-23.54	-16.99
6	20.15747	11.43	16.37	11.04	27.80	22.47	60.00	50.00	-32.20	-27.53
7	23.07042	11.55	17.18	12.08	28.73	23.63	60.00	50.00	-31.27	-26.37

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

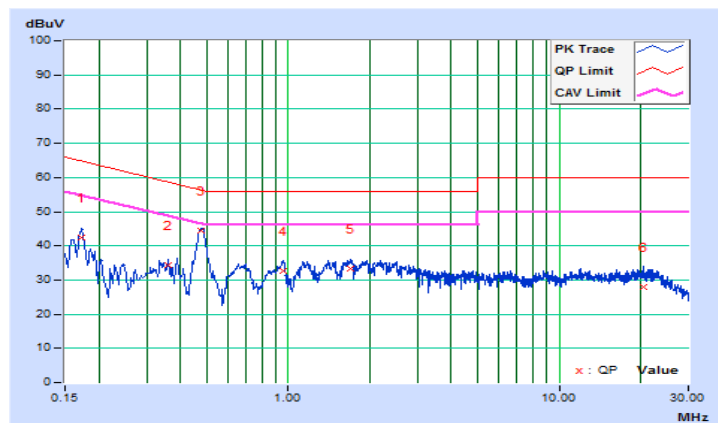


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
-------	-------------	-------------------	--------------------------------

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
			1	0.17346	10.21	32.07	20.25	42.28	30.46	64.79
2	0.36114	10.23	24.07	17.33	34.30	27.56	58.70	48.70	-24.40	-21.14
3	0.47789	10.24	34.34	29.86	44.58	40.10	56.38	46.38	-11.80	-6.28
4	0.95937	10.26	22.40	18.62	32.66	28.88	56.00	46.00	-23.34	-17.12
5	1.69836	10.30	23.06	18.98	33.36	29.28	56.00	46.00	-22.64	-16.72
6	20.54847	11.07	16.90	11.71	27.97	22.78	60.00	50.00	-32.03	-27.22

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



4.3 Transmit Power Measurement

4.3.1 Limits of Transmit Power Measurement

Operation Band	EUT Category	Limit
U-NII-1	Outdoor Access Point	1 Watt (30 dBm) (Max. e.i.r.p \leq 125 mW (21 dBm) at any elevation angle above 30 degrees as measured from the horizon)
	Fixed point-to-point Access Point	1 Watt (30 dBm)
	Indoor Access Point	1 Watt (30 dBm)
	Mobile and Portable client device	250 mW (24 dBm)
U-NII-2A	√	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C	√	250 mW (24 dBm) or 11 dBm+10 log B*
U-NII-3	√	1 Watt (30 dBm)

*B is the 26 dB emission bandwidth in megahertz

Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

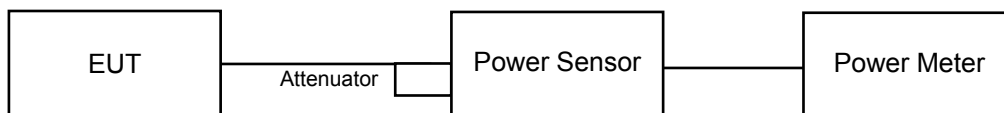
Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

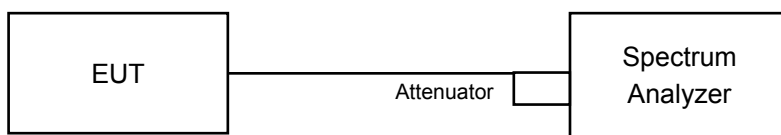
4.3.2 Test Setup

For Power Output

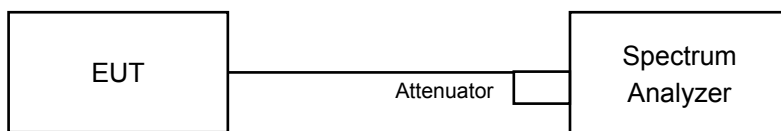
802.11a, 802.11n (HT20), 802.11n (HT40)



802.11ac (VHT80)



For Bandwidth



4.3.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.4 Test Procedure

For Average Power Measurement

802.11a, 802.11n (HT20), 802.11n (HT40)

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

802.11ac (VHT80)

- 1) Set span to encompass the entire 26 dB EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- 2) Set sweep trigger to "free run".
- 3) Set RBW = 1 MHz.
- 4) Set VBW \geq 3 MHz.
- 5) Number of points in sweep \geq 2 Span / RBW.
- 6) Sweep time \leq (number of points in sweep) * T
- 7) Using emission bandwidth to determine the frequency span for integration the channel bandwidth.
- 8) Detector = RMS.
- 9) Trace mode = max hold.
- 10) Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
- 11) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

For 26dB Bandwidth

- 1) Set RBW = approximately 1% of the emission bandwidth.
- 2) Set the VBW > RBW.
- 3) Detector = Peak.
- 4) Trace mode = max hold.
- 5) 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%.

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.3.7 Test Result

Power Output:

Mode A

CDD Mode

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	15.29	15.47	69.043	18.39	21.56	Pass
60	5300	15.42	15.51	70.397	18.48	21.56	Pass
64	5320	14.92	14.99	62.596	17.97	21.56	Pass
100	5500	14.96	15.02	63.102	18.00	21.56	Pass
116	5580	15.07	15.21	65.326	18.15	21.56	Pass
140	5700	15.11	15.36	66.790	18.25	21.56	Pass
144	5720 For U-NII-2C	13.78	13.85	48.144	16.83	20.40	Pass
144	5720 For U-NII-3	8.75	8.85	15.173	11.81	27.75	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to 23.81-(8.25-6) = 21.56dBm.
- 5720MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to 22.65-(8.25-6) = 20.40dBm.
- 5745~5825MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to 30-(8.25-6) = 27.75dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (19.48) = 23.90 dBm < 24 dBm
- 11dBm + 10log (19.54) = 23.91 dBm < 24 dBm
- 11dBm + 10log (19.59) = 23.92 dBm < 24 dBm
- 11dBm + 10log (19.49) = 23.90 dBm < 24 dBm
- 11dBm + 10log (19.48) = 23.90 dBm < 24 dBm
- 11dBm + 10log (19.55) = 23.91 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5710.21) = 22.70 dBm < 24 dBm

Chain 1

- 11dBm + 10log (19.23) = 23.84 dBm < 24 dBm
- 11dBm + 10log (19.12) = 23.81 dBm < 24 dBm
- 11dBm + 10log (19.19) = 23.83 dBm < 24 dBm
- 11dBm + 10log (19.24) = 23.84 dBm < 24 dBm
- 11dBm + 10log (19.18) = 23.83 dBm < 24 dBm
- 11dBm + 10log (19.29) = 23.85 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5710.38) = 22.65 dBm < 24 dBm

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	15.32	15.45	69.116	18.40	21.75	Pass
60	5300	15.41	15.47	69.991	18.45	21.75	Pass
64	5320	15.38	15.44	69.509	18.42	21.75	Pass
100	5500	14.97	15.07	63.542	18.03	21.75	Pass
116	5580	15.04	15.19	64.952	18.13	21.75	Pass
140	5700	15.52	15.85	74.104	18.70	21.75	Pass
144	5720 For U-NII-2C	13.67	13.80	47.269	16.75	20.56	Pass
144	5720 For U-NII-3	9.01	9.16	16.203	12.10	27.75	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to 24-(8.25-6) = 21.75dBm.
- 5720MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to 22.81-(8.25-6) = 20.56dBm.
- 5745~5825MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to 30-(8.25-6) = 27.75dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (20.44) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.52) = 24.12 dBm > 24 dBm
- 11dBm + 10log (20.36) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.31) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.26) = 24.07 dBm > 24 dBm
- 11dBm + 10log (20.41) = 24.10 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.82) = 22.81 dBm < 24 dBm

Chain 1

- 11dBm + 10log (20.38) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.38) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.34) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.47) = 24.11 dBm > 24 dBm
- 11dBm + 10log (20.41) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.41) = 24.10 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.83) = 22.81 dBm < 24 dBm

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
54	5270	18.43	18.7	143.794	21.58	21.75	Pass
62	5310	14.19	14.13	52.124	17.17	21.75	Pass
102	5510	14.51	14.62	57.222	17.58	21.75	Pass
110	5550	17.44	17.66	113.808	20.56	21.75	Pass
134	5670	17.22	17.27	106.056	20.26	21.75	Pass
142	5710 For U-NII-2C	17.98	17.89	124.324	20.95	21.75	Pass
142	5710 For U-NII-3	9.74	9.91	19.214	12.84	27.75	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to $24 - (8.25 - 6) = 21.75\text{dBm}$.
- 5710MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to $24 - (8.25 - 6) = 21.75\text{dBm}$.
- 5745~5825MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to $30 - (8.25 - 6) = 27.75\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (40.64) = 27.09 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.68) = 27.09 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.65) = 27.09 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.75) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.70) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.78) = 26.47 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (40.79) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.94) = 27.12 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (41.03) = 27.13 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (41.03) = 27.13 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.82) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.64) = 26.49 \text{ dBm} > 24 \text{ dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
58	5290	11.02	11.95	28.315	14.52	21.75	Pass
106	5530	13.89	13.99	49.552	16.95	21.75	Pass
122	5610	15.70	15.15	69.888	18.44	21.75	Pass
138	5690 For U-NII-2C	18.07	17.57	121.269	20.84	21.75	Pass
138	5690 For U-NII-3	7.58	7.17	10.940	10.39	27.75	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to 24-(8.25-6) = 21.75dBm.
- 5690MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to 24-(8.25-6) = 21.75dBm.
- 5745~5825MHz Gain = 8.25dBi > 6dBi, so the limit shall be reduced to 30-(8.25-6) = 27.75dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (83.87) = 30.24 dBm > 24 dBm
- 11dBm + 10log (83.77) = 30.23 dBm > 24 dBm
- 11dBm + 10log (83.82) = 30.23 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5648.10) = 29.86 dBm > 24 dBm

Chain 1

- 11dBm + 10log (83.81) = 30.23 dBm > 24 dBm
- 11dBm + 10log (83.23) = 30.20 dBm > 24 dBm
- 11dBm + 10log (83.49) = 30.22 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5648.08) = 29.86 dBm > 24 dBm

Beamforming Mode

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	12.31	12.44	34.558	15.39	18.74	Pass
60	5300	12.40	12.46	34.995	15.44	18.74	Pass
64	5320	12.37	12.43	34.754	15.41	18.74	Pass
100	5500	11.96	12.06	31.771	15.02	18.74	Pass
116	5580	12.03	12.18	32.476	15.12	18.74	Pass
140	5700	12.51	12.84	37.052	15.69	18.74	Pass
144	5720 For U-NII-2C	10.66	10.79	23.635	13.74	17.55	Pass
144	5720 For U-NII-3	6.00	6.15	8.101	9.09	24.74	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.26 - 6) = 18.74\text{dBm}$.
- 5720MHz Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $22.81 - (11.26 - 6) = 17.55\text{dBm}$.
- 5745~5825MHz Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.26 - 6) = 24.74\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log(20.44) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.52) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.36) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.31) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.26) = 24.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.41) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.82) = 22.81\text{ dBm} < 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(20.38) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.38) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.34) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.47) = 24.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.41) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.41) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.83) = 22.81\text{ dBm} < 24\text{ dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
54	5270	15.42	15.69	71.897	18.57	18.74	Pass
62	5310	11.18	11.12	26.062	14.16	18.74	Pass
102	5510	11.50	11.61	28.611	14.57	18.74	Pass
110	5550	14.43	14.65	56.904	17.55	18.74	Pass
134	5670	14.21	14.26	53.028	17.25	18.74	Pass
142	5710 For U-NII-2C	14.97	14.88	62.162	17.94	18.74	Pass
142	5710 For U-NII-3	6.73	6.90	9.607	9.83	24.74	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.26 - 6) = 18.74\text{dBm}$.
- 5710MHz Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.26 - 6) = 18.74\text{dBm}$.
- 5745~5825MHz Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.26 - 6) = 24.74\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (40.64) = 27.09 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.68) = 27.09 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.65) = 27.09 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.75) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.70) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.78) = 26.47 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (40.79) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.94) = 27.12 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (41.03) = 27.13 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (41.03) = 27.13 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.82) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.64) = 26.49 \text{ dBm} > 24 \text{ dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
58	5290	8.01	8.94	14.157	11.51	18.74	Pass
106	5530	10.88	10.98	24.776	13.94	18.74	Pass
122	5610	12.69	12.14	34.944	15.43	18.74	Pass
138	5690 For U-NII-2C	15.06	14.56	60.634	17.83	18.74	Pass
138	5690 For U-NII-3	4.57	4.16	5.470	7.38	24.74	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.26 - 6) = 18.74\text{dBm}$.
- 5690MHz Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (11.26 - 6) = 18.74\text{dBm}$.
- 5745~5825MHz Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.26 - 6) = 24.74\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (83.87) = 30.24 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.77) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.82) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5648.10) = 29.86 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (83.81) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.23) = 30.20 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.49) = 30.22 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5648.08) = 29.86 \text{ dBm} > 24 \text{ dBm}$

Mode B

CDD Mode

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	19.88	19.84	193.658	22.87	23.82	Pass
60	5300	19.95	19.87	195.906	22.92	23.82	Pass
64	5320	18.36	18.18	134.315	21.28	23.82	Pass
100	5500	18.80	18.57	147.803	21.70	23.82	Pass
116	5580	18.44	18.39	138.847	21.43	23.82	Pass
140	5700	15.87	16.01	78.539	18.95	23.82	Pass
144	5720 For U-NII-2C	18.58	18.97	150.997	21.79	22.70	Pass
144	5720 For U-NII-3	13.57	13.78	46.629	16.69	30	Pass

Note:

1. 5260~5320MHz, 5500~5720MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.
2. 5720MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.
3. 5745~5825MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.

For U-NII-2A, U-NII-2C

Chain 0

1. 11dBm + 10log (19.59) = 23.92 dBm < 24 dBm
2. 11dBm + 10log (19.52) = 23.90 dBm < 24 dBm
3. 11dBm + 10log (19.57) = 23.92 dBm < 24 dBm
4. 11dBm + 10log (19.52) = 23.90 dBm < 24 dBm
5. 11dBm + 10log (19.50) = 23.90 dBm < 24 dBm
6. 11dBm + 10log (19.45) = 23.89 dBm < 24 dBm
7. 11dBm + 10log (5725.00 - 5710.22) = 22.70 dBm < 24 dBm

Chain 1

1. 11dBm + 10log (19.23) = 23.84 dBm < 24 dBm
2. 11dBm + 10log (19.19) = 23.83 dBm < 24 dBm
3. 11dBm + 10log (19.17) = 23.83 dBm < 24 dBm
4. 11dBm + 10log (19.15) = 23.82 dBm < 24 dBm
5. 11dBm + 10log (19.23) = 23.84 dBm < 24 dBm
6. 11dBm + 10log (19.17) = 23.83 dBm < 24 dBm
7. 11dBm + 10log (5725.00 - 5709.51) = 22.90 dBm < 24 dBm

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	19.77	19.84	191.225	22.82	24	Pass
60	5300	19.84	19.77	191.225	22.82	24	Pass
64	5320	18.10	18.09	128.982	21.11	24	Pass
100	5500	18.67	18.59	145.898	21.64	24	Pass
116	5580	18.37	18.28	136.005	21.34	24	Pass
140	5700	15.72	15.83	75.607	18.79	24	Pass
144	5720 For U-NII-2C	19.16	18.88	159.682	22.03	22.83	Pass
144	5720 For U-NII-3	14.46	14.52	56.239	17.50	30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.
- 5720MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.
- 5745~5825MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (20.49) = 24.12 dBm > 24 dBm
- 11dBm + 10log (20.41) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.53) = 24.12 dBm > 24 dBm
- 11dBm + 10log (20.42) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.34) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.53) = 24.12 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.75) = 22.83 dBm < 24 dBm

Chain 1

- 11dBm + 10log (20.39) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.39) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.43) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.37) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.40) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.47) = 24.11 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.64) = 22.86 dBm < 24 dBm

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
54	5270	20.97	20.91	248.336	23.95	24	Pass
62	5310	15.42	15.11	67.268	18.28	24	Pass
102	5510	15.33	15.13	66.703	18.24	24	Pass
110	5550	20.91	20.84	244.649	23.89	24	Pass
134	5670	17.41	17.23	107.926	20.33	24	Pass
142	5710 For U-NII-2C	19.85	19.80	192.104	22.84	24	Pass
142	5710 For U-NII-3	11.73	12.34	32.034	15.06	30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.
- 5710MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.
- 5745~5825MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (41.00) = 27.13 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (41.06) = 27.13 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.86) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.88) = 27.12 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.97) = 27.12 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.65) = 26.48 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (40.84) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.88) = 27.12 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.94) = 27.12 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (51.23) = 28.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (41.04) = 27.13 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5685.98) = 26.91 \text{ dBm} > 24 \text{ dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
58	5290	14.45	14.37	55.214	17.42	24	Pass
106	5530	15.69	15.57	73.126	18.64	24	Pass
122	5610	18.03	17.59	120.945	20.83	24	Pass
138	5690 For U-NII-2C	19.39	18.94	165.239	22.18	24	Pass
138	5690 For U-NII-3	8.97	8.45	14.887	11.73	30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.
- 5690MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.
- 5745~5825MHz Gain = 5dBi < 6dBi, so the limit no need to be reduced.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (83.94) = 30.24 dBm > 24 dBm
- 11dBm + 10log (84.26) = 30.26 dBm > 24 dBm
- 11dBm + 10log (83.61) = 30.22 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5648.19) = 29.85 dBm > 24 dBm

Chain 1

- 11dBm + 10log (83.74) = 30.23 dBm > 24 dBm
- 11dBm + 10log (83.54) = 30.22 dBm > 24 dBm
- 11dBm + 10log (83.74) = 30.23 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5648.29) = 29.85 dBm > 24 dBm

Beamforming Mode

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	16.76	16.83	95.612	19.81	21.99	Pass
60	5300	16.83	16.76	95.612	19.81	21.99	Pass
64	5320	15.09	15.08	64.491	18.10	21.99	Pass
100	5500	15.66	15.58	72.949	18.63	21.99	Pass
116	5580	15.36	15.27	68.002	18.33	21.99	Pass
140	5700	12.71	12.82	37.804	15.78	21.99	Pass
144	5720 For U-NII-2C	16.15	15.87	79.841	19.02	20.82	Pass
144	5720 For U-NII-3	11.45	11.51	28.120	14.49	27.99	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (8.01 - 6) = 21.99\text{dBm}$.
- 5720MHz Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $22.83 - (8.01 - 6) = 20.82\text{dBm}$.
- 5745~5825MHz Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (8.01 - 6) = 27.99\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log(20.49) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.41) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.53) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.42) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.34) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.53) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.75) = 22.83\text{ dBm} < 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(20.39) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.39) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.43) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.37) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.40) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.47) = 24.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.64) = 22.86\text{ dBm} < 24\text{ dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
54	5270	17.96	17.90	124.168	20.94	21.99	Pass
62	5310	12.41	12.10	33.634	15.27	21.99	Pass
102	5510	12.32	12.12	33.351	15.23	21.99	Pass
110	5550	17.90	17.83	122.325	20.88	21.99	Pass
134	5670	14.40	14.22	53.963	17.32	21.99	Pass
142	5710 For U-NII-2C	16.84	16.79	96.052	19.83	21.99	Pass
142	5710 For U-NII-3	8.72	9.33	16.017	12.05	27.99	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (8.01 - 6) = 21.99\text{dBm}$.
- 5710MHz Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (8.01 - 6) = 21.99\text{dBm}$.
- 5745~5825MHz Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (8.01 - 6) = 27.99\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log(41.00) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(41.06) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.86) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.88) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.97) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.65) = 26.48\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(40.84) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.88) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.94) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(51.23) = 28.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(41.04) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5685.98) = 26.91\text{ dBm} > 24\text{ dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
58	5290	11.44	11.36	27.607	14.41	21.99	Pass
106	5530	12.68	12.56	36.563	15.63	21.99	Pass
122	5610	15.02	14.58	60.472	17.82	21.99	Pass
138	5690 For U-NII-2C	16.38	15.93	82.620	19.17	21.99	Pass
138	5690 For U-NII-3	5.96	5.44	7.444	8.72	27.99	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (8.01 - 6) = 21.99\text{dBm}$.
- 5690MHz Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (8.01 - 6) = 21.99\text{dBm}$.
- 5745~5825MHz Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (8.01 - 6) = 27.99\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (83.94) = 30.24 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (84.26) = 30.26 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.61) = 30.22 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5648.19) = 29.85 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (83.74) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.54) = 30.22 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.74) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5648.29) = 29.85 \text{ dBm} > 24 \text{ dBm}$

Mode C

CDD Mode

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	12.73	12.70	37.371	15.73	20.12	Pass
60	5300	12.93	12.66	38.084	15.81	20.12	Pass
64	5320	12.87	12.76	38.244	15.83	20.12	Pass
100	5500	12.91	12.67	38.036	15.80	20.12	Pass
116	5580	12.89	12.55	37.443	15.73	20.12	Pass
140	5700	12.98	13.12	40.373	16.06	20.12	Pass
144	5720 For U-NII-2C	11.74	12.87	34.292	15.35	18.96	Pass
144	5720 For U-NII-3	6.68	7.89	10.808	10.34	25.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 23.82-(10.7-6) = 20.12dBm.
- 5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 22.66-(10.7-6) = 18.96dBm.
- 5745~5825MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 30-(10.7-6) = 25.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (19.62) = 23.93 dBm < 24 dBm
- 11dBm + 10log (19.57) = 23.92 dBm < 24 dBm
- 11dBm + 10log (19.64) = 23.93 dBm < 24 dBm
- 11dBm + 10log (19.49) = 23.90 dBm < 24 dBm
- 11dBm + 10log (19.51) = 23.90 dBm < 24 dBm
- 11dBm + 10log (19.54) = 23.91 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5710.15) = 22.72 dBm < 24 dBm

Chain 1

- 11dBm + 10log (19.18) = 23.83 dBm < 24 dBm
- 11dBm + 10log (19.13) = 23.82 dBm < 24 dBm
- 11dBm + 10log (19.13) = 23.82 dBm < 24 dBm
- 11dBm + 10log (19.19) = 23.83 dBm < 24 dBm
- 11dBm + 10log (19.29) = 23.85 dBm < 24 dBm
- 11dBm + 10log (19.22) = 23.84 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5710.36) = 22.66 dBm < 24 dBm

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	12.70	12.66	37.071	15.69	19.30	Pass
60	5300	12.84	12.59	37.386	15.73	19.30	Pass
64	5320	12.97	12.67	38.308	15.83	19.30	Pass
100	5500	12.49	12.07	33.848	15.30	19.30	Pass
116	5580	12.77	12.49	36.665	15.64	19.30	Pass
140	5700	13.35	13.40	43.505	16.39	19.30	Pass
144	5720 For U-NII-2C	11.58	12.62	32.669	15.14	19.11	Pass
144	5720 For U-NII-3	6.88	8.01	11.199	10.49	25.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 24-(10.7-6) = 19.30dBm.
- 5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 22.81-(10.7-6) = 19.11dBm.
- 5745~5825MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 30-(10.7-6) = 25.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (20.51) = 24.12 dBm > 24 dBm
- 11dBm + 10log (20.40) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.37) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.35) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.31) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.39) = 24.09 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.82) = 22.81 dBm < 24 dBm

Chain 1

- 11dBm + 10log (20.32) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.52) = 24.12 dBm > 24 dBm
- 11dBm + 10log (20.31) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.32) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.46) = 24.11 dBm > 24 dBm
- 11dBm + 10log (20.36) = 24.09 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.81) = 22.82 dBm < 24 dBm

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
54	5270	15.43	15.34	69.112	18.40	19.30	Pass
62	5310	13.59	13.27	44.088	16.44	19.30	Pass
102	5510	14.14	13.76	49.710	16.96	19.30	Pass
110	5550	15.46	15.29	68.962	18.39	19.30	Pass
134	5670	15.88	15.37	73.161	18.64	19.30	Pass
142	5710 For U-NII-2C	14.19	15.59	62.466	17.96	19.30	Pass
142	5710 For U-NII-3	6.04	7.50	9.641	9.84	25.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 24-(10.7-6) = 19.30dBm.
- 5710MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 24-(10.7-6) = 19.30dBm.
- 5745~5825MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 30-(10.7-6) = 25.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (40.78) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.70) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.67) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.67) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.66) = 27.09 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.75) = 26.47 dBm > 24 dBm

Chain 1

- 11dBm + 10log (40.78) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.65) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.74) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.74) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.76) = 27.10 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.72) = 26.48 dBm > 24 dBm

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
58	5290	11.36	11.11	26.589	14.25	19.30	Pass
106	5530	12.99	12.51	37.731	15.77	19.30	Pass
122	5610	14.83	15.91	69.403	18.41	19.30	Pass
138	5690 For U-NII-2C	15.66	15.23	70.156	18.46	19.30	Pass
138	5690 For U-NII-3	5.19	4.88	6.380	8.05	25.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 24-(10.7-6) = 19.30dBm.
- 5690MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 24-(10.7-6) = 19.30dBm.
- 5745~5825MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 30-(10.7-6) = 25.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (84.12) = 30.25 dBm > 24 dBm
- 11dBm + 10log (84.03) = 30.24 dBm > 24 dBm
- 11dBm + 10log (83.71) = 30.23 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5647.99) = 29.87 dBm > 24 dBm

Chain 1

- 11dBm + 10log (83.71) = 30.23 dBm > 24 dBm
- 11dBm + 10log (83.72) = 30.23 dBm > 24 dBm
- 11dBm + 10log (83.75) = 30.23 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5648.35) = 29.85 dBm > 24 dBm

Beamforming Mode

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	9.69	9.65	18.536	12.68	16.29	Pass
60	5300	9.83	9.58	18.693	12.72	16.29	Pass
64	5320	9.96	9.66	19.154	12.82	16.29	Pass
100	5500	9.48	9.06	16.924	12.29	16.29	Pass
116	5580	9.76	9.48	18.333	12.63	16.29	Pass
140	5700	10.34	10.39	21.752	13.38	16.29	Pass
144	5720 For U-NII-2C	8.57	9.61	16.334	12.13	15.10	Pass
144	5720 For U-NII-3	3.87	5.00	5.600	7.48	22.29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.71 - 6) = 16.29\text{dBm}$.
- 5720MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $22.81 - (13.71 - 6) = 15.10\text{dBm}$.
- 5745~5825MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log(20.51) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.40) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.37) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.35) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.31) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.39) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.82) = 22.81\text{ dBm} < 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(20.32) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.52) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.31) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.32) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.46) = 24.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.36) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.81) = 22.82\text{ dBm} < 24\text{ dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
54	5270	12.42	12.33	34.556	15.39	16.29	Pass
62	5310	10.58	10.26	22.044	13.43	16.29	Pass
102	5510	11.13	10.75	24.855	13.95	16.29	Pass
110	5550	12.45	12.28	34.481	15.38	16.29	Pass
134	5670	12.87	12.36	36.580	15.63	16.29	Pass
142	5710 For U-NII-2C	11.18	12.58	31.233	14.95	16.29	Pass
142	5710 For U-NII-3	3.03	4.49	4.821	6.83	22.29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.71 - 6) = 16.29\text{dBm}$.
- 5710MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.71 - 6) = 16.29\text{dBm}$.
- 5745~5825MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log(40.78) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.70) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.67) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.67) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.66) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.75) = 26.47\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(40.78) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.65) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.74) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.74) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.76) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.72) = 26.48\text{ dBm} > 24\text{ dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
58	5290	8.35	8.10	13.295	11.24	16.29	Pass
106	5530	9.98	9.50	18.865	12.76	16.29	Pass
122	5610	11.82	12.90	34.702	15.40	16.29	Pass
138	5690 For U-NII-2C	12.65	12.22	35.078	15.45	16.29	Pass
138	5690 For U-NII-3	2.18	1.87	3.190	5.04	22.29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.71 - 6) = 16.29\text{dBm}$.
- 5690MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.71 - 6) = 16.29\text{dBm}$.
- 5745~5825MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (84.12) = 30.25 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (84.03) = 30.24 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.71) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5647.99) = 29.87 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (83.71) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.72) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.75) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5648.35) = 29.85 \text{ dBm} > 24 \text{ dBm}$

Mode D

CDD Mode

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	16.73	17.33	101.173	20.05	23.11	Pass
60	5300	16.86	17.31	102.356	20.10	23.11	Pass
64	5320	17.05	17.24	103.665	20.16	23.11	Pass
100	5500	16.35	16.44	87.207	19.41	23.11	Pass
116	5580	16.29	16.41	86.312	19.36	23.11	Pass
140	5700	16.67	16.84	94.758	19.77	23.11	Pass
144	5720 For U-NII-2C	15.25	15.37	67.932	18.32	20.96	Pass
144	5720 For U-NII-3	10.25	10.38	21.507	13.33	29.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to 23.81-(6.7-6) = 23.11dBm.
- 5720MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to 22.66-(6.7-6) = 20.96dBm.
- 5745~5825MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to 30-(6.7-6) = 29.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (19.57) = 23.92 dBm < 24 dBm
- 11dBm + 10log (19.50) = 23.90 dBm < 24 dBm
- 11dBm + 10log (19.59) = 23.92 dBm < 24 dBm
- 11dBm + 10log (19.56) = 23.91 dBm < 24 dBm
- 11dBm + 10log (19.51) = 23.90 dBm < 24 dBm
- 11dBm + 10log (19.44) = 23.89 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5710.23) = 22.69 dBm < 24 dBm

Chain 1

- 11dBm + 10log (19.10) = 23.81 dBm < 24 dBm
- 11dBm + 10log (19.14) = 23.82 dBm < 24 dBm
- 11dBm + 10log (19.17) = 23.83 dBm < 24 dBm
- 11dBm + 10log (19.23) = 23.84 dBm < 24 dBm
- 11dBm + 10log (19.23) = 23.84 dBm < 24 dBm
- 11dBm + 10log (19.27) = 23.85 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5710.36) = 22.66 dBm < 24 dBm

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	16.74	17.32	101.157	20.05	23.30	Pass
60	5300	16.78	17.30	101.346	20.06	23.30	Pass
64	5320	16.92	17.29	102.784	20.12	23.30	Pass
100	5500	16.84	16.98	98.194	19.92	23.30	Pass
116	5580	16.77	16.97	97.308	19.88	23.30	Pass
140	5700	17.04	17.38	105.284	20.22	23.30	Pass
144	5720 For U-NII-2C	15.66	15.80	74.832	18.74	21.11	Pass
144	5720 For U-NII-3	10.96	11.14	25.476	14.06	29.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to 24-(6.7-6) = 23.30dBm.
- 5720MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to 22.81-(6.7-6) = 21.11dBm.
- 5745~5825MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to 30-(6.7-6) = 29.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (20.48) = 24.11 dBm > 24 dBm
- 11dBm + 10log (20.44) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.49) = 24.12 dBm > 24 dBm
- 11dBm + 10log (20.32) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.38) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.40) = 24.10 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.83) = 22.81 dBm < 24 dBm

Chain 1

- 11dBm + 10log (20.36) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.31) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.37) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.29) = 24.07 dBm > 24 dBm
- 11dBm + 10log (20.30) = 24.07 dBm > 24 dBm
- 11dBm + 10log (20.39) = 24.09 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.76) = 22.83 dBm < 24 dBm

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
54	5270	19.88	20.44	207.937	23.18	23.30	Pass
62	5310	16.61	16.99	95.817	19.81	23.30	Pass
102	5510	16.55	16.77	92.720	19.67	23.30	Pass
110	5550	19.94	19.96	197.711	22.96	23.30	Pass
134	5670	18.34	17.79	128.351	21.08	23.30	Pass
142	5710 For U-NII-2C	19.31	19.61	176.721	22.47	23.30	Pass
142	5710 For U-NII-3	11.15	11.54	27.288	14.36	29.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to $24 - (6.7 - 6) = 23.30\text{dBm}$.
- 5710MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to $24 - (6.7 - 6) = 23.30\text{dBm}$.
- 5745~5825MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to $30 - (6.7 - 6) = 29.30\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (40.77) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.76) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.79) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.80) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.71) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.72) = 26.48 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (40.91) = 27.12 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.88) = 27.12 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.76) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (41.19) = 27.15 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.75) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.44) = 26.51 \text{ dBm} > 24 \text{ dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
58	5290	14.89	15.23	64.175	18.07	23.30	Pass
106	5530	16.89	16.71	95.746	19.81	23.30	Pass
122	5610	19.67	18.94	171.026	22.33	23.30	Pass
138	5690 For U-NII-2C	19.35	18.93	164.262	22.16	23.30	Pass
138	5690 For U-NII-3	8.86	8.54	14.836	11.71	29.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to 24-(6.7-6) = 23.30dBm.
- 5690MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to 24-(6.7-6) = 23.30dBm.
- 5745~5825MHz Gain = 6.7dBi > 6dBi, so the limit shall be reduced to 30-(6.7-6) = 29.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (84.13) = 30.25 dBm > 24 dBm
- 11dBm + 10log (83.90) = 30.24 dBm > 24 dBm
- 11dBm + 10log (83.65) = 30.22 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5648.15) = 29.86 dBm > 24 dBm

Chain 1

- 11dBm + 10log (83.59) = 30.22 dBm > 24 dBm
- 11dBm + 10log (83.59) = 30.22 dBm > 24 dBm
- 11dBm + 10log (83.84) = 30.23 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5648.38) = 29.84 dBm > 24 dBm

Beamforming Mode

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	13.73	14.31	50.579	17.04	20.29	Pass
60	5300	13.77	14.29	50.673	17.05	20.29	Pass
64	5320	13.91	14.28	51.392	17.11	20.29	Pass
100	5500	13.83	13.97	49.097	16.91	20.29	Pass
116	5580	13.76	13.96	48.654	16.87	20.29	Pass
140	5700	14.03	14.37	52.642	17.21	20.29	Pass
144	5720 For U-NII-2C	12.65	12.79	37.416	15.73	19.10	Pass
144	5720 For U-NII-3	7.95	8.13	12.738	11.05	26.29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (9.71 - 6) = 20.29\text{dBm}$.
- 5720MHz Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $22.81 - (9.71 - 6) = 19.10\text{dBm}$.
- 5745~5825MHz Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (9.71 - 6) = 26.29\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log(20.48) = 24.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.44) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.49) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.32) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.38) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.40) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.83) = 22.81\text{ dBm} < 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(20.36) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.31) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.37) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.29) = 24.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.30) = 24.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.39) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.76) = 22.83\text{ dBm} < 24\text{ dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
54	5270	16.87	17.43	103.969	20.17	20.29	Pass
62	5310	13.60	13.98	47.909	16.80	20.29	Pass
102	5510	13.54	13.76	46.360	16.66	20.29	Pass
110	5550	16.93	16.95	98.856	19.95	20.29	Pass
134	5670	15.33	14.78	64.176	18.07	20.29	Pass
142	5710 For U-NII-2C	16.30	16.60	88.361	19.46	20.29	Pass
142	5710 For U-NII-3	8.14	8.53	13.644	11.35	26.29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (9.71 - 6) = 20.29\text{dBm}$.
- 5710MHz Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (9.71 - 6) = 20.29\text{dBm}$.
- 5745~5825MHz Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (9.71 - 6) = 26.29\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (40.77) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.76) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.79) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.80) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.71) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.72) = 26.48 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (40.91) = 27.12 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.88) = 27.12 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.76) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (41.19) = 27.15 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.75) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.44) = 26.51 \text{ dBm} > 24 \text{ dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
58	5290	11.88	12.22	32.087	15.06	20.29	Pass
106	5530	13.88	13.70	47.873	16.80	20.29	Pass
122	5610	16.66	15.93	85.513	19.32	20.29	Pass
138	5690 For U-NII-2C	16.34	15.92	82.131	19.15	20.29	Pass
138	5690 For U-NII-3	5.85	5.53	7.418	8.70	26.29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (9.71 - 6) = 20.29\text{dBm}$.
- 5710MHz Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (9.71 - 6) = 20.29\text{dBm}$.
- 5745~5825MHz Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (9.71 - 6) = 26.29\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (84.13) = 30.25 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.90) = 30.24 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.65) = 30.22 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5648.15) = 29.86 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (83.59) = 30.22 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.59) = 30.22 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.84) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5648.38) = 29.84 \text{ dBm} > 24 \text{ dBm}$

Mode E

CDD Mode

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	12.73	12.70	37.371	15.73	19.12	Pass
60	5300	12.93	12.66	38.084	15.81	19.12	Pass
64	5320	12.87	12.76	38.244	15.83	19.12	Pass
100	5500	12.91	12.67	38.036	15.80	19.12	Pass
116	5580	12.89	12.55	37.443	15.73	19.12	Pass
140	5700	12.98	13.12	40.373	16.06	19.12	Pass
144	5720 For U-NII-2C	11.74	12.87	34.292	15.35	17.96	Pass
144	5720 For U-NII-3	6.68	7.89	10.808	10.34	25.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 23.82-(10.7-6) = 19.12dBm.
- 5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 22.66-(10.7-6) = 17.96dBm.
- 5745~5825MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 30-(10.7-6) = 25.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (19.62) = 23.93 dBm < 24 dBm
- 11dBm + 10log (19.57) = 23.92 dBm < 24 dBm
- 11dBm + 10log (19.64) = 23.93 dBm < 24 dBm
- 11dBm + 10log (19.49) = 23.90 dBm < 24 dBm
- 11dBm + 10log (19.51) = 23.90 dBm < 24 dBm
- 11dBm + 10log (19.54) = 23.91 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5710.15) = 22.72 dBm < 24 dBm

Chain 1

- 11dBm + 10log (19.18) = 23.83 dBm < 24 dBm
- 11dBm + 10log (19.13) = 23.82 dBm < 24 dBm
- 11dBm + 10log (19.13) = 23.82 dBm < 24 dBm
- 11dBm + 10log (19.19) = 23.83 dBm < 24 dBm
- 11dBm + 10log (19.29) = 23.85 dBm < 24 dBm
- 11dBm + 10log (19.22) = 23.84 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5710.36) = 22.66 dBm < 24 dBm

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	12.70	12.66	37.071	15.69	19.30	Pass
60	5300	12.84	12.59	37.386	15.73	19.30	Pass
64	5320	12.97	12.67	38.308	15.83	19.30	Pass
100	5500	12.49	12.07	33.848	15.30	19.30	Pass
116	5580	12.77	12.49	36.665	15.64	19.30	Pass
140	5700	13.35	13.40	43.505	16.39	19.30	Pass
144	5720 For U-NII-2C	11.58	12.62	32.669	15.14	18.11	Pass
144	5720 For U-NII-3	6.88	8.01	11.199	10.49	25.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 24-(10.7-6) = 19.30dBm.
- 5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 22.81-(10.7-6) = 18.11dBm.
- 5745~5825MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 30-(10.7-6) = 25.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (20.51) = 24.12 dBm > 24 dBm
- 11dBm + 10log (20.40) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.37) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.35) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.31) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.39) = 24.09 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.82) = 22.81 dBm < 24 dBm

Chain 1

- 11dBm + 10log (20.32) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.52) = 24.12 dBm > 24 dBm
- 11dBm + 10log (20.31) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.32) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.46) = 24.11 dBm > 24 dBm
- 11dBm + 10log (20.36) = 24.09 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.81) = 22.82 dBm < 24 dBm

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
54	5270	15.43	15.34	69.112	18.40	19.30	Pass
62	5310	14.92	14.43	58.779	17.69	19.30	Pass
102	5510	15.67	15.44	71.893	18.57	19.30	Pass
110	5550	15.46	15.29	68.962	18.39	19.30	Pass
134	5670	15.88	15.37	73.466	18.64	19.30	Pass
142	5710 For U-NII-2C	14.19	15.59	62.466	17.96	19.30	Pass
142	5710 For U-NII-3	6.04	7.50	9.641	9.84	25.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 24-(10.7-6) = 19.30dBm.
- 5710MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 24-(10.7-6) = 19.30dBm.
- 5745~5825MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 30-(10.7-6) = 25.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (40.78) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.70) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.60) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.67) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.67) = 27.09 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.75) = 26.47 dBm > 24 dBm

Chain 1

- 11dBm + 10log (40.78) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.73) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.71) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.74) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.87) = 27.11 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.72) = 26.48 dBm > 24 dBm

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
58	5290	14.45	14.37	55.214	17.42	19.30	Pass
106	5530	15.66	15.72	74.138	18.70	19.30	Pass
122	5610	15.78	15.14	70.503	18.48	19.30	Pass
138	5690 For U-NII-2C	15.66	15.23	70.156	18.46	19.30	Pass
138	5690 For U-NII-3	5.19	4.88	6.380	8.05	25.30	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 24-(10.7-6) = 19.30dBm.
- 5690MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 24-(10.7-6) = 19.30dBm.
- 5745~5825MHz Gain = 10.7dBi > 6dBi, so the limit shall be reduced to 30-(10.7-6) = 25.30dBm.

For U-NII-2A, U-NII-2C

Chain 0

- 11dBm + 10log (84.07) = 30.25 dBm > 24 dBm
- 11dBm + 10log (84.04) = 30.24 dBm > 24 dBm
- 11dBm + 10log (83.85) = 30.24 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5647.99) = 29.87 dBm > 24 dBm

Chain 1

- 11dBm + 10log (83.53) = 30.22 dBm > 24 dBm
- 11dBm + 10log (83.64) = 30.22 dBm > 24 dBm
- 11dBm + 10log (83.67) = 30.23 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5648.35) = 29.85 dBm > 24 dBm

Beamforming Mode

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
52	5260	9.69	9.65	18.536	12.68	16.29	Pass
60	5300	9.83	9.58	18.693	12.72	16.29	Pass
64	5320	9.96	9.66	19.154	12.82	16.29	Pass
100	5500	9.48	9.06	16.924	12.29	16.29	Pass
116	5580	9.76	9.48	18.333	12.63	16.29	Pass
140	5700	10.34	10.39	21.752	13.38	16.29	Pass
144	5720 For U-NII-2C	8.57	9.61	16.334	12.13	15.10	Pass
144	5720 For U-NII-3	3.87	5.00	5.600	7.48	22.29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.71 - 6) = 16.29\text{dBm}$.
- 5720MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $22.81 - (13.71 - 6) = 15.10\text{dBm}$.
- 5745~5825MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log(20.51) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.40) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.37) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.35) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.31) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.39) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.82) = 22.81\text{ dBm} < 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(20.32) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.52) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.31) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.32) = 24.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.46) = 24.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.36) = 24.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.81) = 22.82\text{ dBm} < 24\text{ dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
54	5270	12.42	12.33	34.556	15.39	16.29	Pass
62	5310	11.91	11.42	29.389	14.68	16.29	Pass
102	5510	12.55	12.29	35.946	15.43	16.29	Pass
110	5550	12.45	12.28	34.481	15.38	16.29	Pass
134	5670	12.87	12.36	36.580	15.63	16.29	Pass
142	5710 For U-NII-2C	11.18	12.58	31.233	14.95	16.29	Pass
142	5710 For U-NII-3	3.03	4.49	4.821	6.83	22.29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.71 - 6) = 16.29\text{dBm}$.
- 5710MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.71 - 6) = 16.29\text{dBm}$.
- 5745~5825MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (40.78) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.70) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.60) = 27.09 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.67) = 27.09 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.67) = 27.09 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.75) = 26.47 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (40.78) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.73) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.71) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.74) = 27.10 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (40.87) = 27.11 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5689.72) = 26.48 \text{ dBm} > 24 \text{ dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
58	5290	11.44	11.36	27.607	14.41	16.29	Pass
106	5530	12.65	12.71	37.069	15.69	16.29	Pass
122	5610	12.77	12.13	35.252	15.47	16.29	Pass
138	5690 For U-NII-2C	12.65	12.22	35.078	15.45	16.29	Pass
138	5690 For U-NII-3	2.18	1.87	27.607	5.04	22.29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.71 - 6) = 16.29\text{dBm}$.
- 5690MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.71 - 6) = 16.29\text{dBm}$.
- 5745~5825MHz Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.

For U-NII-2A, U-NII-2C

Chain 0

- $11\text{dBm} + 10\log (84.07) = 30.25 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (84.04) = 30.24 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.85) = 30.24 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5647.99) = 29.87 \text{ dBm} > 24 \text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log (83.53) = 30.22 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.64) = 30.22 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (83.67) = 30.23 \text{ dBm} > 24 \text{ dBm}$
- $11\text{dBm} + 10\log (5725.00 - 5648.35) = 29.85 \text{ dBm} > 24 \text{ dBm}$

26dB Bandwidth:

Mode A

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.48	19.23
60	5300	19.54	19.12
64	5320	19.59	19.19
100	5500	19.49	19.24
116	5580	19.48	19.18
140	5700	19.55	19.29
144	5720 For U-NII-2C	14.79	14.62
144	5720 For U-NII-3	4.64	4.63

802.11n (HT20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.44	20.38
60	5300	20.52	20.38
64	5320	20.36	20.34
100	5500	20.31	20.47
116	5580	20.26	20.41
140	5700	20.41	20.41
144	5720 For U-NII-2C	15.18	15.17
144	5720 For U-NII-3	5.19	5.22

802.11n (HT40)

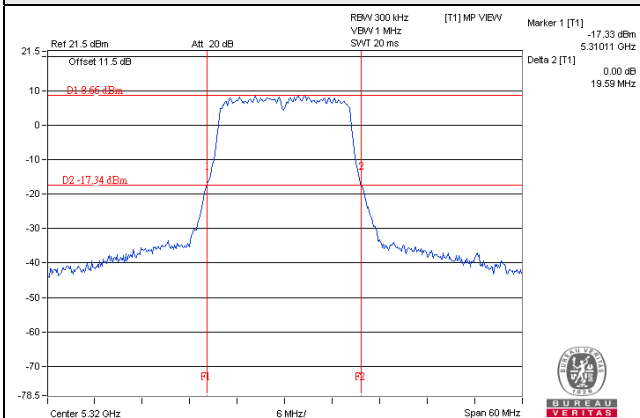
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.64	40.79
62	5310	40.68	40.94
102	5510	40.65	41.03
110	5550	40.75	41.03
134	5670	40.70	40.82
142	5710 For U-NII-2C	35.22	35.36
142	5710 For U-NII-3	5.28	5.63

802.11ac (VHT80)

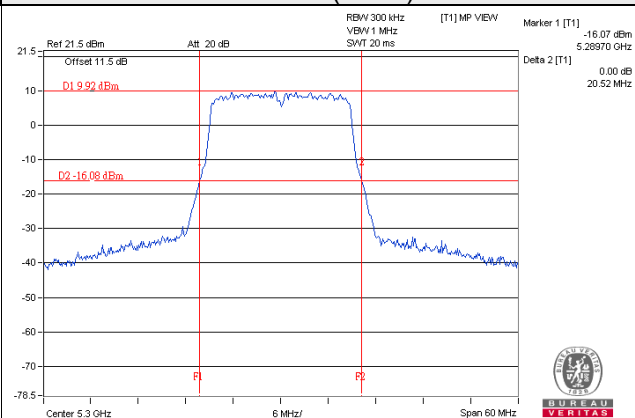
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.87	83.81
106	5530	83.77	83.23
122	5610	83.82	83.49
138	5690 For U-NII-2C	76.90	76.92
138	5690 For U-NII-3	6.87	7.02

Spectrum Plot of Worst Value

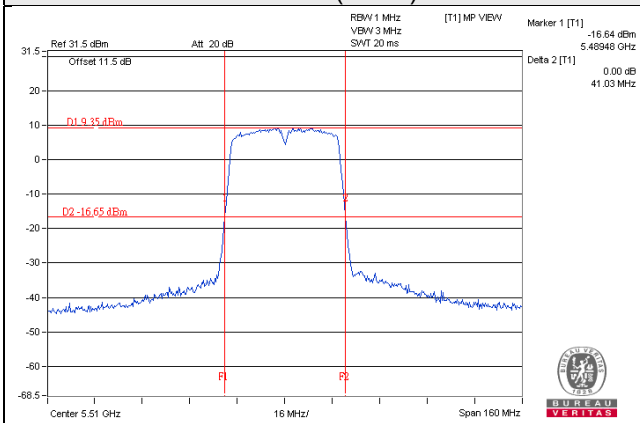
802.11a



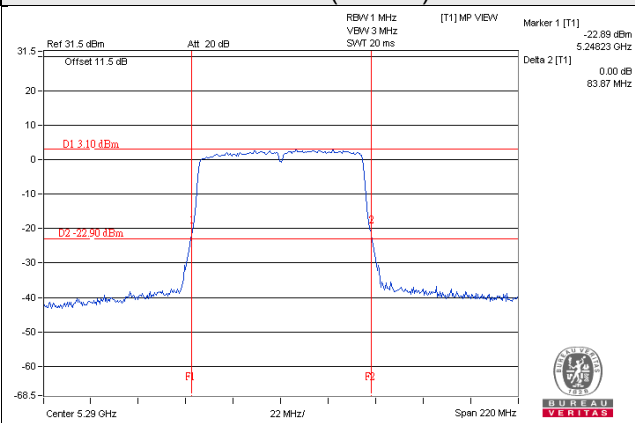
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode B

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.59	19.23
60	5300	19.52	19.19
64	5320	19.57	19.17
100	5500	19.52	19.15
116	5580	19.50	19.23
140	5700	19.45	19.17
144	5720 For U-NII-2C	14.78	15.49
144	5720 For U-NII-3	4.67	4.69

802.11n (HT20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.49	20.39
60	5300	20.41	20.39
64	5320	20.53	20.43
100	5500	20.42	20.37
116	5580	20.34	20.40
140	5700	20.53	20.47
144	5720 For U-NII-2C	15.25	15.36
144	5720 For U-NII-3	5.17	5.63

802.11n (HT40)

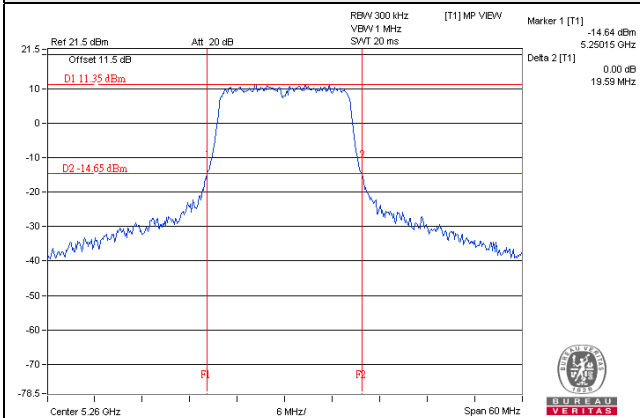
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	41.00	40.84
62	5310	41.06	40.88
102	5510	40.86	40.94
110	5550	40.88	51.23
134	5670	40.97	41.04
142	5710 For U-NII-2C	35.35	39.02
142	5710 For U-NII-3	5.46	7.00

802.11ac (VHT80)

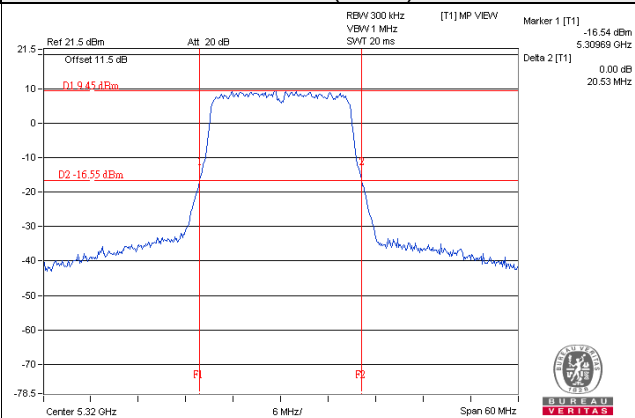
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.94	83.74
106	5530	84.26	83.54
122	5610	83.61	83.74
138	5690 For U-NII-2C	76.81	76.71
138	5690 For U-NII-3	6.96	6.86

Spectrum Plot of Worst Value

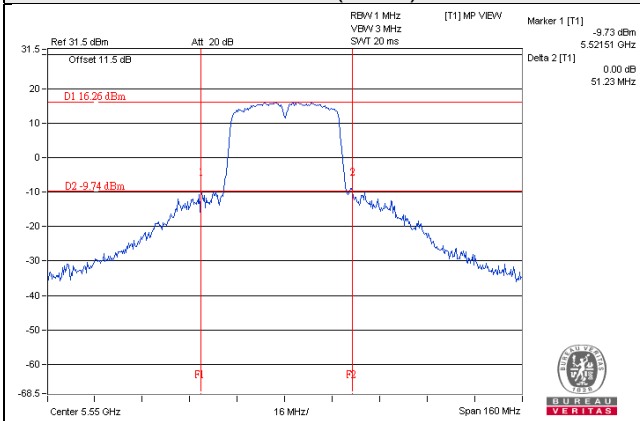
802.11a



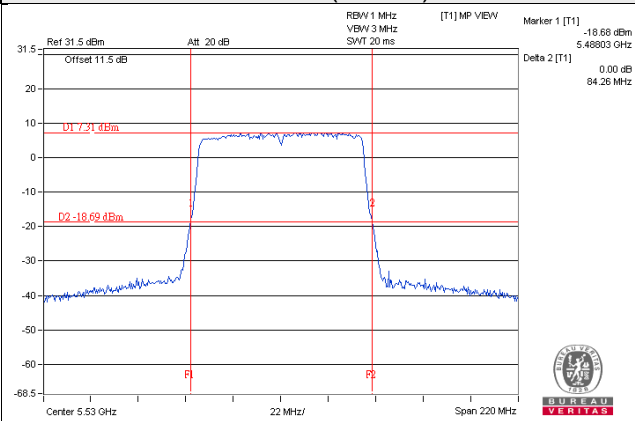
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode C

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.62	19.18
60	5300	19.57	19.13
64	5320	19.64	19.13
100	5500	19.49	19.19
116	5580	19.51	19.29
140	5700	19.54	19.22
144	5720 For U-NII-2C	14.85	14.64
144	5720 For U-NII-3	4.63	4.65

802.11n (HT20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.51	20.32
60	5300	20.40	20.52
64	5320	20.37	20.31
100	5500	20.35	20.32
116	5580	20.31	20.46
140	5700	20.39	20.36
144	5720 For U-NII-2C	15.18	15.19
144	5720 For U-NII-3	5.14	5.25

802.11n (HT40)

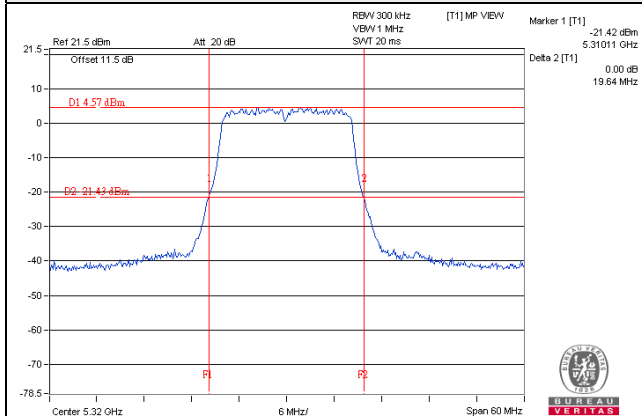
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.78	40.78
62	5310	40.70	40.65
102	5510	40.67	40.74
110	5550	40.67	40.74
134	5670	40.66	40.76
142	5710 For U-NII-2C	35.25	35.28
142	5710 For U-NII-3	5.40	5.47

802.11ac (VHT80)

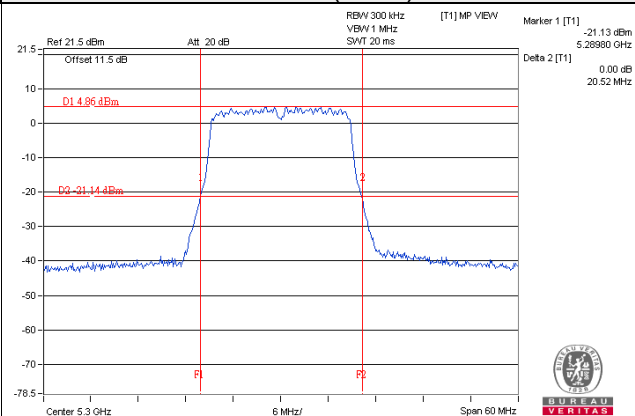
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	84.12	83.71
106	5530	84.03	83.72
122	5610	83.71	83.75
138	5690 For U-NII-2C	77.01	76.65
138	5690 For U-NII-3	6.92	7.07

Spectrum Plot of Worst Value

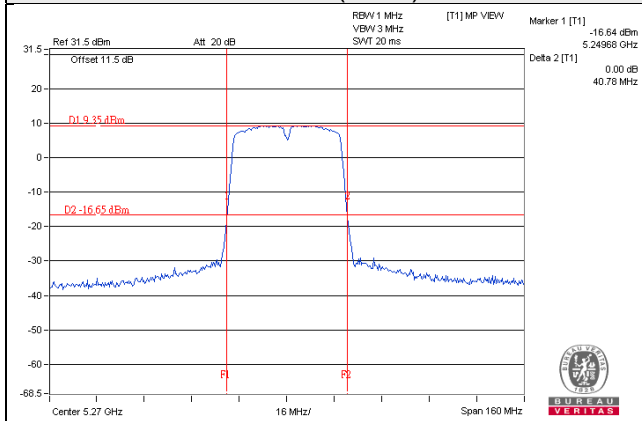
802.11a



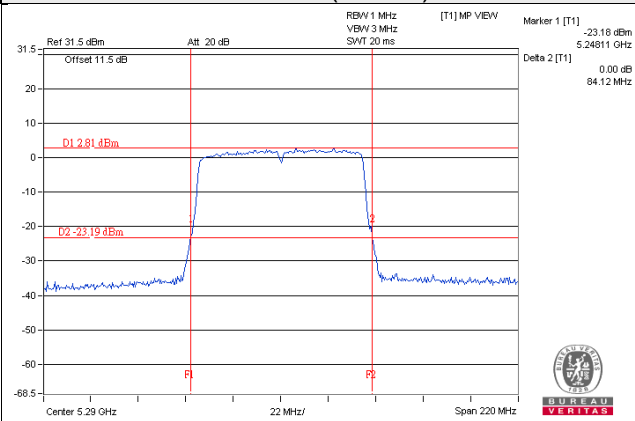
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode D

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.57	19.10
60	5300	19.50	19.14
64	5320	19.59	19.17
100	5500	19.56	19.23
116	5580	19.51	19.23
140	5700	19.44	19.27
144	5720 For U-NII-2C	14.77	14.64
144	5720 For U-NII-3	4.67	4.64

802.11n (HT20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.48	20.36
60	5300	20.44	20.31
64	5320	20.49	20.37
100	5500	20.32	20.29
116	5580	20.38	20.30
140	5700	20.40	20.39
144	5720 For U-NII-2C	15.17	15.24
144	5720 For U-NII-3	5.13	5.21

802.11n (HT40)

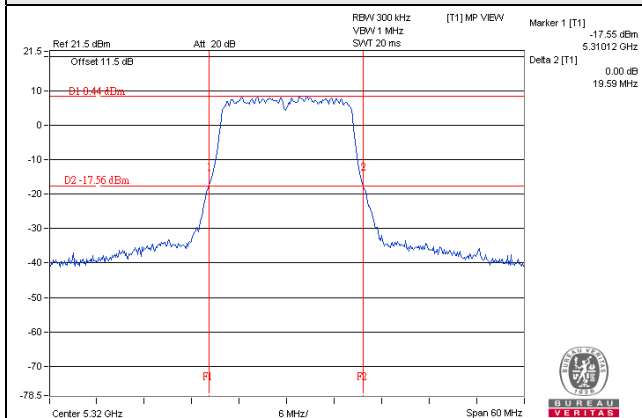
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.77	40.91
62	5310	40.76	40.88
102	5510	40.79	40.76
110	5550	40.80	41.19
134	5670	40.71	40.75
142	5710 For U-NII-2C	35.28	35.56
142	5710 For U-NII-3	5.39	5.55

802.11ac (VHT80)

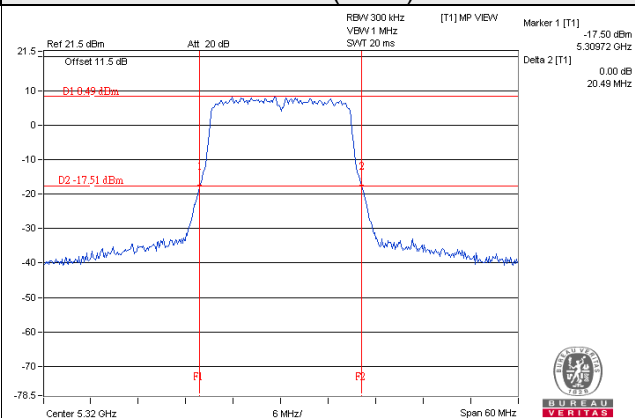
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	84.13	83.59
106	5530	83.90	83.59
122	5610	83.65	83.84
138	5690 For U-NII-2C	76.85	76.62
138	5690 For U-NII-3	6.86	7.00

Spectrum Plot of Worst Value

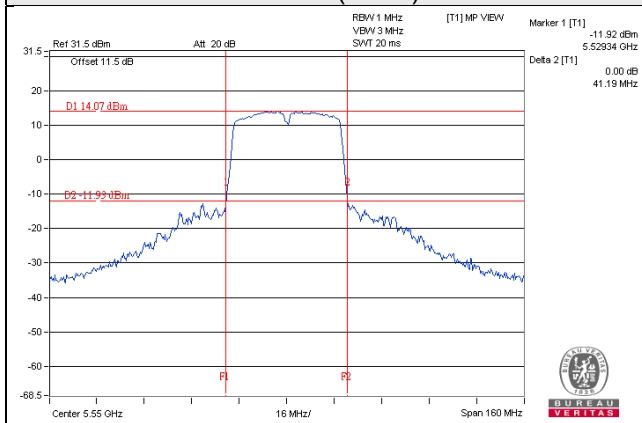
802.11a



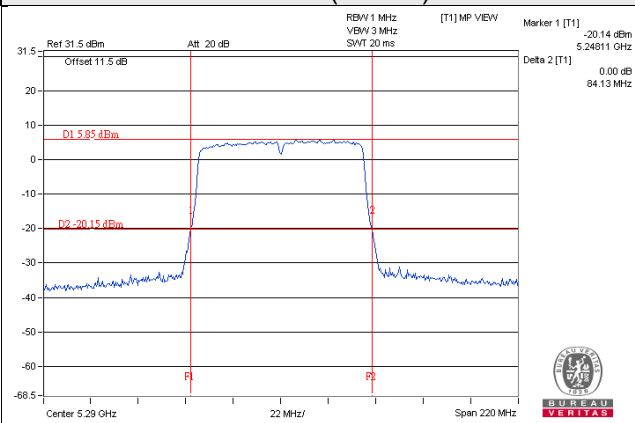
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode E

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.62	19.18
60	5300	19.57	19.13
64	5320	19.64	19.13
100	5500	19.49	19.19
116	5580	19.51	19.29
140	5700	19.54	19.22
144	5720 For U-NII-2C	14.85	14.64
144	5720 For U-NII-3	4.63	4.65

802.11n (HT20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.51	20.32
60	5300	20.40	20.52
64	5320	20.37	20.31
100	5500	20.35	20.32
116	5580	20.31	20.46
140	5700	20.39	20.36
144	5720 For U-NII-2C	15.18	15.19
144	5720 For U-NII-3	5.14	5.25

802.11n (HT40)

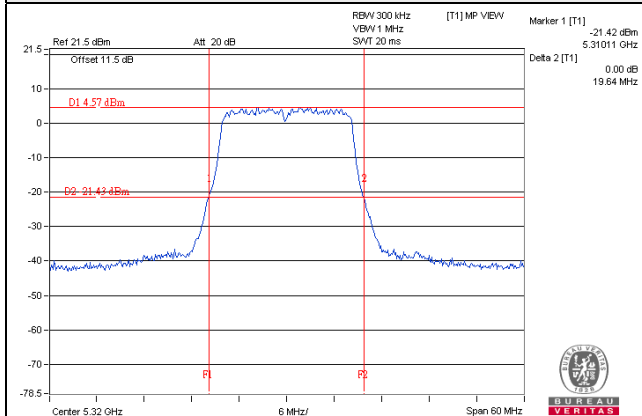
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	40.78	40.78
62	5310	40.70	40.73
102	5510	40.60	40.71
110	5550	40.67	40.74
134	5670	40.67	40.87
142	5710 For U-NII-2C	35.25	35.28
142	5710 For U-NII-3	5.40	5.47

802.11ac (VHT80)

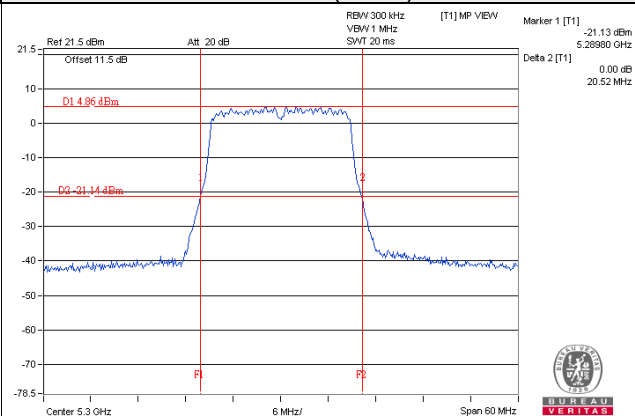
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	84.07	83.53
106	5530	84.04	83.64
122	5610	83.85	83.67
138	5690 For U-NII-2C	77.01	76.65
138	5690 For U-NII-3	6.92	7.07

Spectrum Plot of Worst Value

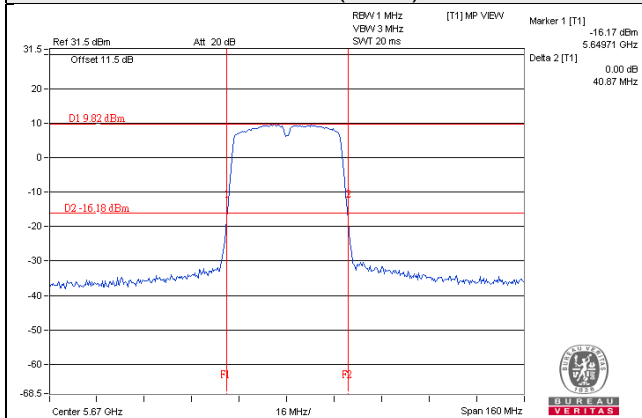
802.11a



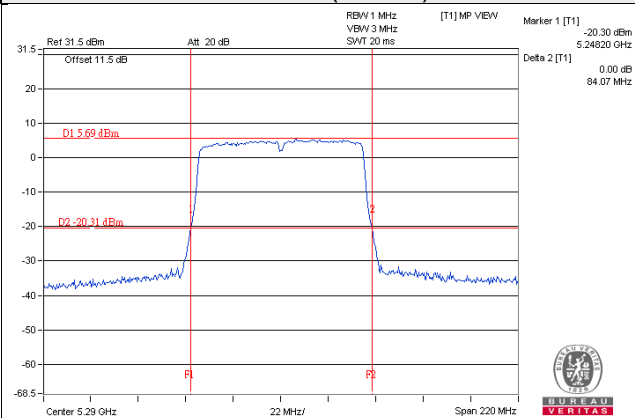
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



EUT Maximum Conducted Power

Mode A

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	70.397	18.48
5470~5725	66.790	18.25

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	69.991	18.45
5470~5725	74.104	18.70

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	143.794	21.58
5470~5725	124.324	20.95

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	49.552	16.95
5470~5725	121.269	20.84

Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	34.995	15.44
5470~5725	37.052	15.69

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	71.897	18.57
5470~5725	62.162	17.94

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	14.157	11.51
5470~5725	60.634	17.83

Mode B

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	195.906	22.92
5470~5725	150.997	21.79

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	191.225	22.82
5470~5725	159.682	22.03

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	248.336	23.95
5470~5725	244.649	23.89

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	55.214	17.42
5470~5725	165.239	22.18

Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	95.612	19.81
5470~5725	79.841	19.02

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	124.168	20.94
5470~5725	122.325	20.88

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	27.607	14.41
5470~5725	82.620	19.17

Mode C

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	38.244	15.83
5470~5725	40.373	16.06

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	38.308	15.83
5470~5725	43.505	16.39

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	69.112	18.40
5470~5725	73.161	18.64

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	26.589	14.25
5470~5725	70.156	18.46

Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	19.154	12.82
5470~5725	21.752	13.38

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	34.556	15.39
5470~5725	36.580	15.63

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	13.295	11.24
5470~5725	35.078	15.45

Mode D

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	103.665	20.16
5470~5725	94.758	19.77

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	102.784	20.12
5470~5725	105.284	20.22

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	207.937	23.18
5470~5725	197.711	22.96

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	64.175	18.07
5470~5725	171.026	22.33

Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	51.392	17.11
5470~5725	52.642	17.21

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	103.969	20.17
5470~5725	98.856	19.95

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	32.087	15.06
5470~5725	85.513	19.32

Mode E

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	38.244	15.83
5470~5725	40.373	16.06

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	38.308	15.83
5470~5725	43.505	16.39

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	69.112	18.40
5470~5725	73.466	18.64

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	55.214	17.42
5470~5725	74.138	18.70

Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	19.154	12.82
5470~5725	21.752	13.38

802.11n (HT40)

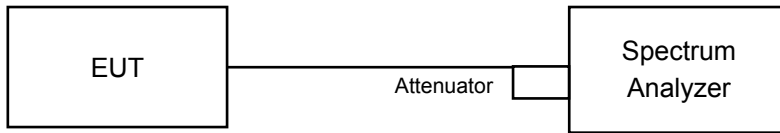
Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	34.556	15.39
5470~5725	36.580	15.63

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	27.607	14.41
5470~5725	37.069	15.69

4.4 Occupied Bandwidth Measurement

4.4.1 Test Setup



4.4.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.4.3 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to sampling. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 %of the total mean power of a given emission.

4.4.4 Test Result

Mode A

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	16.44	16.56
60	5300	16.44	16.44
64	5320	16.44	16.44
100	5500	16.44	16.44
116	5580	16.44	16.56
140	5700	16.44	16.44
144	5720 For U-NII-2C	13.16	13.28
144	5720 For U-NII-3	3.16	3.16

802.11n (HT20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	17.64	17.64
60	5300	17.64	17.64
64	5320	17.64	17.76
100	5500	17.64	17.64
116	5580	17.64	17.64
140	5700	17.64	17.76
144	5720 For U-NII-2C	13.88	13.88
144	5720 For U-NII-3	3.76	3.76

802.11n (HT40)

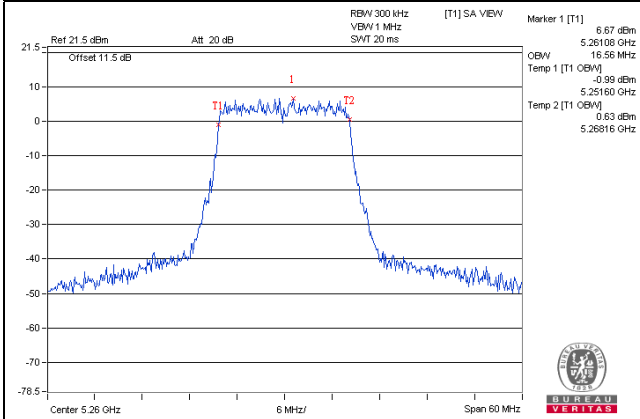
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	36.00	36.24
62	5310	36.00	36.24
102	5510	36.00	36.36
110	5550	36.12	36.12
134	5670	36.12	36.12
142	5710 For U-NII-2C	33.00	33.12
142	5710 For U-NII-3	3.00	3.00

802.11ac (VHT80)

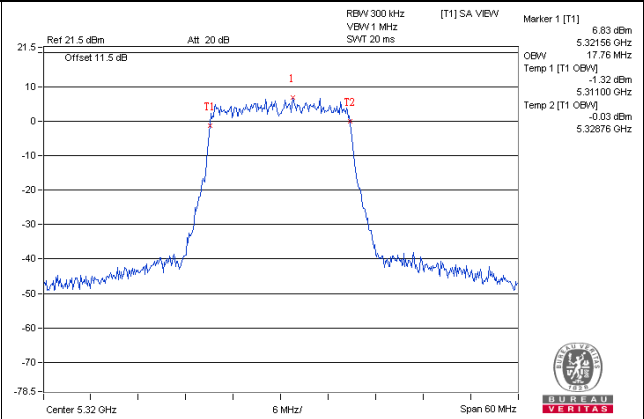
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	75.84	75.84
106	5530	75.84	75.84
122	5610	75.84	75.84
138	5690 For U-NII-2C	73.16	73.16
138	5690 For U-NII-3	2.68	2.68

Spectrum Plot of Worst Value

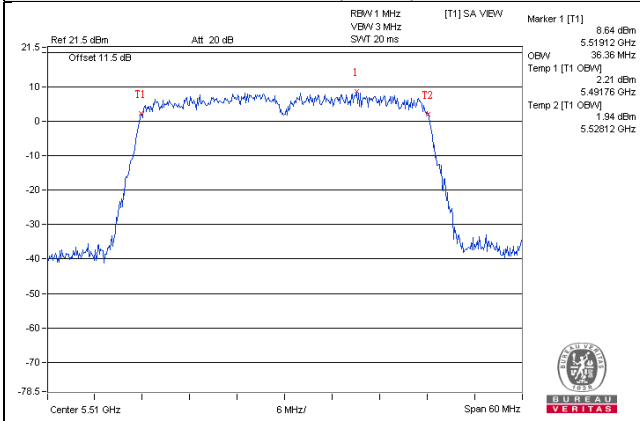
802.11a



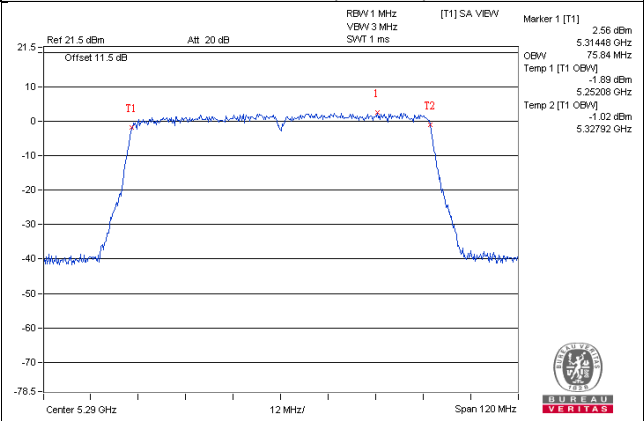
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode B

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	16.44	16.56
60	5300	16.56	16.44
64	5320	16.56	16.56
100	5500	16.44	16.44
116	5580	16.56	16.44
140	5700	16.44	16.44
144	5720 For U-NII-2C	13.28	13.28
144	5720 For U-NII-3	3.16	3.16

802.11n (HT20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	17.64	17.64
60	5300	17.64	17.64
64	5320	17.76	17.64
100	5500	17.64	17.64
116	5580	17.64	17.76
140	5700	17.64	17.64
144	5720 For U-NII-2C	13.88	13.88
144	5720 For U-NII-3	3.76	3.76

802.11n (HT40)

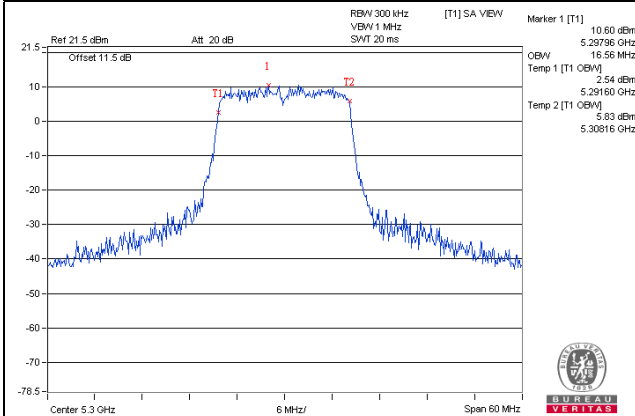
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	36.36	36.36
62	5310	36.24	36.24
102	5510	36.36	36.24
110	5550	36.36	36.24
134	5670	36.24	36.24
142	5710 For U-NII-2C	33.24	33.24
142	5710 For U-NII-3	3.12	3.00

802.11ac (VHT80)

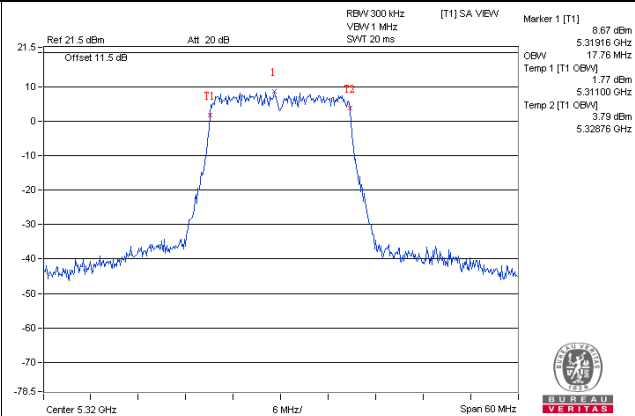
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	75.84	75.84
106	5530	75.84	76.08
122	5610	75.84	75.84
138	5690 For U-NII-2C	73.16	73.16
138	5690 For U-NII-3	2.68	2.68

Spectrum Plot of Worst Value

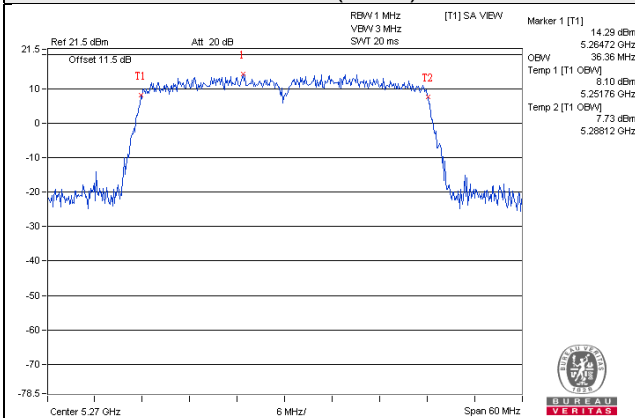
802.11a



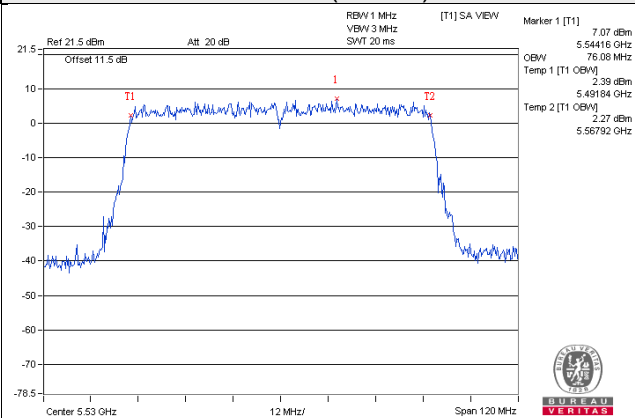
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode C

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	16.44	16.44
60	5300	16.44	16.44
64	5320	16.44	16.44
100	5500	16.44	16.44
116	5580	16.44	16.44
140	5700	16.44	16.44
144	5720 For U-NII-2C	13.28	13.28
144	5720 For U-NII-3	3.04	3.16

802.11n (HT20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	17.64	17.64
60	5300	17.64	17.64
64	5320	17.64	17.64
100	5500	17.64	17.64
116	5580	17.64	17.64
140	5700	17.64	17.64
144	5720 For U-NII-2C	13.88	13.88
144	5720 For U-NII-3	3.76	3.76

802.11n (HT40)

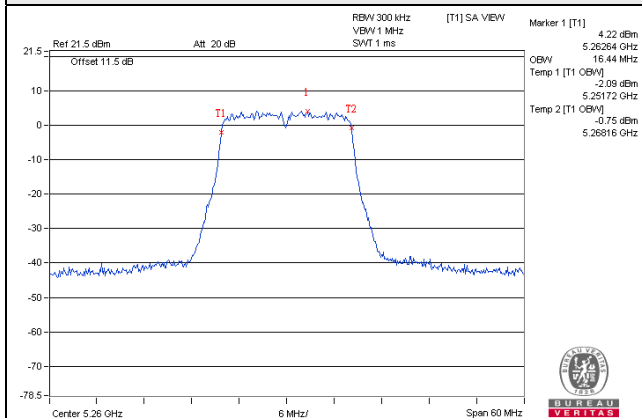
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	36.00	36.00
62	5310	36.00	36.00
102	5510	36.12	36.12
110	5550	36.12	36.12
134	5670	36.12	36.00
142	5710 For U-NII-2C	33.00	33.00
142	5710 For U-NII-3	3.00	3.00

802.11ac (VHT80)

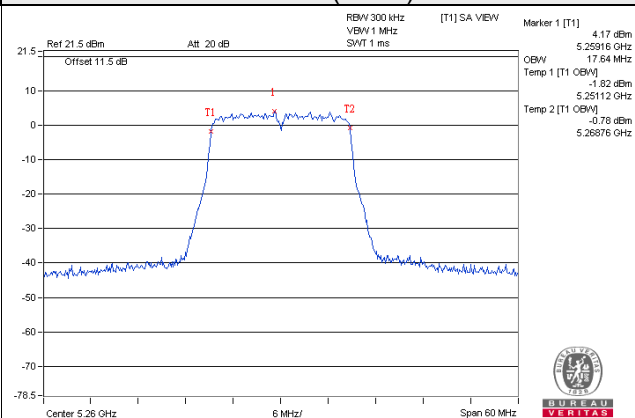
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	75.60	75.84
106	5530	75.84	75.84
122	5610	76.08	76.08
138	5690 For U-NII-2C	72.92	72.92
138	5690 For U-NII-3	2.68	2.92

Spectrum Plot of Worst Value

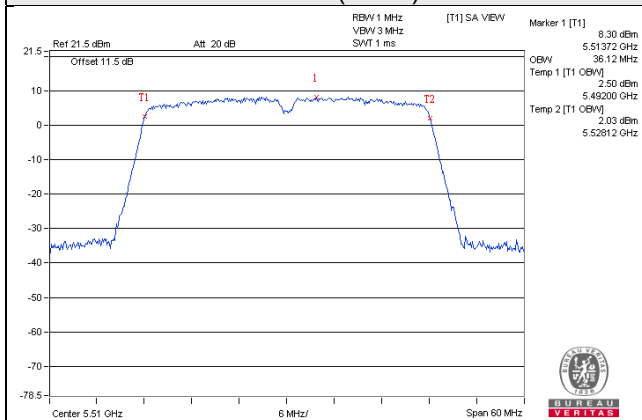
802.11a



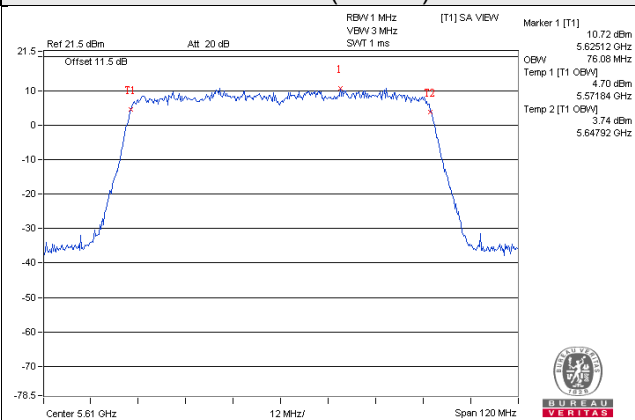
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode D

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	16.44	16.44
60	5300	16.44	16.44
64	5320	16.44	16.44
100	5500	16.44	16.44
116	5580	16.44	16.44
140	5700	16.44	16.44
144	5720 For U-NII-2C	13.28	13.28
144	5720 For U-NII-3	3.04	3.16

802.11n (HT20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	17.64	17.64
60	5300	17.64	17.64
64	5320	17.64	17.64
100	5500	17.64	17.64
116	5580	17.64	17.64
140	5700	17.64	17.64
144	5720 For U-NII-2C	13.88	13.88
144	5720 For U-NII-3	3.76	3.76

802.11n (HT40)

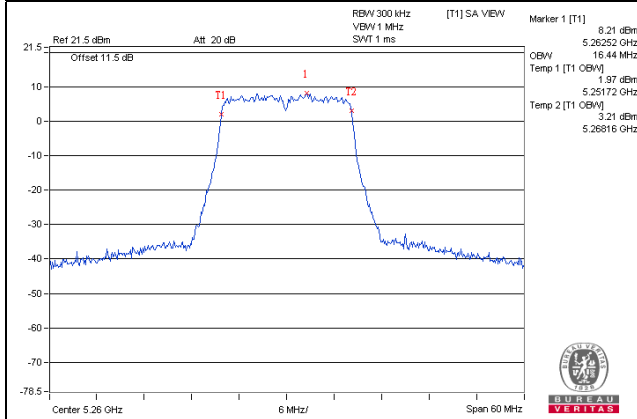
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	36.12	36.00
62	5310	36.12	36.00
102	5510	36.00	36.12
110	5550	36.24	36.12
134	5670	36.00	36.00
142	5710 For U-NII-2C	33.12	33.00
142	5710 For U-NII-3	3.00	3.12

802.11ac (VHT80)

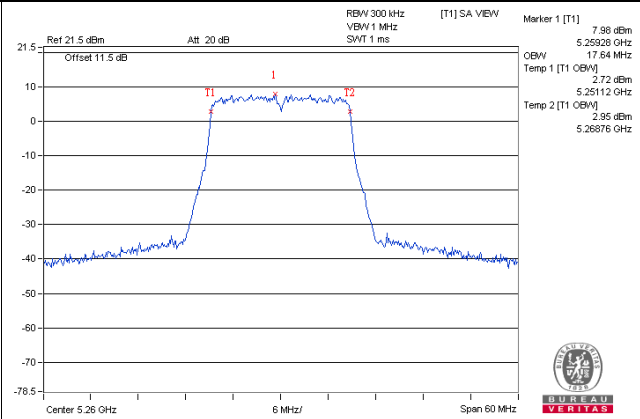
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	75.84	75.84
106	5530	75.84	75.84
122	5610	75.84	75.84
138	5690 For U-NII-2C	72.92	72.92
138	5690 For U-NII-3	2.92	2.92

Spectrum Plot of Worst Value

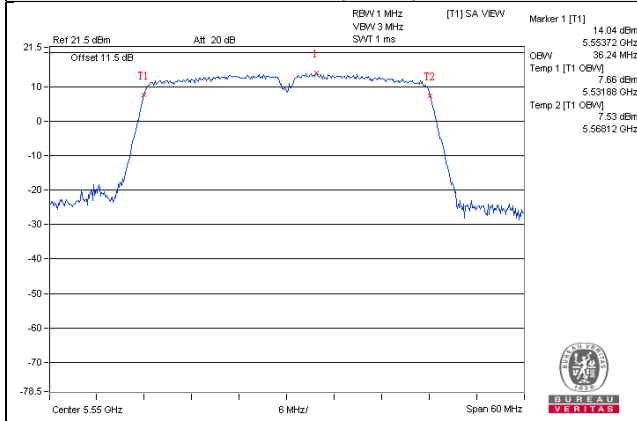
802.11a



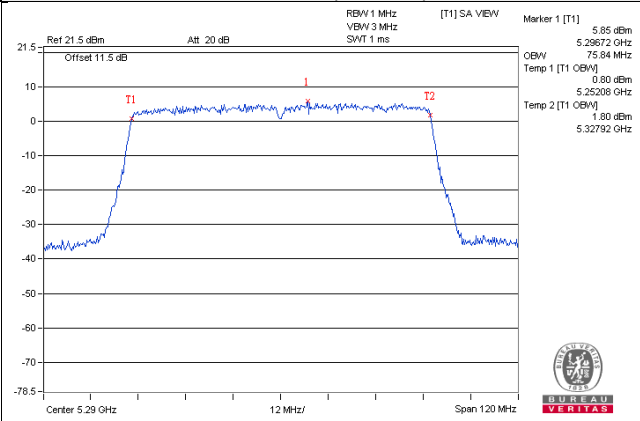
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode E

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	16.44	16.44
60	5300	16.44	16.44
64	5320	16.44	16.44
100	5500	16.44	16.44
116	5580	16.44	16.44
140	5700	16.44	16.44
144	5720 For U-NII-2C	13.28	13.28
144	5720 For U-NII-3	3.04	3.16

802.11n (HT20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	17.64	17.64
60	5300	17.64	17.64
64	5320	17.64	17.64
100	5500	17.64	17.64
116	5580	17.64	17.64
140	5700	17.64	17.64
144	5720 For U-NII-2C	13.88	13.88
144	5720 For U-NII-3	3.76	3.76

802.11n (HT40)

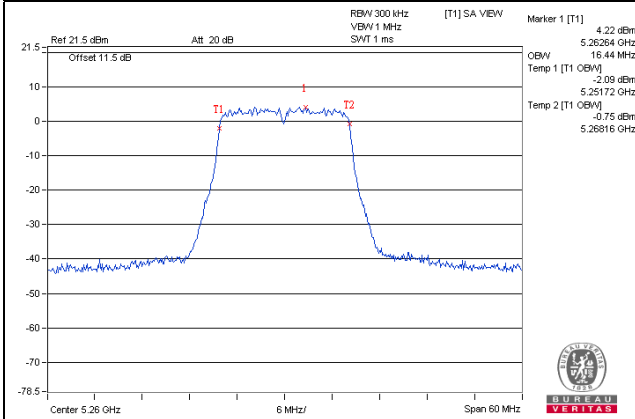
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	36.00	36.00
62	5310	36.00	36.00
102	5510	36.00	36.12
110	5550	36.12	36.12
134	5670	36.00	36.12
142	5710 For U-NII-2C	33.00	33.00
142	5710 For U-NII-3	3.00	3.00

802.11ac (VHT80)

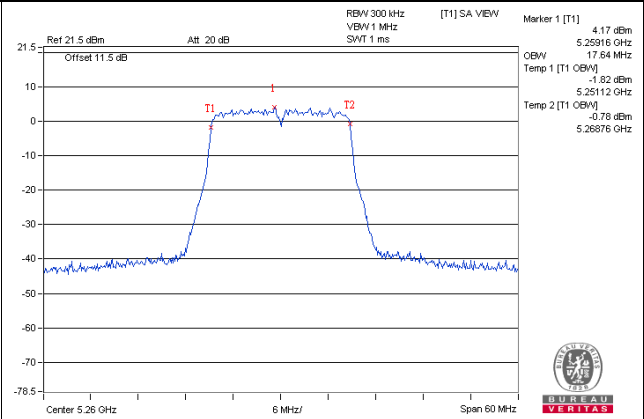
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	75.60	75.84
106	5530	75.84	75.84
122	5610	75.84	75.84
138	5690 For U-NII-2C	72.92	72.92
138	5690 For U-NII-3	2.68	2.92

Spectrum Plot of Worst Value

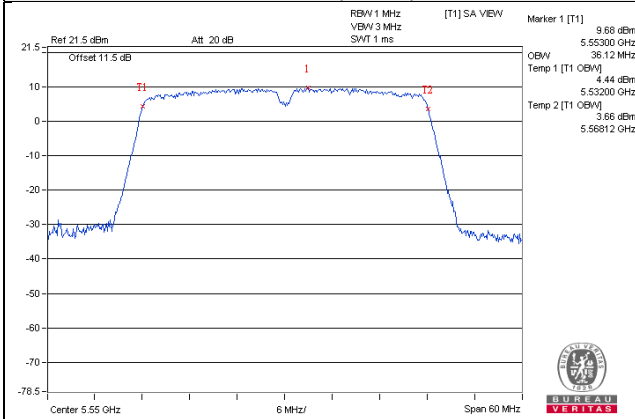
802.11a



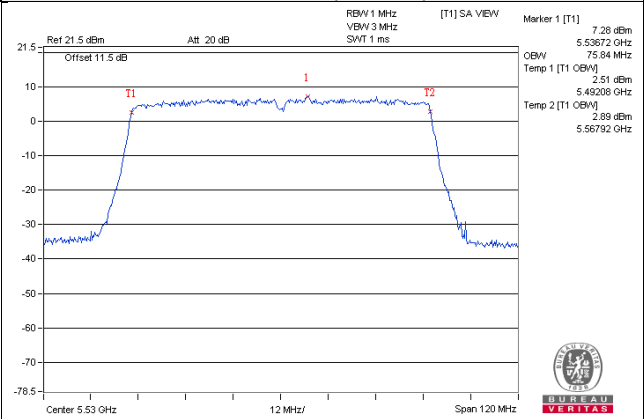
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)

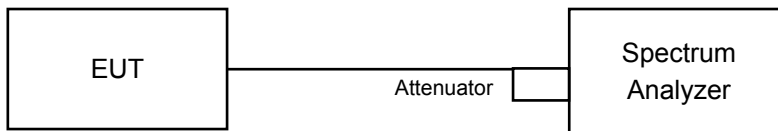


4.5 Peak Power Spectral Density Measurement

4.5.1 Limits of Peak Power Spectral Density Measurement

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	17dBm/ MHz
		Fixed point-to-point Access Point	
		Indoor Access Point	
		Mobile and Portable client device	
U-NII-2A	√		11dBm/ MHz
U-NII-2C	√		11dBm/ MHz
U-NII-3	√		30dBm/ 500kHz

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedures

For U-NII-1, U-NII-2A, U-NII-2C Band

Duty cycle of test signal is $\geq 98\%$

Using method SA-1

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1MHz, Set VBW ≥ 3 MHz, Detector = RMS.
- 3) Set Channel power measure = 1MHz.
- 4) Sweep time = auto, trigger set to "free run".
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Record the max value.

Duty cycle of test signal is $< 98\%$

Using method SA-2

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1MHz, Set VBW ≥ 3 MHz, Detector = RMS.
- 3) Set Channel power measure = 1MHz.
- 4) Sweep time = auto, trigger set to "free run".
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Record the max value and add $10 \log (1/\text{duty cycle})$.

For U-NII-3 Band

Duty cycle of test signal is $\geq 98\%$

Using method SA-1

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS.
- 3) Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
- 4) Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(500 \text{ kHz} / 300 \text{ kHz})$.
- 5) Sweep time = auto, trigger set to "free run".
- 6) Trace average at least 100 traces in power averaging mode.
- 7) Record the max value.

Duty cycle of test signal is $< 98\%$

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS.
- 3) Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
- 4) Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10\log(500 \text{ kHz} / 300 \text{ kHz})$.
- 5) Sweep time = auto, trigger set to "free run".
- 6) Trace average at least 100 traces in power averaging mode.
- 7) Record the max value and add $10 \log (1/\text{duty cycle})$.

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Conditions

Same as 4.3.6.

4.5.7 Test Results

Mode A

For U-NII-2A, U-NII-2C band

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
52	5260	2.21	1.46	0.15	5.01	5.74	Pass
60	5300	2.46	1.45	0.15	5.14	5.74	Pass
64	5320	2.03	1.15	0.15	4.77	5.74	Pass
100	5500	2.34	1.95	0.15	5.31	5.74	Pass
116	5580	2.42	2.13	0.15	5.43	5.74	Pass
140	5700	1.66	0.28	0.15	4.18	5.74	Pass
144	5720 For U-NII-2C	1.45	2.79	0.15	5.33	5.74	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.26 - 6) = 5.74\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
52	5260	1.91	1.49	4.72	5.74	Pass
60	5300	1.98	1.60	4.80	5.74	Pass
64	5320	2.27	1.64	4.98	5.74	Pass
100	5500	2.33	1.80	5.08	5.74	Pass
116	5580	2.34	1.59	4.99	5.74	Pass
140	5700	1.80	0.20	4.08	5.74	Pass
144	5720 For U-NII-2C	1.75	2.44	5.12	5.74	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.26 - 6) = 5.74\text{dBm}$.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
54	5270	2.31	1.81	0.11	5.19	5.74	Pass
62	5310	-1.80	-2.56	0.11	0.96	5.74	Pass
102	5510	-0.86	-1.45	0.11	1.98	5.74	Pass
110	5550	2.28	1.84	0.11	5.19	5.74	Pass
134	5670	0.93	-1.60	0.11	2.97	5.74	Pass
142	5710 For U-NII-2C	2.21	0.42	0.11	4.53	5.74	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.26 - 6) = 5.74\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

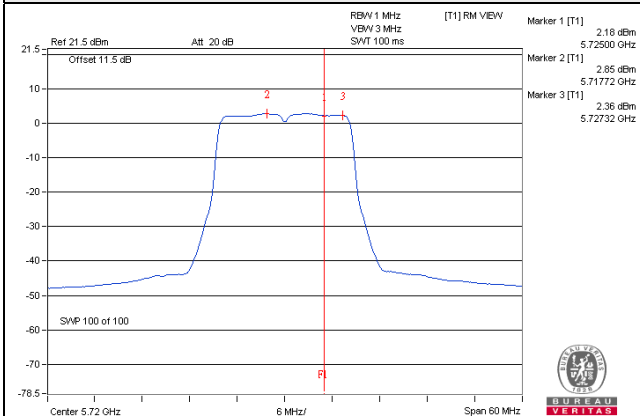
Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
58	5290	-7.61	-8.17	0.26	-4.61	5.74	Pass
106	5530	-4.82	-5.62	0.26	-1.93	5.74	Pass
122	5610	-5.72	-6.07	0.26	-2.62	5.74	Pass
138	5690 For U-NII-2C	-1.47	-3.70	0.26	0.83	5.74	Pass

Note:

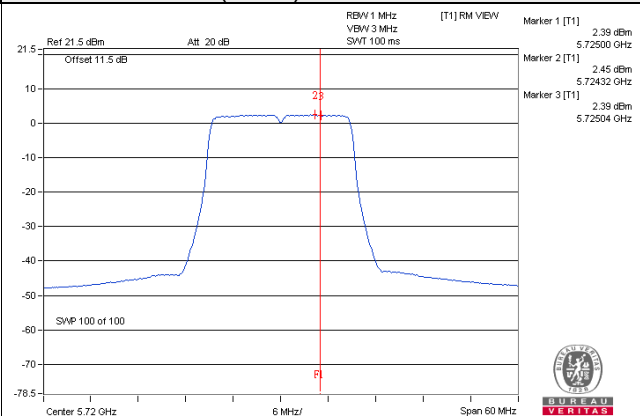
- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (11.26 - 6) = 5.74\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

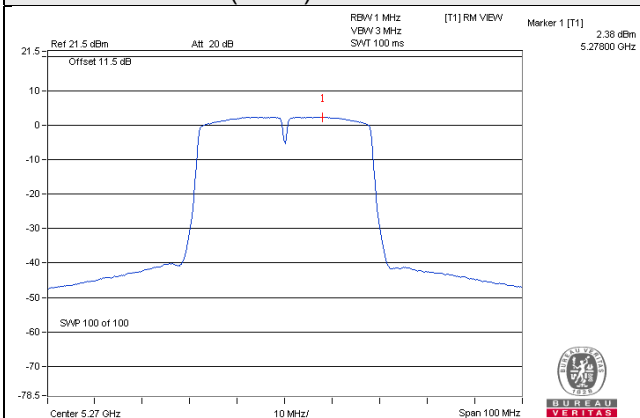
802.11a / Chain 1 / CH 144



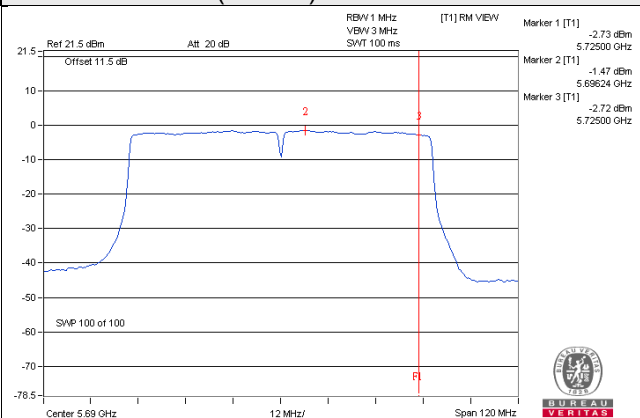
802.11n (HT20) / Chain 1 / CH 144



802.11n (HT40) / Chain 0 / CH 54



802.11ac (VHT80) / Chain 0 / CH 138



For U-NII-3 band

802.11a

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 For U-NII-3	-7.32	-5.10	3.01	0.15	-1.94	24.74	Pass
1	144	5720 For U-NII-3	-6.05	-3.83	3.01	0.15	-0.67	24.74	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.26 - 6) = 24.74\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	144	5720 For U-NII-3	-6.83	-4.61	3.01	-1.60	24.74	Pass
1	144	5720 For U-NII-3	-5.84	-3.62	3.01	-0.61	24.74	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.26 - 6) = 24.74\text{dBm}$.

802.11n (HT40)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	142	5710 For U-NII-3	-8.21	-5.99	3.01	0.11	-2.87	24.74	Pass
1	142	5710 For U-NII-3	-8.93	-6.71	3.01	0.11	-3.59	24.74	Pass

Note:

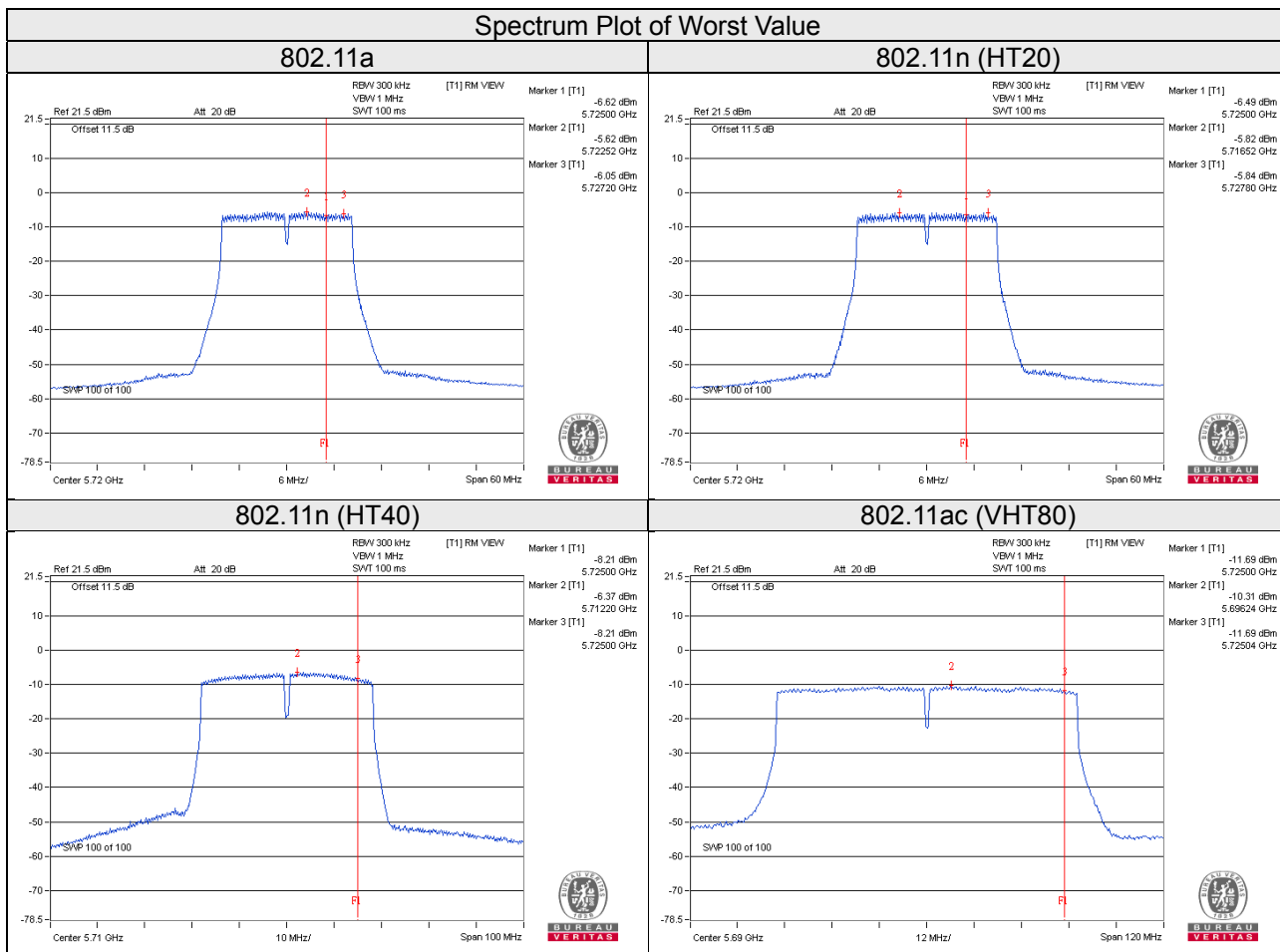
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.26 - 6) = 24.74\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-11.69	-9.47	3.01	0.26	-6.20	24.74	Pass
1	138	5690 For U-NII-3	-12.53	-10.31	3.01	0.26	-7.04	24.74	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $8.25 + 10\log(2) = 11.26\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (11.26 - 6) = 24.74\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.



Mode B

For U-NII-2A, U-NII-2C band

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
52	5260	5.53	5.88	0.15	8.86	8.99	Pass
60	5300	5.61	5.77	0.15	8.85	8.99	Pass
64	5320	4.01	4.54	0.15	7.44	8.99	Pass
100	5500	5.51	5.84	0.15	8.83	8.99	Pass
116	5580	5.49	5.91	0.15	8.86	8.99	Pass
140	5700	0.52	1.14	0.15	4.00	8.99	Pass
144	5720 For U-NII-2C	5.68	5.86	0.15	8.93	8.99	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (8.01 - 6) = 8.99\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
52	5260	5.52	6.29	8.93	8.99	Pass
60	5300	5.65	6.09	8.89	8.99	Pass
64	5320	3.92	4.55	7.26	8.99	Pass
100	5500	5.67	5.95	8.82	8.99	Pass
116	5580	5.66	5.75	8.72	8.99	Pass
140	5700	0.37	0.53	3.46	8.99	Pass
144	5720 For U-NII-2C	5.53	5.42	8.49	8.99	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (8.01 - 6) = 8.99\text{dBm}$.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
54	5270	3.96	4.50	0.11	7.36	8.99	Pass
62	5310	-1.66	-1.24	0.11	1.68	8.99	Pass
102	5510	-0.48	-0.28	0.11	2.74	8.99	Pass
110	5550	5.40	5.59	0.11	8.62	8.99	Pass
134	5670	-0.65	-0.25	0.11	2.68	8.99	Pass
142	5710 For U-NII-2C	2.67	2.90	0.11	5.91	8.99	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (8.01 - 6) = 8.99\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

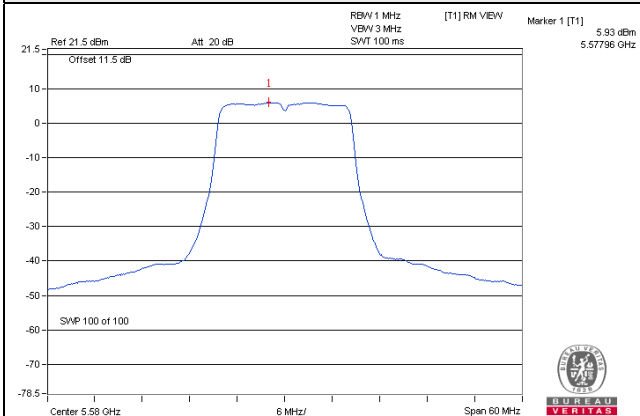
Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
58	5290	-5.85	-5.60	0.26	-2.45	8.99	Pass
106	5530	-3.77	-3.60	0.26	-0.41	8.99	Pass
122	5610	-1.63	-1.26	0.26	1.83	8.99	Pass
138	5690 For U-NII-2C	-1.31	-1.70	0.26	1.77	8.99	Pass

Note:

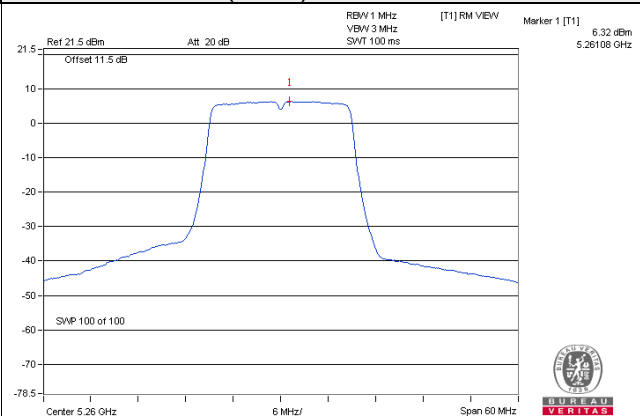
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (8.01 - 6) = 8.99\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

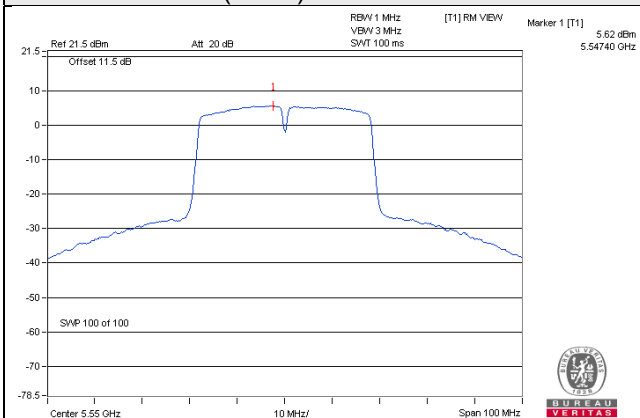
802.11a / Chain 1 / CH 116



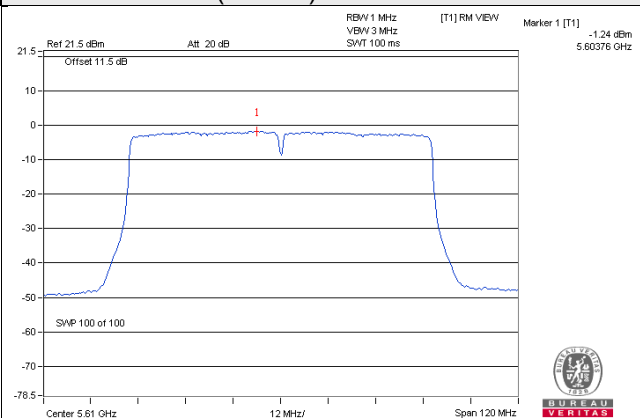
802.11n (HT20) / Chain 1 / CH 52



802.11n (HT40) / Chain 1 / CH 110



802.11ac (VHT80) / Chain 1 / CH 122



For U-NII-3 band

802.11a

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 For U-NII-3	-2.59	-0.37	3.01	0.15	2.79	27.99	Pass
1	144	5720 For U-NII-3	-2.48	-0.26	3.01	0.15	2.90	27.99	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (8.01 - 6) = 27.99\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	144	5720 For U-NII-3	-2.58	-0.36	3.01	2.65	27.99	Pass
1	144	5720 For U-NII-3	-2.08	0.14	3.01	3.15	27.99	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (8.01 - 6) = 27.99\text{dBm}$.

802.11n (HT40)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	142	5710 For U-NII-3	-7.25	-5.03	3.01	0.11	-1.91	27.99	Pass
1	142	5710 For U-NII-3	-6.66	-4.44	3.01	0.11	-1.32	27.99	Pass

Note:

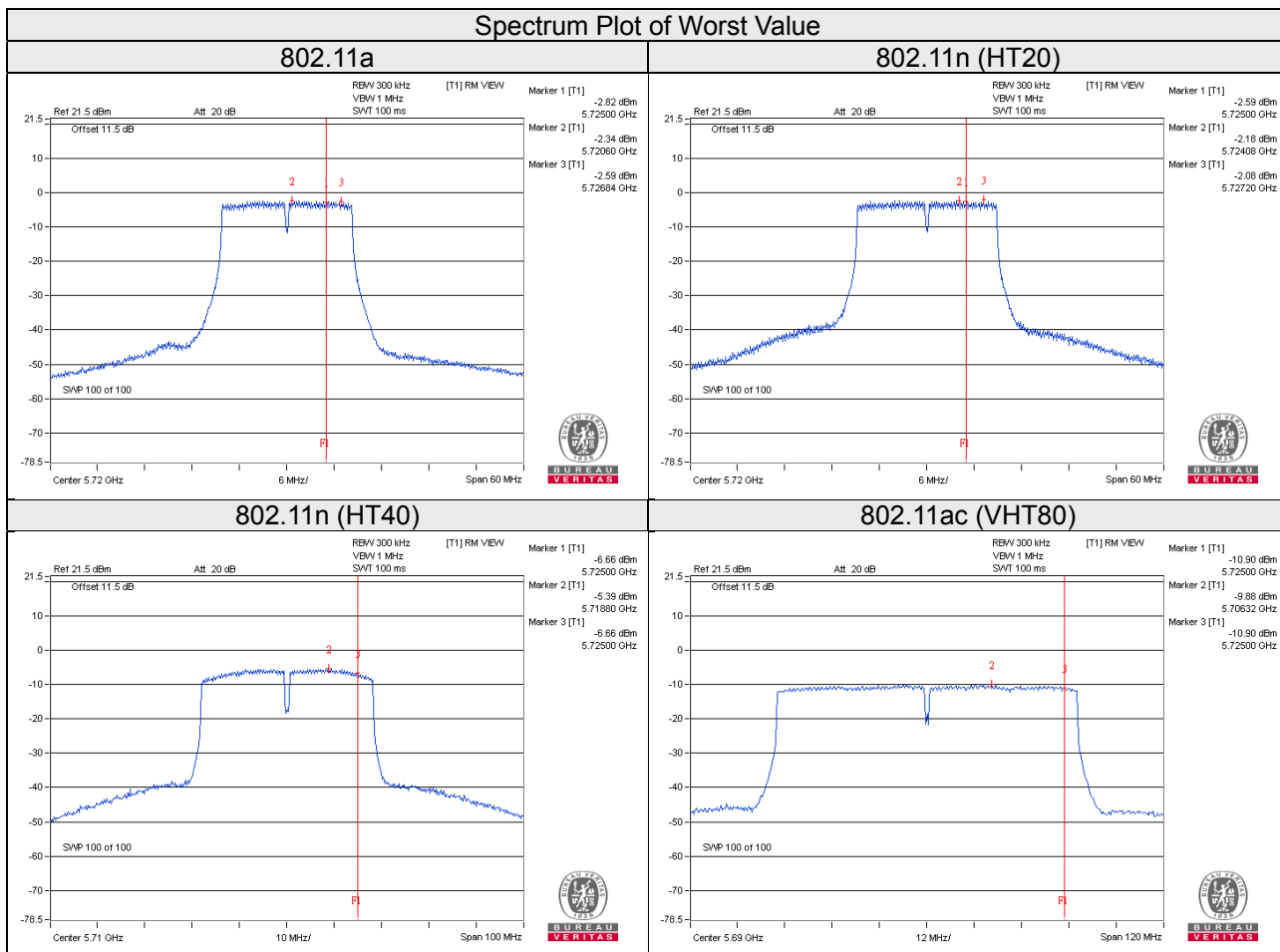
- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (8.01 - 6) = 27.99\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-11.20	-8.98	3.01	0.26	-5.71	27.99	Pass
1	138	5690 For U-NII-3	-10.90	-8.68	3.01	0.26	-5.41	27.99	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $5 + 10\log(2) = 8.01\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (8.01 - 6) = 27.99\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.



Mode C

For U-NII-2A, U-NII-2C band

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
52	5260	-0.24	0.10	0.15	3.09	3.29	Pass
60	5300	-0.10	0.13	0.15	3.17	3.29	Pass
64	5320	-0.15	0.09	0.15	3.13	3.29	Pass
100	5500	0.03	0.03	0.15	3.19	3.29	Pass
116	5580	-0.08	-0.05	0.15	3.09	3.29	Pass
140	5700	-0.38	-0.07	0.15	2.93	3.29	Pass
144	5720 For U-NII-2C	-0.09	0.21	0.15	3.22	3.29	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.71 - 6) = 3.29\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
52	5260	-0.41	0.37	3.01	3.29	Pass
60	5300	-0.27	0.28	3.02	3.29	Pass
64	5320	-0.29	0.31	3.03	3.29	Pass
100	5500	0.05	0.23	3.15	3.29	Pass
116	5580	0.24	-0.07	3.10	3.29	Pass
140	5700	-0.20	-0.37	2.73	3.29	Pass
144	5720 For U-NII-2C	-0.08	0.52	3.24	3.29	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.71 - 6) = 3.29\text{dBm}$.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
54	5270	-0.53	0.03	0.11	2.88	3.29	Pass
62	5310	-2.34	-1.79	0.11	1.06	3.29	Pass
102	5510	-1.54	-1.49	0.11	1.61	3.29	Pass
110	5550	-0.03	0.00	0.11	3.11	3.29	Pass
134	5670	-0.55	-0.74	0.11	2.48	3.29	Pass
142	5710 For U-NII-2C	-0.83	-0.20	0.11	2.62	3.29	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.71 - 6) = 3.29\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

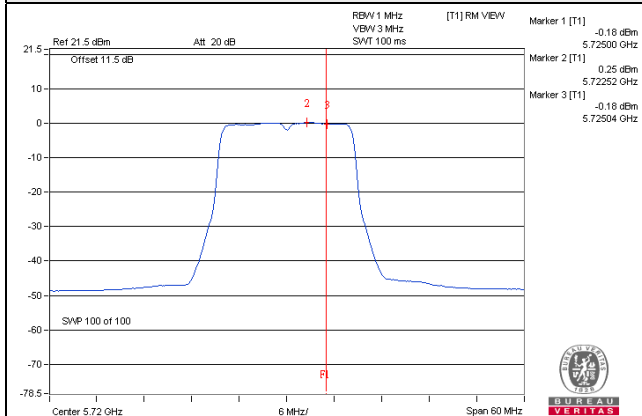
Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
58	5290	-7.96	-7.78	0.26	-4.59	3.29	Pass
106	5530	-6.25	-6.43	0.26	-3.07	3.29	Pass
122	5610	-3.98	-4.43	0.26	-0.92	3.29	Pass
138	5690 For U-NII-2C	-4.28	-3.69	0.26	-0.70	3.29	Pass

Note:

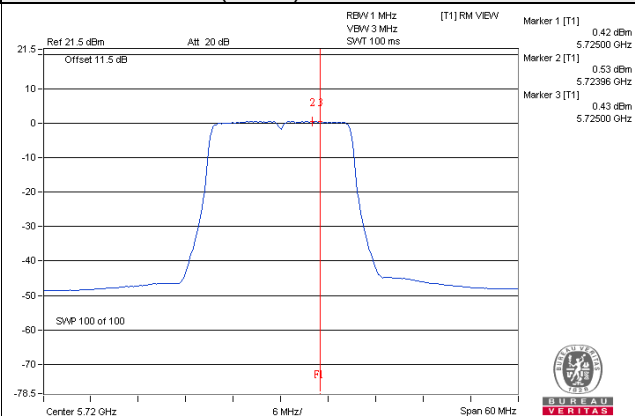
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.71 - 6) = 3.29\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

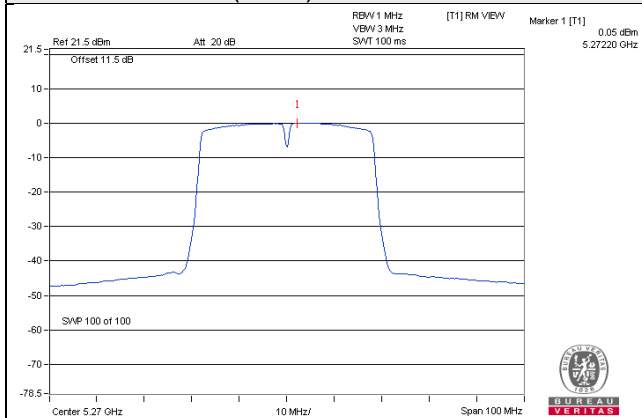
802.11a / Chain 1 / CH 144



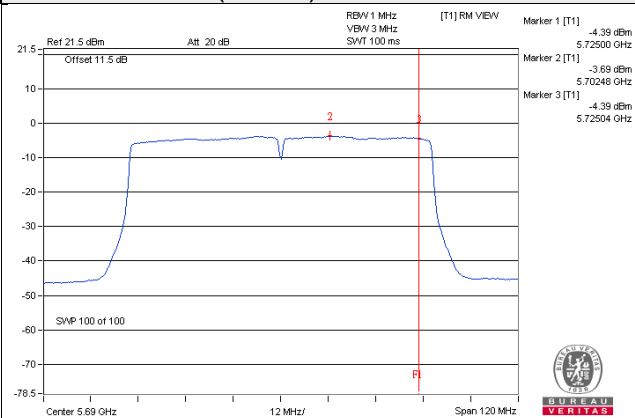
802.11n (HT20) / Chain 1 / CH 144



802.11n (HT40) / Chain 1 / CH 54



802.11ac (VHT80) / Chain 1 / CH 138



For U-NII-3 band

802.11a

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 For U-NII-3	-8.64	-6.42	3.01	0.15	-3.26	22.29	Pass
1	144	5720 For U-NII-3	-8.62	-6.40	3.01	0.15	-3.24	22.29	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	144	5720 For U-NII-3	-8.53	-6.31	3.01	-3.30	22.29	Pass
1	144	5720 For U-NII-3	-7.83	-5.61	3.01	-2.60	22.29	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.

802.11n (HT40)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	142	5710 For U-NII-3	-11.16	-8.94	3.01	0.11	-5.82	22.29	Pass
1	142	5710 For U-NII-3	-10.21	-7.99	3.01	0.11	-4.87	22.29	Pass

Note:

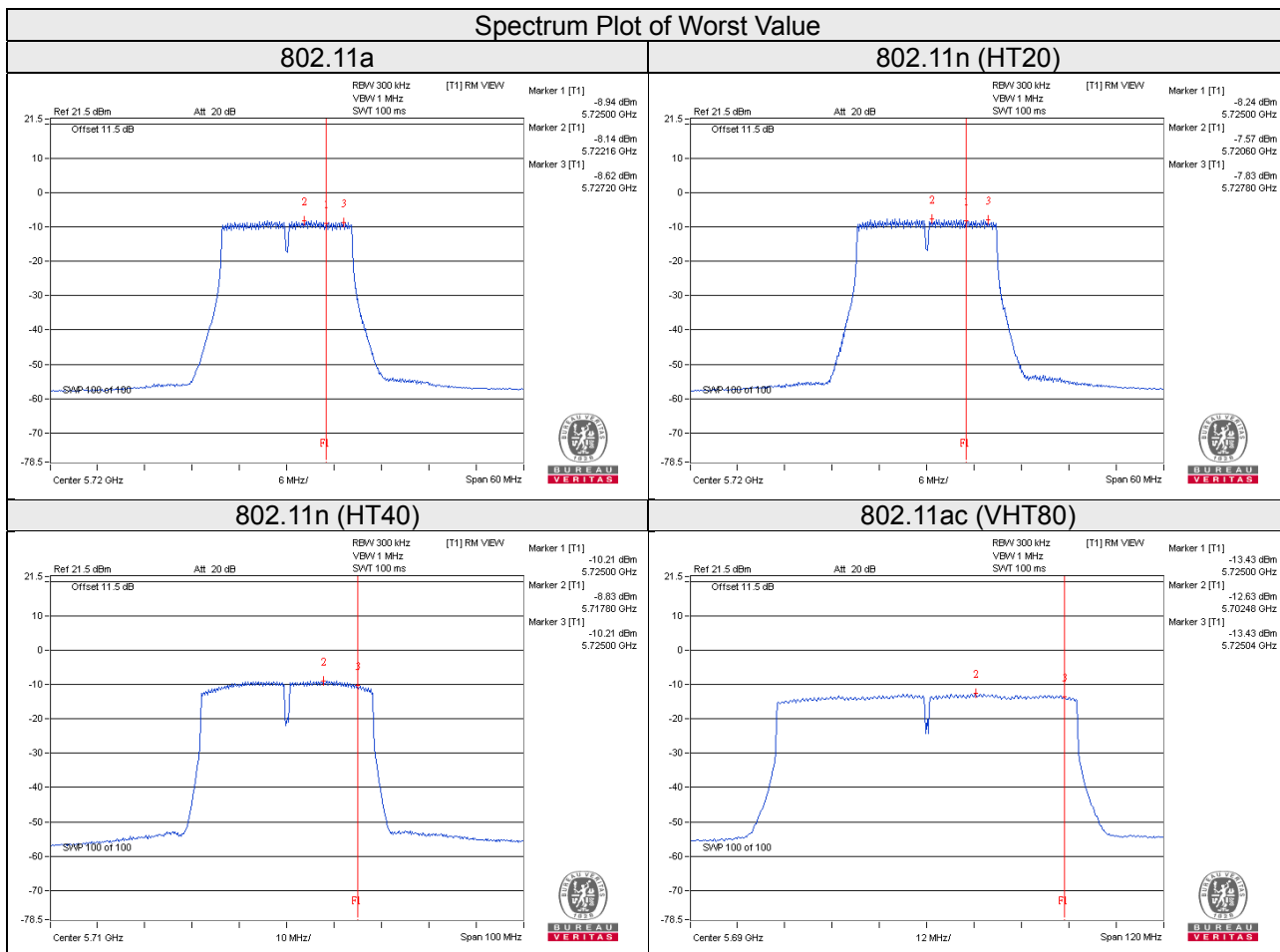
- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-14.12	-11.90	3.01	0.26	-8.63	22.29	Pass
1	138	5690 For U-NII-3	-13.43	-11.21	3.01	0.26	-7.94	22.29	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.



Mode D

For U-NII-2A, U-NII-2C band

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
52	5260	3.70	4.05	0.15	7.03	7.29	Pass
60	5300	3.86	4.10	0.15	7.14	7.29	Pass
64	5320	3.70	4.14	0.15	7.08	7.29	Pass
100	5500	3.62	3.81	0.15	6.87	7.29	Pass
116	5580	3.16	3.72	0.15	6.60	7.29	Pass
140	5700	3.16	3.94	0.15	6.72	7.29	Pass
144	5720 For U-NII-2C	3.15	4.11	0.15	6.81	7.29	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (9.71 - 6) = 7.29\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
52	5260	3.56	4.03	6.81	7.29	Pass
60	5300	3.58	4.02	6.82	7.29	Pass
64	5320	3.61	4.12	6.88	7.29	Pass
100	5500	4.07	4.20	7.15	7.29	Pass
116	5580	3.80	3.77	6.80	7.29	Pass
140	5700	3.00	4.33	6.73	7.29	Pass
144	5720 For U-NII-2C	3.73	4.21	6.99	7.29	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (9.71 - 6) = 7.29\text{dBm}$.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
54	5270	3.62	4.34	0.11	7.12	7.29	Pass
62	5310	0.39	0.78	0.11	3.71	7.29	Pass
102	5510	0.69	1.06	0.11	4.00	7.29	Pass
110	5550	3.87	4.18	0.11	7.15	7.29	Pass
134	5670	1.97	1.77	0.11	4.99	7.29	Pass
142	5710 For U-NII-2C	3.68	4.35	0.11	7.15	7.29	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (9.71 - 6) = 7.29\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

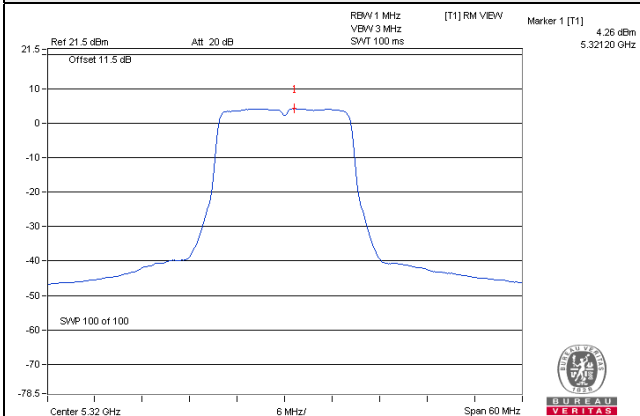
Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
58	5290	-4.65	-4.36	0.26	-1.23	7.29	Pass
106	5530	-2.57	-2.27	0.26	0.86	7.29	Pass
122	5610	-0.47	-0.68	0.26	2.70	7.29	Pass
138	5690 For U-NII-2C	-0.22	0.19	0.26	3.26	7.29	Pass

Note:

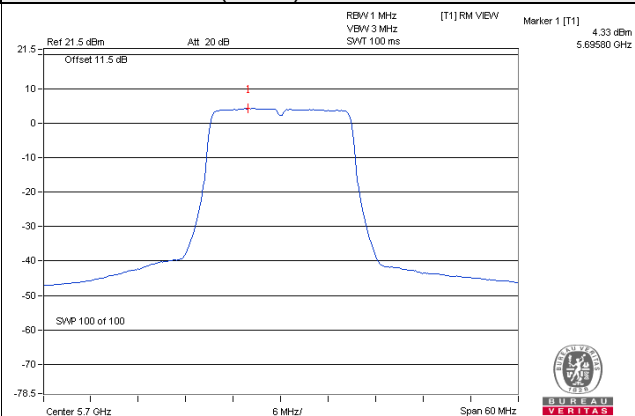
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (9.71 - 6) = 7.29\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

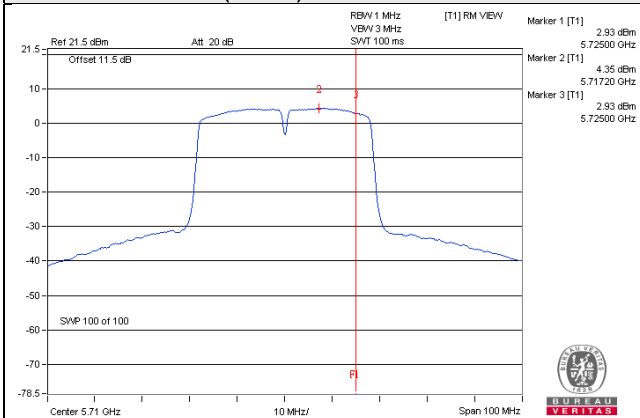
802.11a / Chain 1 / CH 64



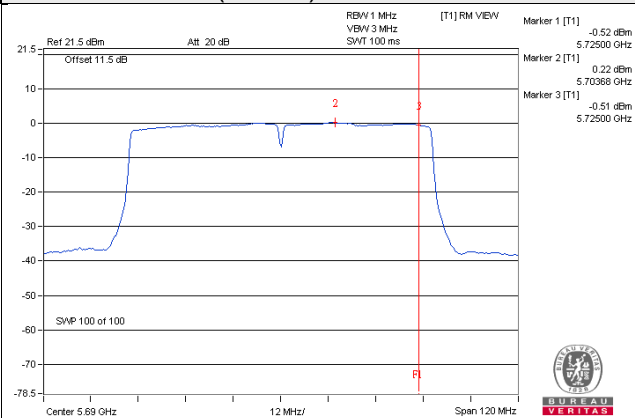
802.11n (HT20) / Chain 1 / CH 140



802.11n (HT40) / Chain 1 / CH 142



802.11ac (VHT80) / Chain 1 / CH 138



For U-NII-3 band

802.11a

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 For U-NII-3	-5.34	-3.12	3.01	0.15	0.04	26.29	Pass
1	144	5720 For U-NII-3	-4.86	-2.64	3.01	0.15	0.52	26.29	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (9.71 - 6) = 26.29\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	144	5720 For U-NII-3	-4.94	-2.72	3.01	0.29	26.29	Pass
1	144	5720 For U-NII-3	-4.01	-1.79	3.01	1.22	26.29	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (9.71 - 6) = 26.29\text{dBm}$.

802.11n (HT40)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	142	5710 For U-NII-3	-6.53	-4.31	3.01	0.11	-1.19	26.29	Pass
1	142	5710 For U-NII-3	-5.88	-3.66	3.01	0.11	-0.54	26.29	Pass

Note:

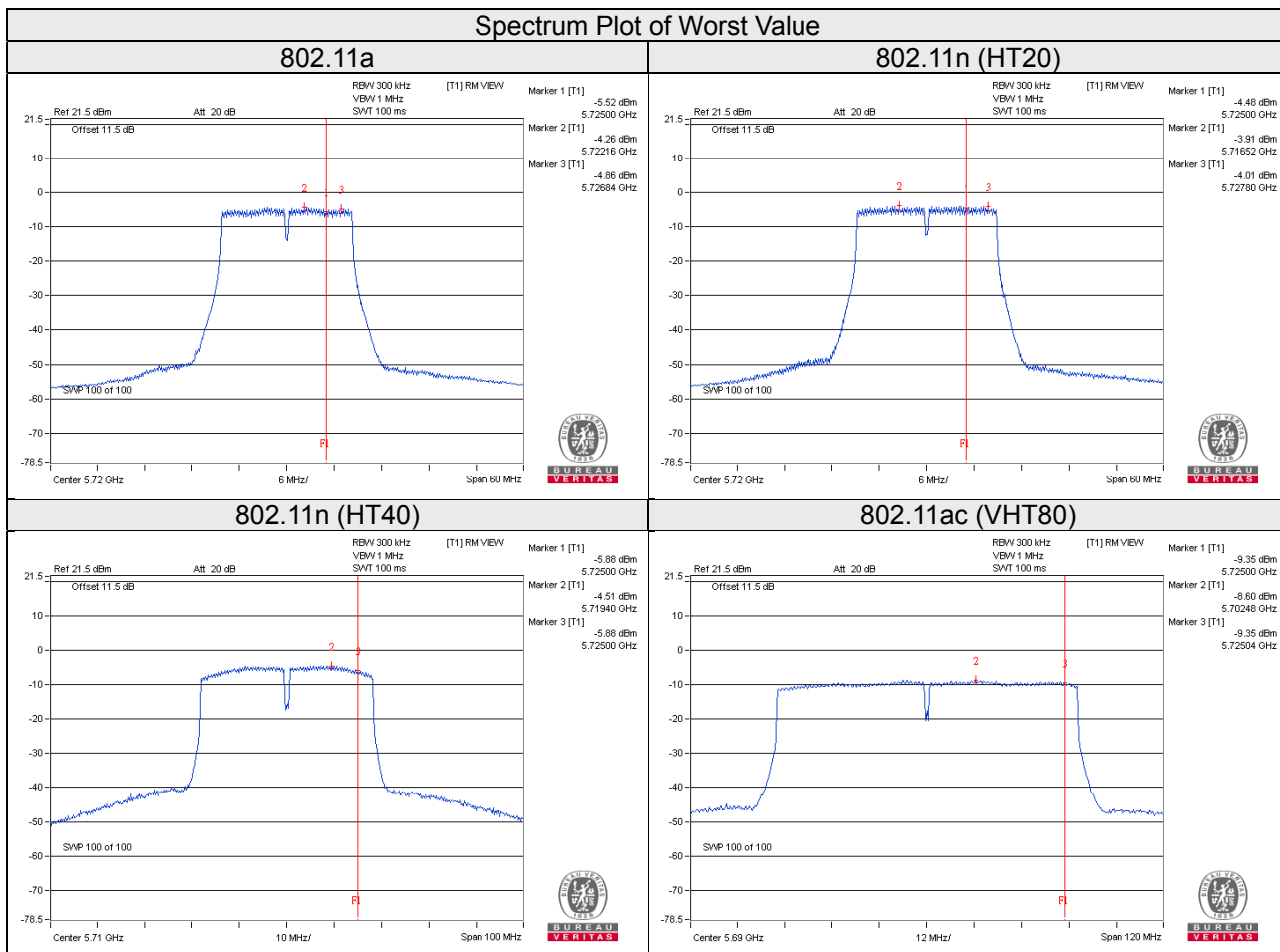
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (9.71 - 6) = 26.29\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-10.04	-7.82	3.01	0.26	-4.55	26.29	Pass
1	138	5690 For U-NII-3	-9.35	-7.13	3.01	0.26	-3.86	26.29	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $6.7 + 10\log(2) = 9.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (9.71 - 6) = 26.29\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.



Mode E

For U-NII-2A, U-NII-2C band

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
52	5260	-0.24	0.10	0.15	3.09	3.29	Pass
60	5300	-0.10	0.13	0.15	3.17	3.29	Pass
64	5320	-0.15	0.09	0.15	3.13	3.29	Pass
100	5500	0.03	0.03	0.15	3.19	3.29	Pass
116	5580	-0.08	-0.05	0.15	3.09	3.29	Pass
140	5700	-0.38	-0.07	0.15	2.93	3.29	Pass
144	5720 For U-NII-2C	-0.09	0.21	0.15	3.22	3.29	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.71 - 6) = 3.29\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
52	5260	-0.41	0.37	3.01	3.29	Pass
60	5300	-0.27	0.28	3.02	3.29	Pass
64	5320	-0.29	0.31	3.03	3.29	Pass
100	5500	0.05	0.23	3.15	3.29	Pass
116	5580	0.24	-0.07	3.10	3.29	Pass
140	5700	-0.20	-0.37	2.73	3.29	Pass
144	5720 For U-NII-2C	-0.08	0.52	3.24	3.29	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.71 - 6) = 3.29\text{dBm}$.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
54	5270	-0.53	0.03	0.11	2.87	3.29	Pass
62	5310	-1.45	-0.97	0.11	1.91	3.29	Pass
102	5510	-0.19	-0.26	0.11	2.89	3.29	Pass
110	5550	-0.03	0.00	0.11	3.10	3.29	Pass
134	5670	-0.52	-0.57	0.11	2.57	3.29	Pass
142	5710 For U-NII-2C	-0.83	-0.20	0.11	2.61	3.29	Pass

Note:

1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.71 - 6) = 3.29\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

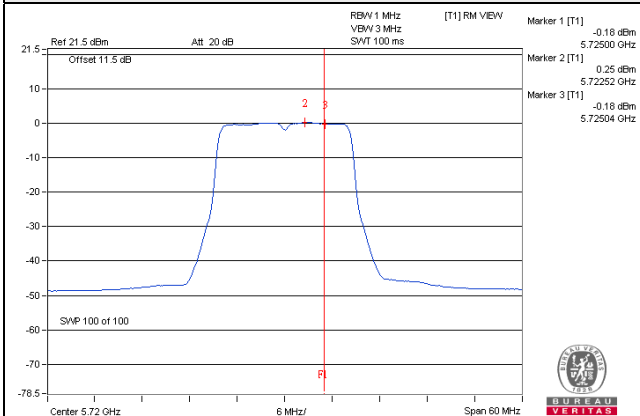
Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
58	5290	-5.03	-4.84	0.26	-1.66	3.29	Pass
106	5530	-3.45	-3.56	0.26	-0.23	3.29	Pass
122	5610	-3.70	-3.77	0.26	-0.46	3.29	Pass
138	5690 For U-NII-2C	-4.28	-3.69	0.26	-0.70	3.29	Pass

Note:

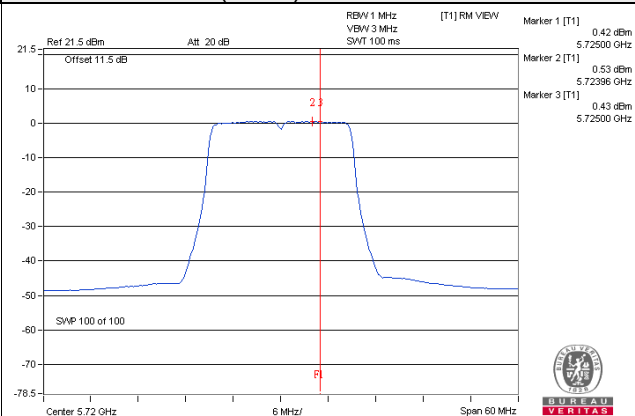
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.71 - 6) = 3.29\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

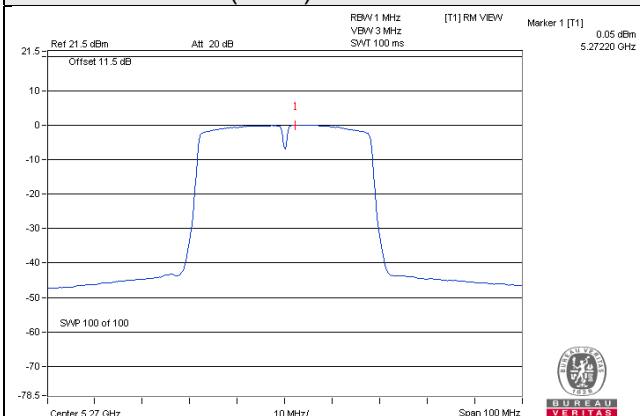
802.11a / Chain 1 / CH 144



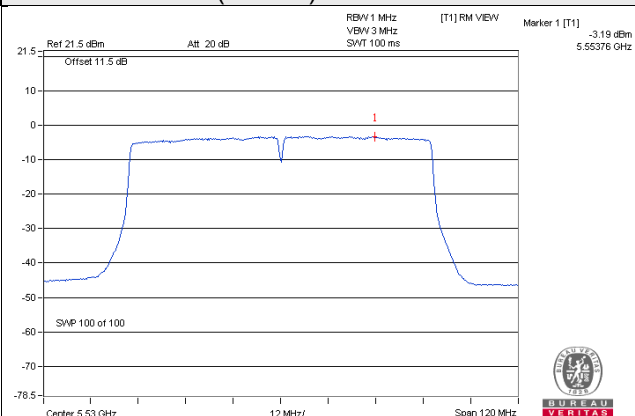
802.11n (HT20) / Chain 1 / CH 144



802.11n (HT40) / Chain 1 / CH 54



802.11ac (VHT80) / Chain 0 / CH 106



For U-NII-3 band

802.11a

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 For U-NII-3	-8.64	-6.42	3.01	0.15	-3.26	22.29	Pass
1	144	5720 For U-NII-3	-8.62	-6.40	3.01	0.15	-3.24	22.29	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	144	5720 For U-NII-3	-8.53	-6.31	3.01	-3.30	22.29	Pass
1	144	5720 For U-NII-3	-7.83	-5.61	3.01	-2.60	22.29	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.

802.11n (HT40)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	142	5710 For U-NII-3	-11.16	-8.94	3.01	0.11	-5.82	22.29	Pass
1	142	5710 For U-NII-3	-10.21	-7.99	3.01	0.11	-4.87	22.29	Pass

Note:

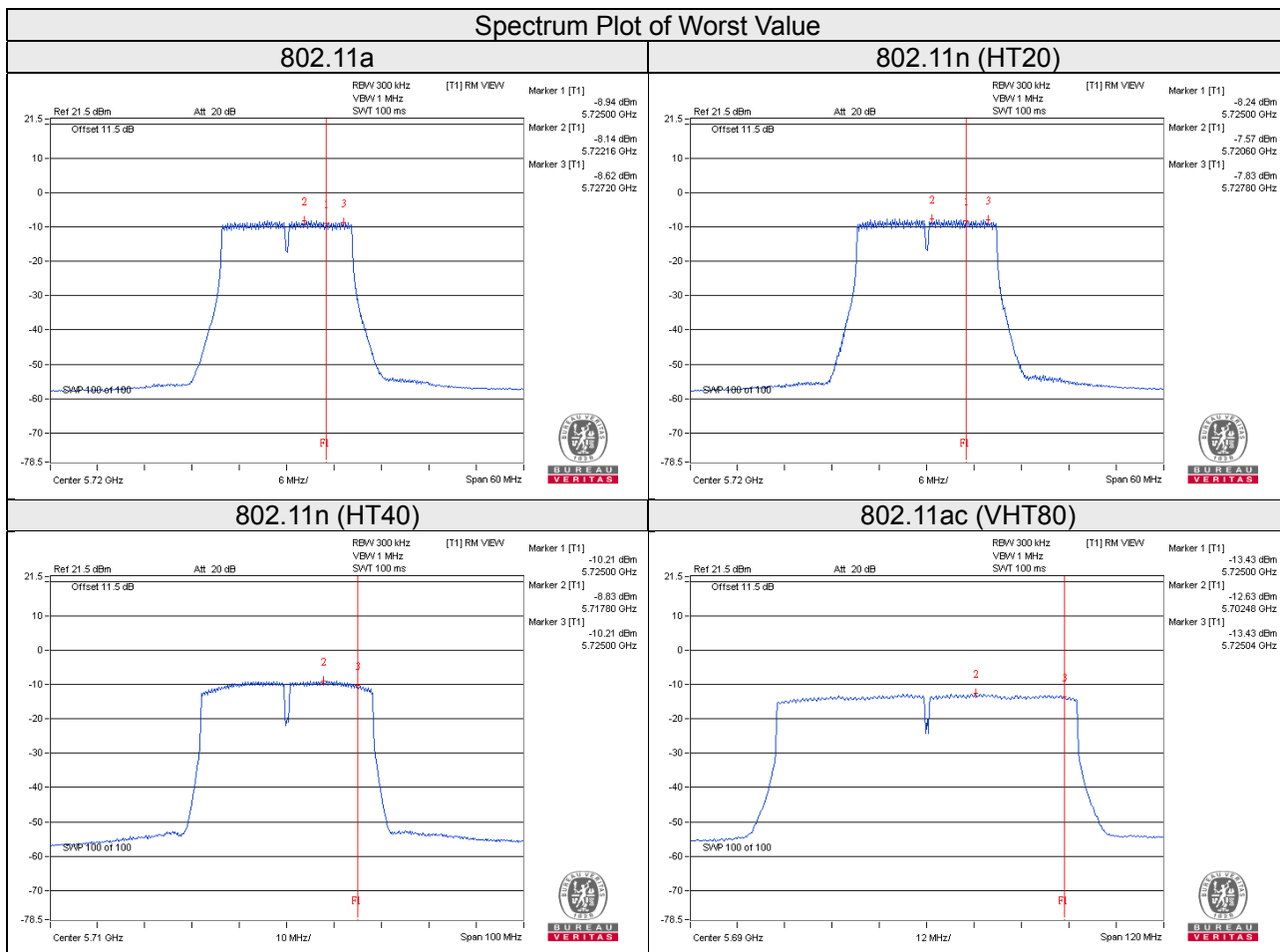
- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-14.12	-11.90	3.01	0.26	-8.63	22.29	Pass
1	138	5690 For U-NII-3	-13.43	-11.21	3.01	0.26	-7.94	22.29	Pass

Note:

- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $10.7 + 10\log(2) = 13.71\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.71 - 6) = 22.29\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

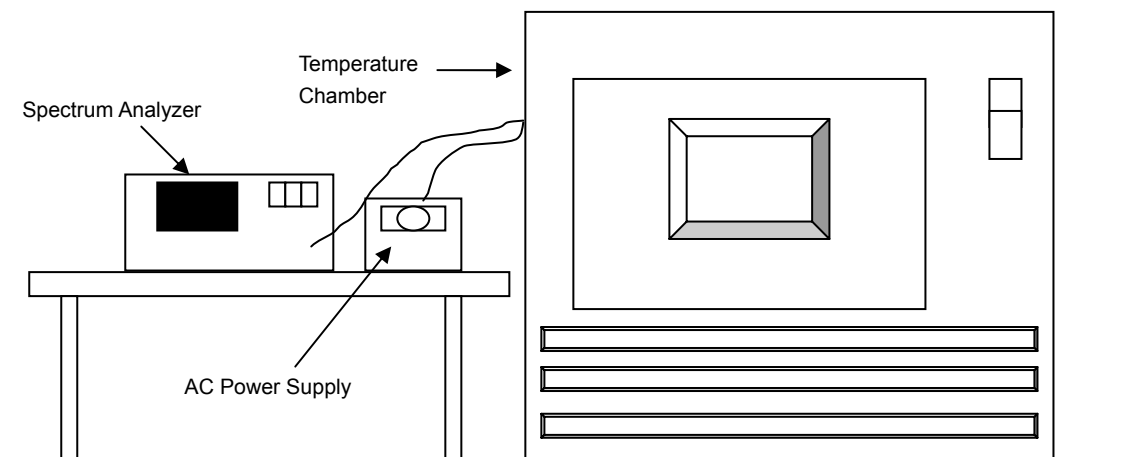


4.6 Frequency Stability

4.6.1 Limits of Frequency Stability Measurement

The frequency of the carrier signal shall be maintained within band of operation

4.6.2 Test Setup



4.6.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.6.4 Test Procedure

- The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
- Turn the EUT on and couple its output to a spectrum analyzer.
- Turn the EUT off and set the chamber to the highest temperature specified.
- Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
- Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
- The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

Set the EUT transmit at un-modulation mode to test frequency stability.

4.6.7 Test Results

Frequency Stability Versus Temp.									
Operating Frequency: 5500MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5499.9877	-0.00022	5499.9858	-0.00026	5499.9859	-0.00026	5499.9905	-0.00017
40	120	5500.023	0.00042	5500.0209	0.00038	5500.0201	0.00037	5500.0235	0.00043
30	120	5500.0197	0.00036	5500.0199	0.00036	5500.0169	0.00031	5500.0188	0.00034
20	120	5499.9818	-0.00033	5499.9787	-0.00039	5499.9776	-0.00041	5499.9778	-0.00040
10	120	5500.0029	0.00005	5500.0032	0.00006	5499.9993	-0.00001	5500.0028	0.00005
0	120	5500.0021	0.00004	5500.0033	0.00006	5499.9992	-0.00001	5500.0033	0.00006
-10	120	5499.998	-0.00004	5499.9999	0.00000	5499.9987	-0.00002	5499.997	-0.00005
-20	120	5500.0079	0.00014	5500.0086	0.00016	5500.0084	0.00015	5500.0069	0.00013
-30	120	5499.9979	-0.00004	5499.9958	-0.00008	5499.9989	-0.00002	5499.9989	-0.00002

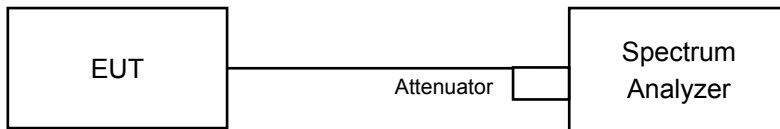
Frequency Stability Versus Voltage									
Operating Frequency: 5500MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5499.9826	-0.00032	5499.9793	-0.00038	5499.9782	-0.00040	5499.9789	-0.00038
	120	5499.9818	-0.00033	5499.9787	-0.00039	5499.9776	-0.00041	5499.9778	-0.00040
	102	5499.9814	-0.00034	5499.9793	-0.00038	5499.9775	-0.00041	5499.9778	-0.00040

4.7 6dB Bandwidth Measurement

4.7.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.7.2 Test Setup



4.7.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.7.4 Test Procedure

Measurement Procedure REF

- Set resolution bandwidth (RBW) = 100kHz
- Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

4.7.5 Deviation from Test Standard

No deviation.

4.7.6 EUT Operating Condition

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.7.7 Test Results

Mode A

802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144	5720 For U-NII-3	3.18	3.20	0.5	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144	5720 For U-NII-3	3.80	3.81	0.5	Pass

802.11n (HT40)

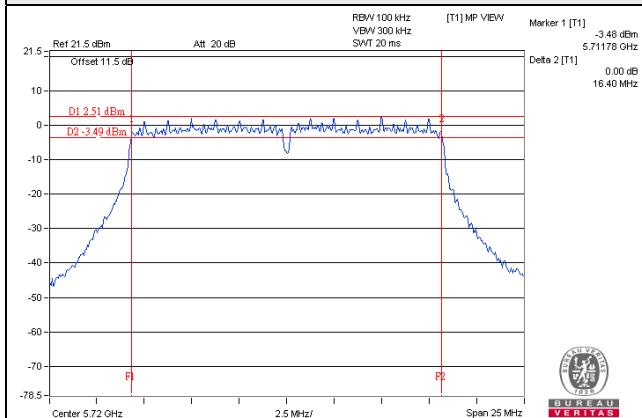
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
142	5710 For U-NII-3	2.63	2.67	0.5	Pass

802.11ac (VHT80)

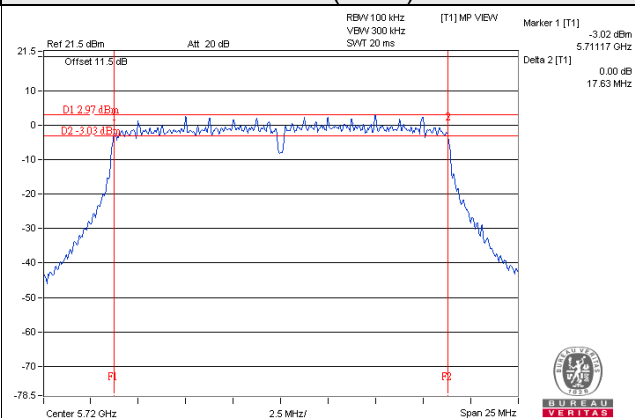
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
138	5690 For U-NII-3	3.20	3.16	0.5	Pass

Spectrum Plot of Worst Value

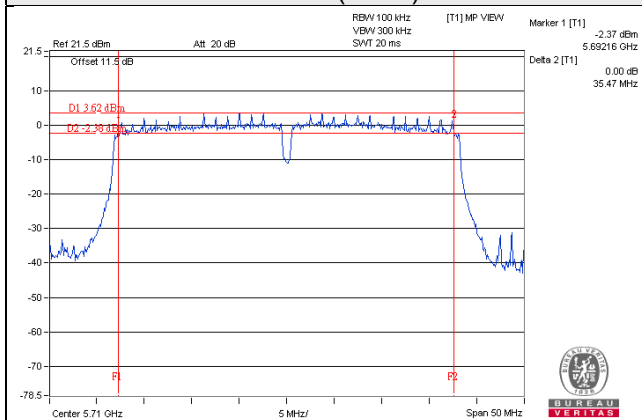
802.11a



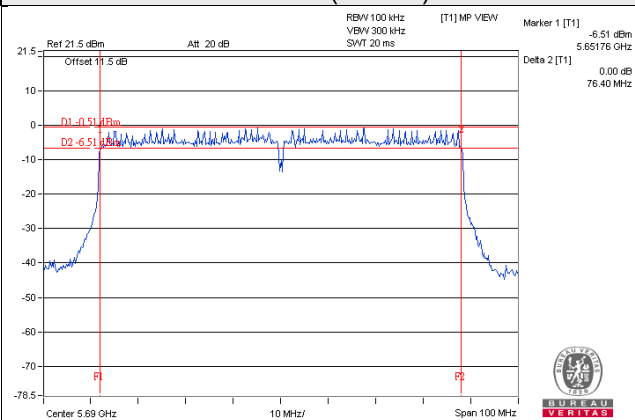
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Note:

For CH144 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

For CH142 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

For CH138 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

Mode B
802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144	5720 For U-NII-3	3.17	3.19	0.5	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144	5720 For U-NII-3	3.81	3.81	0.5	Pass

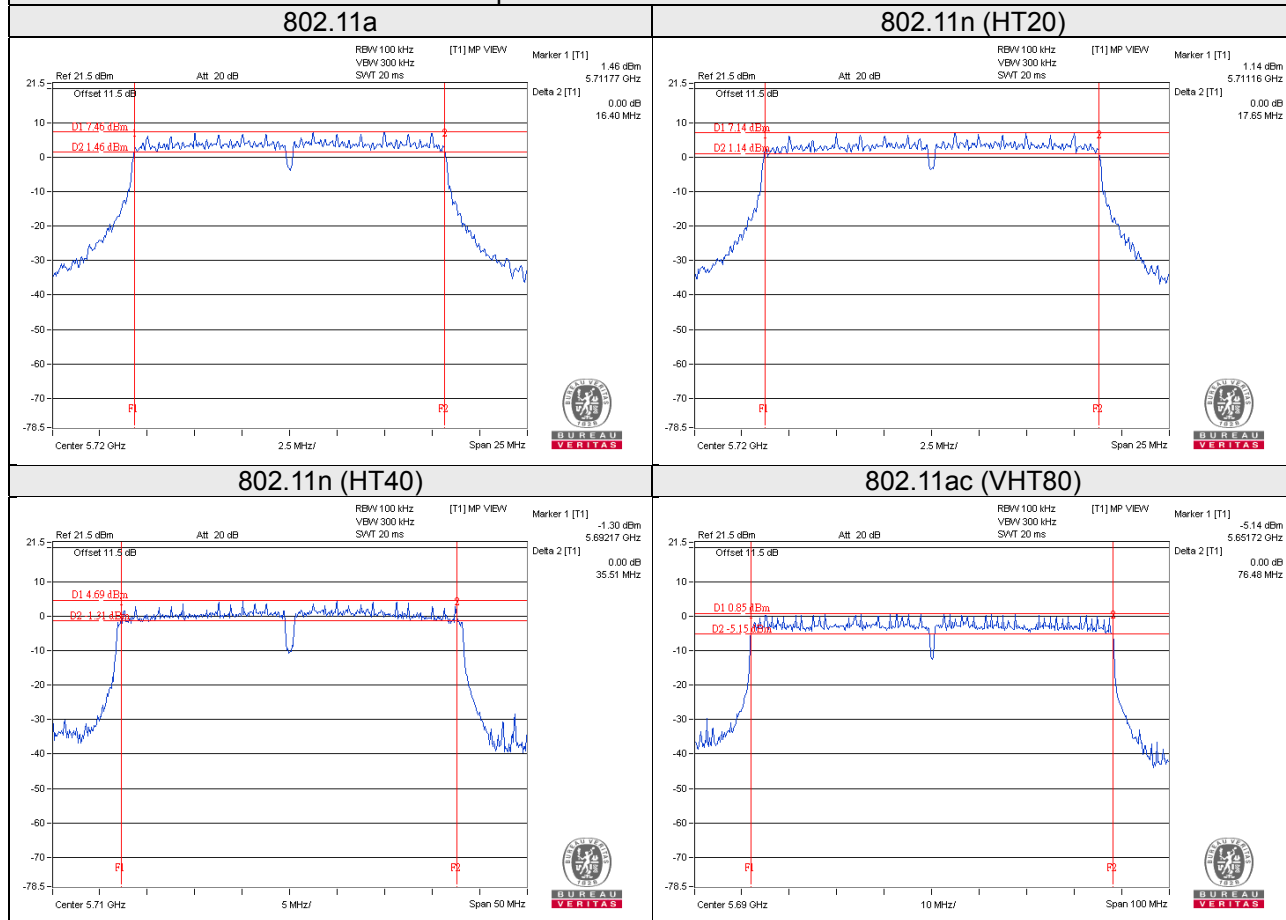
802.11n (HT40)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
142	5710 For U-NII-3	2.68	2.68	0.5	Pass

802.11ac (VHT80)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
138	5690 For U-NII-3	3.20	3.20	0.5	Pass

Spectrum Plot of Worst Value



Note:

- For CH144 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz
- For CH142 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz
- For CH138 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

Mode C

802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144	5720 For U-NII-3	3.18	3.19	0.5	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144	5720 For U-NII-3	3.80	3.81	0.5	Pass

802.11n (HT40)

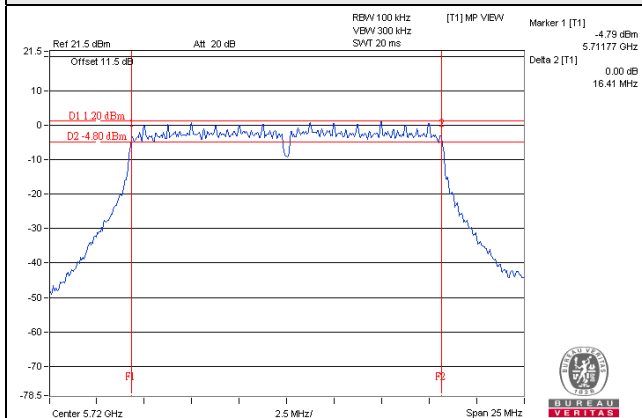
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
142	5710 For U-NII-3	2.82	2.68	0.5	Pass

802.11ac (VHT80)

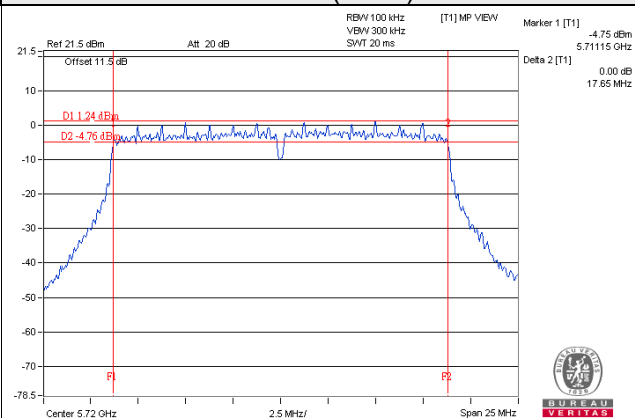
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
138	5690 For U-NII-3	3.21	3.21	0.5	Pass

Spectrum Plot of Worst Value

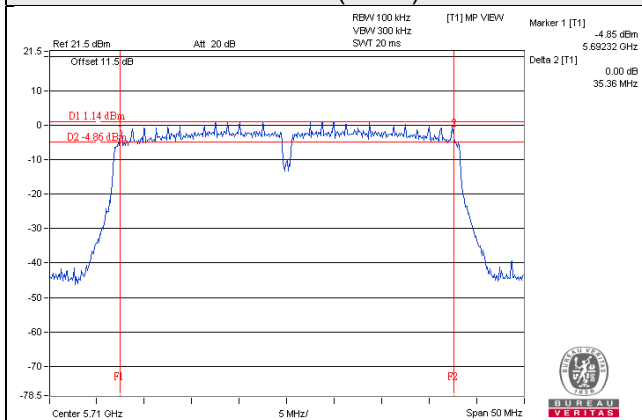
802.11a



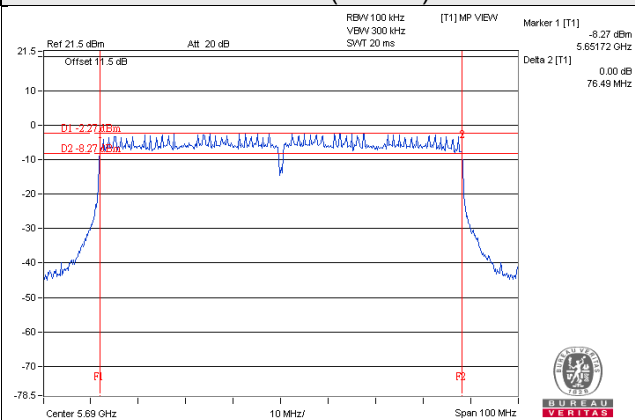
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Note:

For CH144 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

For CH142 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

For CH138 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

Mode D

802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144	5720 For U-NII-3	3.18	3.20	0.5	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144	5720 For U-NII-3	3.80	3.81	0.5	Pass

802.11n (HT40)

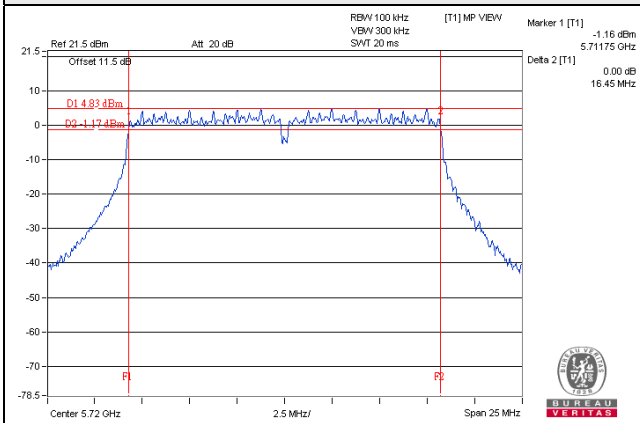
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
142	5710 For U-NII-3	2.68	2.64	0.5	Pass

802.11ac (VHT80)

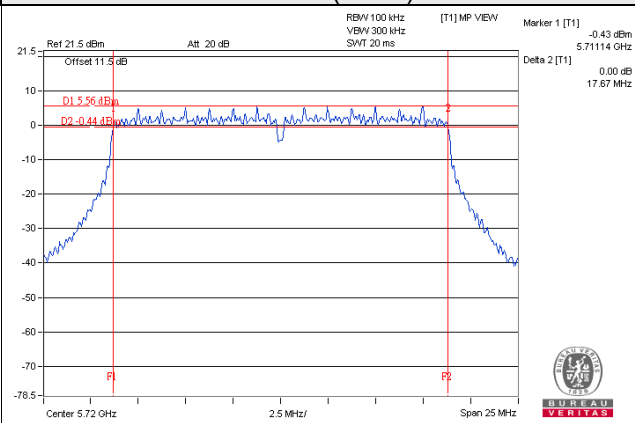
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
138	5690 For U-NII-3	3.16	3.15	0.5	Pass

Spectrum Plot of Worst Value

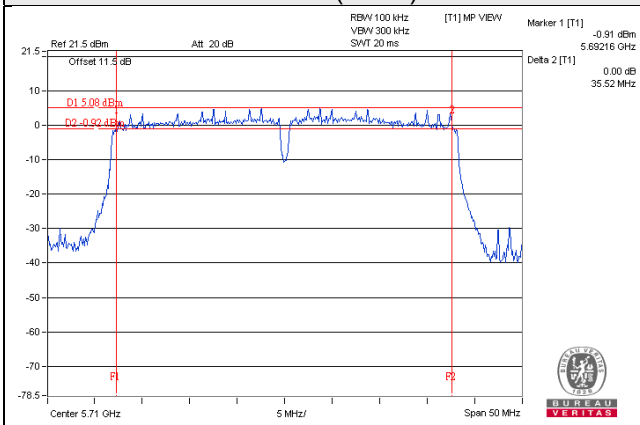
802.11a



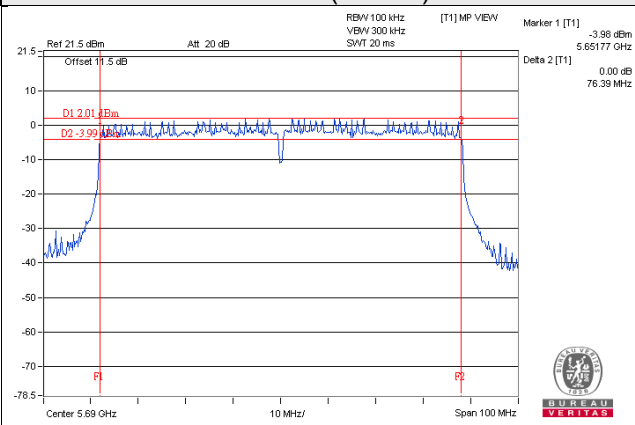
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Note:

For CH144 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

For CH142 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

For CH138 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

Mode E

802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144	5720 For U-NII-3	3.18	3.19	0.5	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
144	5720 For U-NII-3	3.80	3.81	0.5	Pass

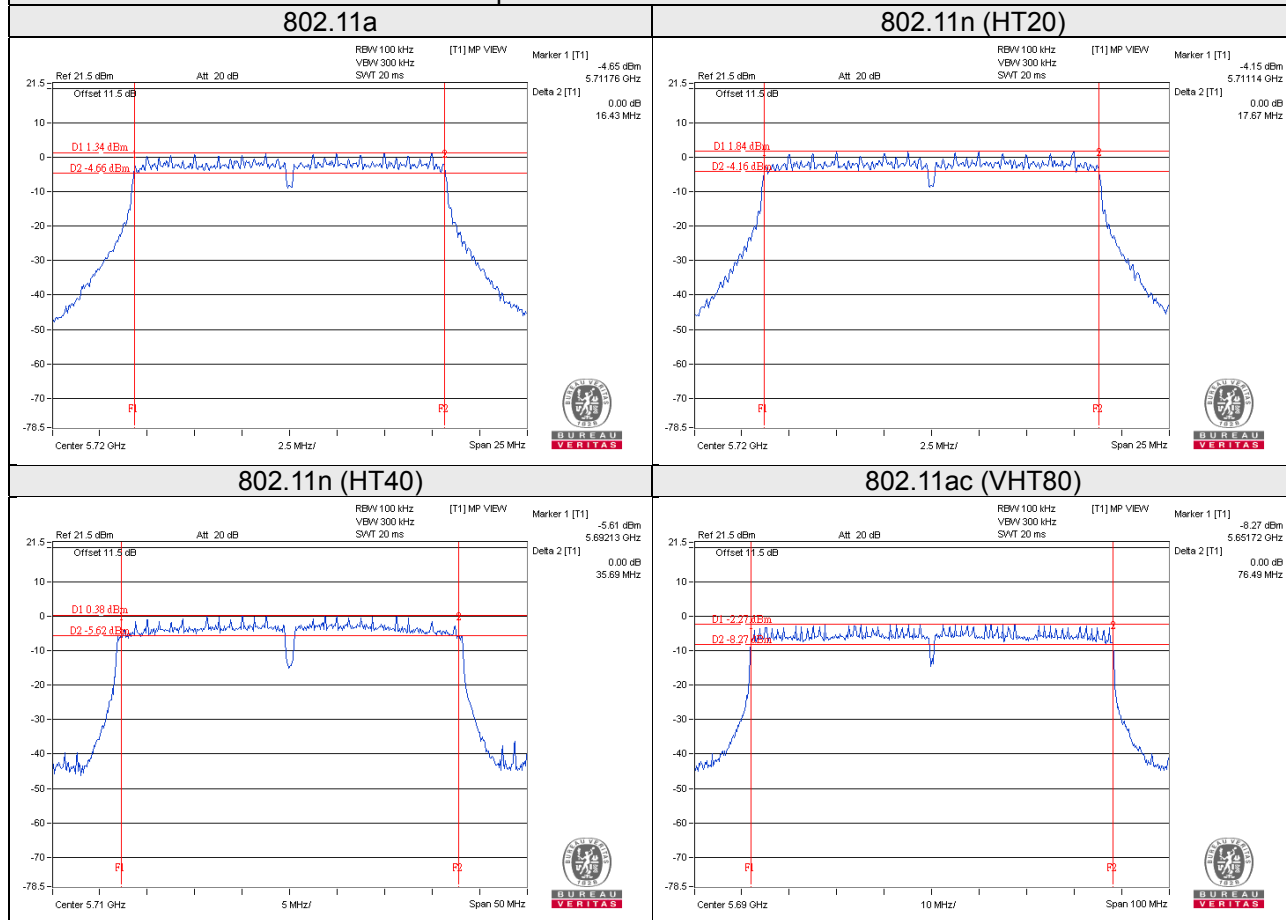
802.11n (HT40)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
142	5710 For U-NII-3	2.82	2.68	0.5	Pass

802.11ac (VHT80)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
138	5690 For U-NII-3	3.21	3.21	0.5	Pass

Spectrum Plot of Worst Value



Note:

For CH144 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz
 For CH142 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz
 For CH138 (UNII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

--- END ---