

FCC Test Report

Report No.: RF171005C05A

FCC ID: REP-8020-1

Test Model: HotPort 8020

Received Date: Oct. 05, 2017

Test Date: Oct. 23 ~ Dec. 22, 2017

Issued Date: Jan. 03, 2018

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

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FCC Registration / 788550 / TW0003

Designation Number:



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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	10
3.2.1 Test Mode Applicability and Tested Channel Detail	11
3.3 Duty Cycle of Test Signal	13
3.4 Description of Support Units	17
3.4.1 Configuration of System under Test	17
3.5 General Description of Applied Standards	17
4 Test Types and Results	18
4.1 Radiated Emission and Bandedge Measurement	18
4.1.1 Limits of Radiated Emission and Bandedge Measurement	18
4.1.2 Test Instruments	19
4.1.3 Test Procedures	20
4.1.4 Deviation from Test Standard	20
4.1.5 Test Setup	21
4.1.6 EUT Operating Conditions	22
4.1.7 Test Results	23
4.2 Conducted Emission Measurement	123
4.2.1 Limits of Conducted Emission Measurement	123
4.2.2 Test Instruments	123
4.2.3 Test Procedures	124
4.2.4 Deviation from Test Standard	124
4.2.5 Test Setup	124
4.2.6 EUT Operating Conditions	124
4.2.7 Test Results	125
4.3 Transmit Power Measurement	133
4.3.1 Limits of Transmit Power Measurement	133
4.3.2 Test Setup	133
4.3.3 Test Instruments	134
4.3.4 Test Procedure	134
4.3.5 Deviation from Test Standard	134
4.3.6 EUT Operating Conditions	134
4.3.7 Test Result	135
4.4 Occupied Bandwidth Measurement	184
4.4.1 Test Setup	184
4.4.2 Test Instruments	184
4.4.3 Test Procedure	184
4.4.4 Test Result	185
4.5 Peak Power Spectral Density Measurement	197
4.5.1 Limits of Peak Power Spectral Density Measurement	197
4.5.2 Test Setup	197
4.5.3 Test Instruments	197
4.5.4 Test Procedures	198
4.5.5 Deviation from Test Standard	198
4.5.6 EUT Operating Conditions	198
4.5.7 Test Results	199
4.6 Frequency Stability	223

4.6.1	Limits of Frequency Stability Measurement	223
4.6.2	Test Setup.....	223
4.6.3	Test Instruments	223
4.6.4	Test Procedure	223
4.6.5	Deviation from Test Standard	223
4.6.6	EUT Operating Condition	223
4.6.7	Test Results	224
4.7	6dB Bandwidth Measurement.....	226
4.7.1	Limits of 6dB Bandwidth Measurement.....	226
4.7.2	Test Setup.....	226
4.7.3	Test Instruments	226
4.7.4	Test Procedure	226
4.7.5	Deviation from Test Standard	226
4.7.6	EUT Operating Condition	226
4.7.7	Test Results	227
5	Pictures of Test Arrangements.....	235
	Appendix – Information on the Testing Laboratories	236

Release Control Record

Issue No.	Description	Date Issued
RF171005C05A	Original release.	Jan. 03, 2018

1 Certificate of Conformity

Product: Firetide Wireless Mesh Node

Brand: Firetide

Test Model: HotPort 8020

Sample Status: Engineering sample

Applicant: Firetide Inc.

Test Date: Oct. 23 ~ Dec. 22, 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 RF characteristics under the conditions specified in this report.

Prepared by : Sunt Lee , **Date:** Jan. 03, 2018
Sunt Lee / Specialist

Approved by : Bruce Chen , **Date:** Jan. 03, 2018
Bruce Chen / Project Engineer

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 -3.10dB at 0.53240MHz.
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 -1.0dB at 5725.00MHz.
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 N Plug. (The device is professionally installed)

*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) (±)
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	Firetide Wireless Mesh Node
Brand	Firetide
Test Model	HotPort 8020
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	1.8m 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 CPS report no.: RF171005C05) 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 4 completed transmitters and 4 receivers.

Modulation Mode	TX Function	Beamforming
802.11a	4TX	Not Support
802.11n (HT20)	4TX	Support
802.11n (HT40)	4TX	Support
802.11ac (VHT20)	4TX	Support
802.11ac (VHT40)	4TX	Support
802.11ac (VHT80)	4TX	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. The EUT consumes power from following POE. (Support units only)

POE	
Brand	EnGenius
Model	EPA5006GAT
Input Power	100-240Vac, 0.8A, 50-60Hz
Output Power	54Vdc, 0.6A
Power Cable	0.5m non-shielded AC cable without core

4. The EUT uses following antennas.

No.	Function	Antenna Type	Connector	Gain (dBi)		Remark
				4.9G	5G	
1	WLAN	Dipole	N Plug	6.5	7	Radio 1 / Radio 2
2	WLAN	Panel	N Plug	17.5	18.5	Radio 1 / Radio 2

* Antenna 2 was cross-polarized antenna, the antenna has +45 H -45 V four polarizations, only three will be co-polarized. so direction gain = $18.5 + 10\log(3) = 23.27\text{dBi}$.

5. Radio 1, 5GHz & Radio 2, 5GHz / Radio 1, 4.9GHz & Radio 2, 4.9GHz can transmit at same time but cannot transmit at same channel.
6. Spurious emission of the simultaneous operation (Radio 1, 5GHz & Radio 2, 5GHz / Radio 1, 4.9GHz & Radio 2, 4.9GHz) has been evaluated and no non-compliance was found.

7. Output Power is listed as below.

Radio 1, Antenna 1			
Frequency Band (MHz)	Mode	Output Power (mW)	Output Power (dBm)
5260~5320	CDD Mode	90.387	19.56
	Beamforming Mode	22.597	13.54
5500~5720	CDD Mode	136.723	21.36
	Beamforming Mode	34.181	15.34
Radio 1, Antenna 2			
Frequency Band (MHz)	Mode	Output Power (mW)	Output Power (dBm)
5260~5320	CDD Mode	6.895	8.39
	Beamforming Mode	1.724	2.36
5500~5720	CDD Mode	6.970	8.43
	Beamforming Mode	1.743	2.41
Radio 2, Antenna 1			
Frequency Band (MHz)	Mode	Output Power (mW)	Output Power (dBm)
5260~5320	CDD Mode	84.859	19.29
	Beamforming Mode	21.215	13.27
5500~5720	CDD Mode	136.723	21.36
	Beamforming Mode	34.181	15.34
Radio 2, Antenna 2			
Frequency Band (MHz)	Mode	Output Power (mW)	Output Power (dBm)
5260~5320	CDD Mode	6.838	8.35
	Beamforming Mode	1.710	2.33
5500~5720	CDD Mode	6.925	8.40
	Beamforming Mode	1.731	2.38

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	
A1	√	√	√	√	Radio 1, Antenna 1
A2	√	√	√	√	Radio 1, Antenna 2
B1	√	√	√	√	Radio 2, Antenna 1
B2	√	√	√	√	Radio 2, Antenna 2

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:

- 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 A1, B1 and X-plane for mode A2, B2.

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
A1, A2, B1, B2	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 / MCS0	-
	802.11n (HT40)		54 to 62	54, 62	OFDM	13.5 / MCS0	-
	802.11ac (VHT80)		58	58	OFDM	29.3 / MCS0	-
	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 / MCS0	-
	802.11n (HT40)		102 to 142	102, 110, 134, 142	OFDM	13.5 / MCS0	-
	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	29.3 / MCS0	-

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
A1, A2, B1, B2	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
A1, A2, B1, B2	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
A1, A2, B1, B2	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 / MCS0	-
	802.11n (HT40)		54 to 62	54, 62	OFDM	13.5 / MCS0	-
	802.11ac (VHT80)		58	58	OFDM	29.3 / MCS0	-
	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 / MCS0	-
	802.11n (HT40)		102 to 142	102, 110, 134, 142	OFDM	13.5 / MCS0	-
	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	29.3 / MCS0	-

Test Condition:

Applicable to	Environmental Conditions	Input Power (system)	Tested by
RE $\geq$ 1G	23 deg. C, 69% RH 24 deg. C, 66% RH	120Vac, 60Hz	Jones Chang Willy Cheng
RE<1G	23 deg. C, 69% RH 25 deg. C, 69% RH	120Vac, 60Hz	Jones Chang Adair Peng
PLC	25 deg. C, 75% RH	120Vac, 60Hz	Jones Chang
APCM	25 deg. C, 60% RH	120Vac, 60Hz	Han Wu Ted Chang

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.

Mode A1

802.11a: Duty cycle = $2.02/2.12 = 0.953$, Duty factor = $10 * \log(1/0.953) = 0.21$

802.11n (HT20): Duty cycle = $4.995/5.085 = 0.982$

802.11n (HT40): Duty cycle = $2.425/2.497 = 0.971$, Duty factor = $10 * \log(1/0.971) = 0.13$

802.11ac (VHT80): Duty cycle = $1.14/1.21 = 0.942$, Duty factor = $10 * \log(1/0.942) = 0.26$



Mode A2

802.11a: Duty cycle = $2.02/2.12 = 0.953$, Duty factor = $10 * \log(1/0.953) = 0.21$

802.11n (HT20): Duty cycle = $4.995/5.085 = 0.982$

802.11n (HT40): Duty cycle = $2.425/2.497 = 0.971$, Duty factor = $10 * \log(1/0.971) = 0.13$

802.11ac (VHT80): Duty cycle = $1.14/1.21 = 0.942$, Duty factor = $10 * \log(1/0.942) = 0.26$



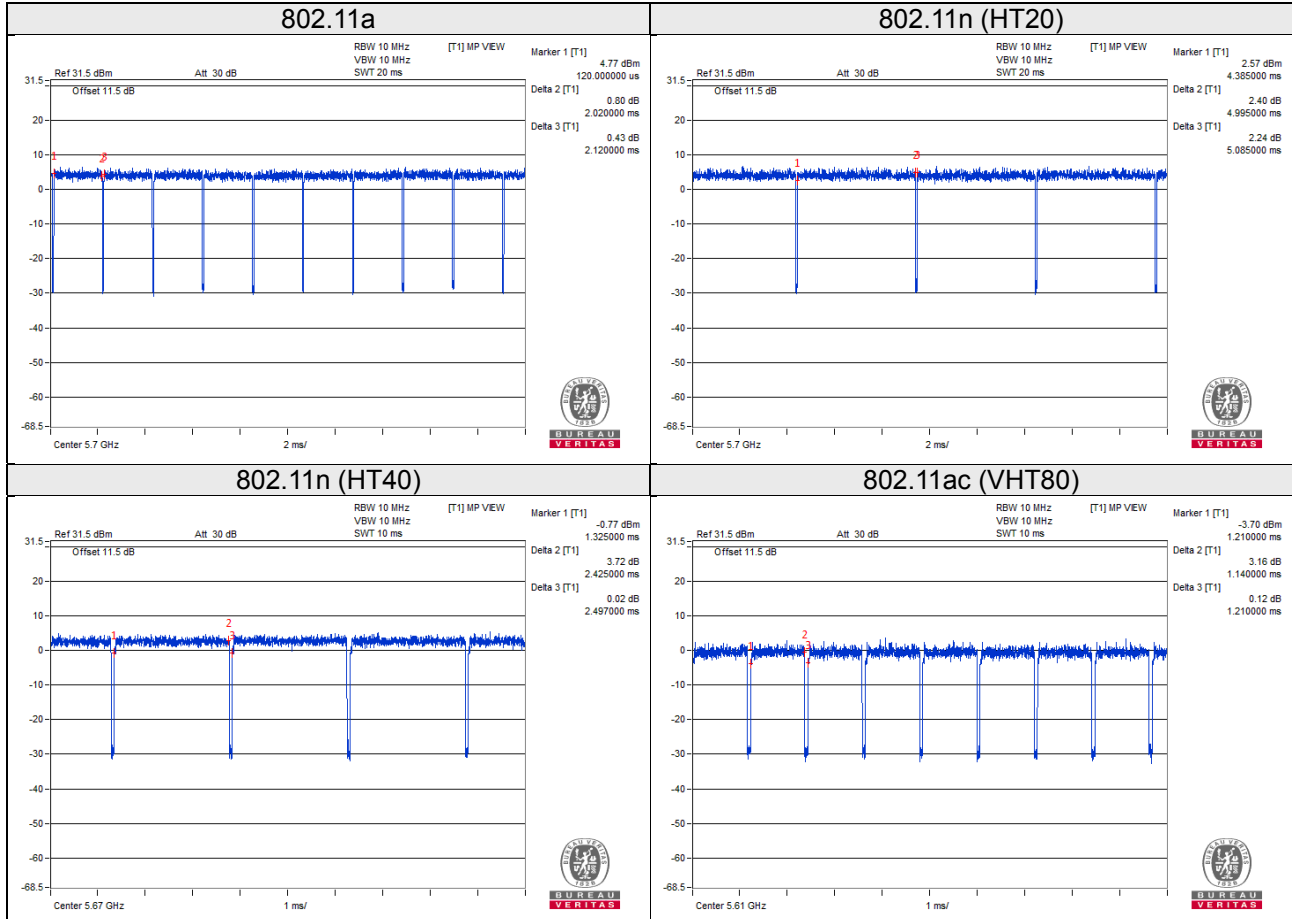
Mode B1

802.11a: Duty cycle = $2.02/2.12 = 0.953$, Duty factor = $10 * \log(1/0.953) = 0.21$

802.11n (HT20): Duty cycle = $4.995/5.085 = 0.982$

802.11n (HT40): Duty cycle = $2.425/2.497 = 0.971$, Duty factor = $10 * \log(1/0.971) = 0.13$

802.11ac (VHT80): Duty cycle = $1.14/1.21 = 0.942$, Duty factor = $10 * \log(1/0.942) = 0.26$



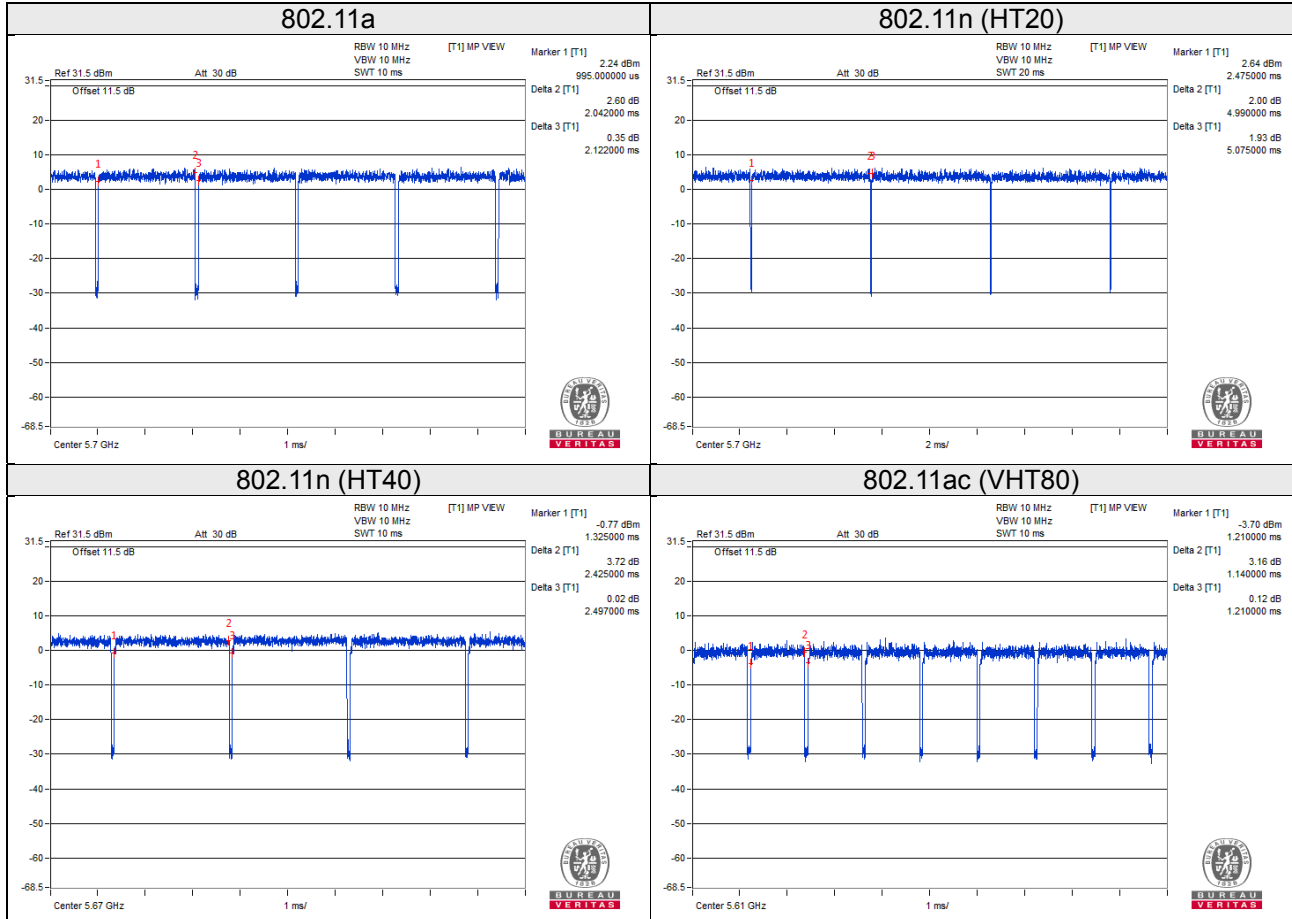
Mode B2

802.11a: Duty cycle = $2.042/2.122 = 0.962$, Duty factor = $10 * \log(1/0.962) = 0.17$

802.11n (HT20): Duty cycle = $4.99/5.075 = 0.983$

802.11n (HT40): Duty cycle = $2.425/2.497 = 0.971$, Duty factor = $10 * \log(1/0.971) = 0.13$

802.11ac (VHT80): Duty cycle = $1.14/1.21 = 0.942$, Duty factor = $10 * \log(1/0.942) = 0.26$



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.

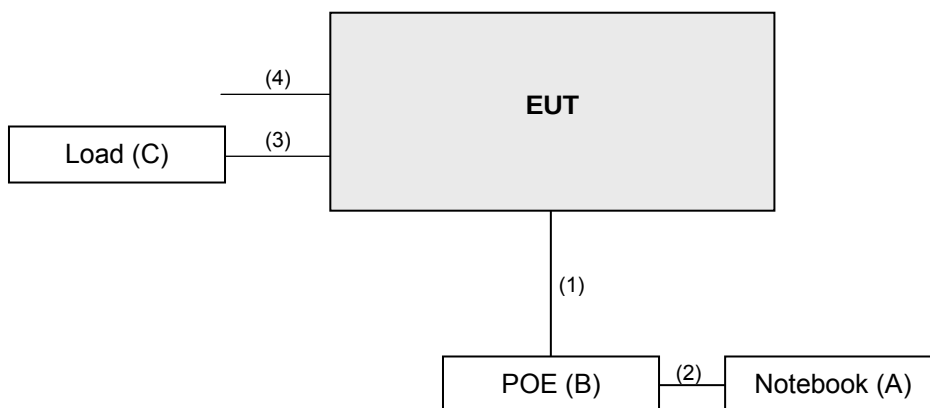
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook	DELL	E5410	1HC2XM1	FCC DoC Approved	-
B.	POE	EnGenius	EPA5006GAT	NA	NA	Supplied by the manufacturer
C.	Load	NA	NA	NA	NA	-

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.	RJ45, Cat5e	1	1.5	N	0	-
4.	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 v02r01

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.

FCC PART 15.209:

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 v02r01			Field Strength at 3m	
			PK: 74 (dBµV/m)	AV: 54 (dBµV/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(dBµV/m)
5250~5350 MHz	15.407(b)(2)			
5470~5725 MHz	15.407(b)(3)			
5725~5850 MHz	☒	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 (dBµV/m) ^{*1} PK: 105.2 (dBµV/m) ^{*2} PK: 110.8 (dBµV/m) ^{*3} PK: 122.2 (dBµV/m) ^{*4}
	☐	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	100040	Aug. 18, 2017	Aug. 17, 2018
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
			Dec. 01, 2017	Nov. 30, 2018
Loop Antenna EMCI	EM-6879	269	Aug. 11, 2017	Aug. 10, 2018
Preamplifier Agilent (Below 1GHz)	8447D	2944A10738	Aug. 21, 2017	Aug. 20, 2018
Preamplifier Agilent (Above 1GHz)	8449B	3008A02465	Apr. 05, 2017	Apr. 04, 2018
RF signal cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH3-03 (223653/4)	Aug. 21, 2017	Aug. 20, 2018
RF signal cable HUBER+SUHNER& EMCI	SUCOFLEX 104&EMC104-SM-SM-8 000	Cable-CH3-03 (309224+170907)	Sep.11, 2017	Sep. 10, 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
26GHz ~ 40GHz Amplifier Agilent	8449B	3008A1960	Aug. 08, 2017	Aug. 07, 2018
High Speed Peak Power Meter	ML2495A	0824012	Aug. 18, 2017	Aug. 17, 2018
Power Sensor	MA2411B	0738171	Aug. 18, 2017	Aug. 17, 2018
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	Jun. 07, 2017	Jun. 06, 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:

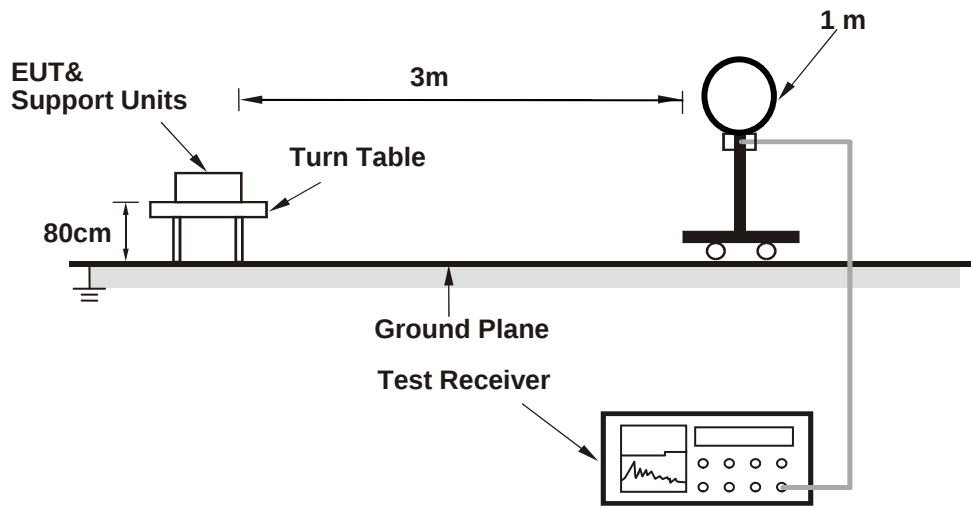
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
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

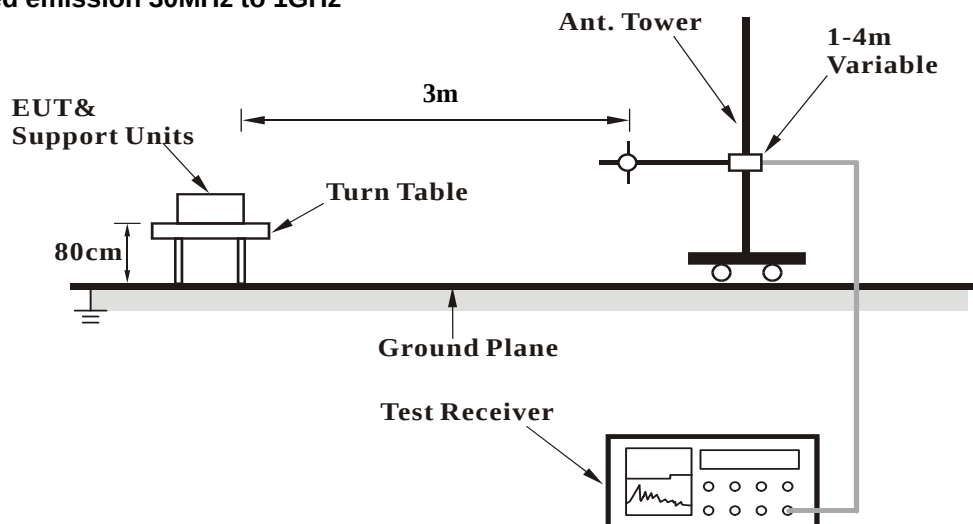
No deviation.

4.1.5 Test Setup

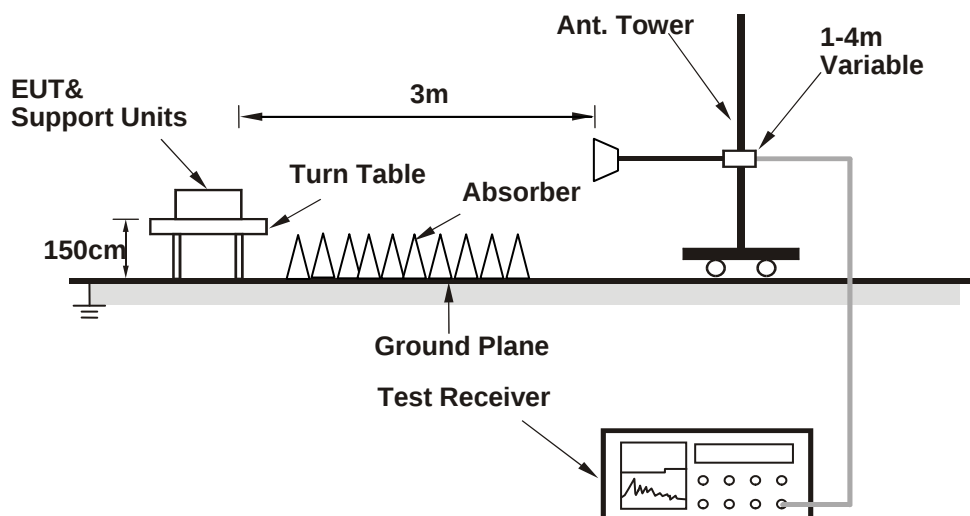
For Radiated emission below 30MHz



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 A1

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	57.7 PK	74.0	-16.3	1.50 H	352	54.1	3.6
2	5150.00	47.6 AV	54.0	-6.4	1.50 H	352	44.0	3.6
3	*5260.00	122.6 PK			2.02 H	355	83.0	39.6
4	*5260.00	112.7 AV			2.02 H	355	73.1	39.6
5	#10520.00	59.5 PK	74.0	-14.5	2.13 H	19	42.5	17.0
6	#10520.00	46.5 AV	54.0	-7.5	2.13 H	19	29.5	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	56.4 PK	74.0	-17.6	1.66 V	354	52.8	3.6
2	5150.00	44.9 AV	54.0	-9.1	1.66 V	354	41.3	3.6
3	*5260.00	103.4 PK			1.66 V	354	63.8	39.6
4	*5260.00	92.5 AV			1.66 V	354	52.9	39.6
5	#10520.00	59.1 PK	74.0	-14.9	1.62 V	320	42.1	17.0
6	#10520.00	46.3 AV	54.0	-7.7	1.62 V	320	29.3	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	123.3 PK			2.01 H	357	83.7	39.6
2	*5300.00	113.2 AV			2.01 H	357	73.6	39.6
3	10600.00	59.8 PK	74.0	-14.2	2.18 H	25	42.7	17.1
4	10600.00	46.8 AV	54.0	-7.2	2.18 H	25	29.7	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	102.4 PK			1.76 V	355	62.8	39.6
2	*5300.00	91.3 AV			1.76 V	355	51.7	39.6
3	10600.00	59.3 PK	74.0	-14.7	1.66 V	300	42.2	17.1
4	10600.00	46.5 AV	54.0	-7.5	1.66 V	300	29.4	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	124.1 PK			2.17 H	356	84.4	39.7
2	*5320.00	113.5 AV			2.17 H	356	73.8	39.7
3	5350.00	64.1 PK	74.0	-9.9	1.40 H	355	60.2	3.9
4	5350.00	51.9 AV	54.0	-2.1	1.40 H	355	48.0	3.9
5	10640.00	60.0 PK	74.0	-14.0	2.26 H	21	42.7	17.3
6	10640.00	46.9 AV	54.0	-7.1	2.26 H	21	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	*5320.00	100.6 PK			1.76 V	355	60.9	39.7
2	*5320.00	90.1 AV			1.76 V	355	50.4	39.7
3	5350.00	59.5 PK	74.0	-14.5	1.73 V	356	55.6	3.9
4	5350.00	48.8 AV	54.0	-5.2	1.73 V	356	44.9	3.9
5	10640.00	59.3 PK	74.0	-14.7	1.69 V	321	42.0	17.3
6	10640.00	46.6 AV	54.0	-7.4	1.69 V	321	29.3	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	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	5460.00	59.9 PK	74.0	-14.1	2.00 H	344	55.9	4.0
2	5460.00	48.0 AV	54.0	-6.0	2.00 H	344	44.0	4.0
3	#5470.00	65.9 PK	74.0	-8.1	2.24 H	355	61.9	4.0
4	#5470.00	52.3 AV	54.0	-1.7	2.24 H	355	48.3	4.0
5	*5500.00	124.0 PK			2.16 H	355	84.0	40.0
6	*5500.00	113.3 AV			2.16 H	355	73.3	40.0
7	11000.00	63.0 PK	74.0	-11.0	1.93 H	299	44.0	19.0
8	11000.00	49.5 AV	54.0	-4.5	1.93 H	299	30.5	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	55.5 PK	74.0	-18.5	1.70 V	166	51.5	4.0
2	5460.00	44.5 AV	54.0	-9.5	1.70 V	166	40.5	4.0
3	#5470.00	58.3 PK	74.0	-15.7	1.77 V	163	54.3	4.0
4	#5470.00	44.4 AV	54.0	-9.6	1.77 V	163	40.4	4.0
5	*5500.00	103.2 PK			1.81 V	153	63.2	40.0
6	*5500.00	93.1 AV			1.81 V	153	53.1	40.0
7	11000.00	62.0 PK	74.0	-12.0	1.99 V	203	43.0	19.0
8	11000.00	48.3 AV	54.0	-5.7	1.99 V	203	29.3	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	126.3 PK			1.64 H	354	86.2	40.1
2	*5580.00	115.4 AV			1.64 H	354	75.3	40.1
3	11160.00	62.2 PK	74.0	-11.8	1.99 H	287	43.5	18.7
4	11160.00	49.0 AV	54.0	-5.0	1.99 H	287	30.3	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	105.2 PK			1.83 V	177	65.1	40.1
2	*5580.00	95.1 AV			1.83 V	177	55.0	40.1
3	11160.00	60.8 PK	74.0	-13.2	1.99 V	282	42.1	18.7
4	11160.00	47.8 AV	54.0	-6.2	1.99 V	282	29.1	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	124.2 PK			1.65 H	353	83.9	40.3
2	*5700.00	113.7 AV			1.65 H	353	73.4	40.3
3	#5725.00	66.5 PK	74.0	-7.5	1.50 H	351	62.0	4.5
4	#5725.00	52.3 AV	54.0	-1.7	1.50 H	351	47.8	4.5
5	11140.00	62.0 PK	74.0	-12.0	1.88 H	258	43.4	18.6
6	11140.00	48.3 AV	54.0	-5.7	1.88 H	258	29.7	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	*5700.00	105.1 PK			1.50 V	169	64.8	40.3
2	*5700.00	94.3 AV			1.50 V	169	54.0	40.3
3	#5725.00	58.4 PK	74.0	-15.6	1.66 V	181	53.9	4.5
4	#5725.00	44.9 AV	54.0	-9.1	1.66 V	181	40.4	4.5
5	11400.00	62.5 PK	74.0	-11.5	1.88 V	203	44.3	18.2
6	11400.00	48.6 AV	54.0	-5.4	1.88 V	203	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	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	#5470.00	56.7 PK	74.0	-17.3	1.81 H	182	52.7	4.0
2	#5470.00	43.5 AV	54.0	-10.5	1.81 H	182	39.5	4.0
3	*5720.00	125.4 PK			1.72 H	164	85.0	40.4
4	*5720.00	114.7 AV			1.72 H	164	74.3	40.4
5	#5825.00	57.2 PK	74.0	-16.8	1.79 H	173	52.5	4.7
6	#5825.00	44.5 AV	54.0	-9.5	1.79 H	173	39.8	4.7
7	11440.00	60.8 PK	74.0	-13.2	1.89 H	213	42.5	18.3
8	11440.00	47.7 AV	54.0	-6.3	1.89 H	213	29.4	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	55.4 PK	74.0	-18.6	2.11 V	111	51.4	4.0
2	#5470.00	42.4 AV	54.0	-11.6	2.11 V	111	38.4	4.0
3	*5720.00	106.4 PK			2.65 V	84	66.0	40.4
4	*5720.00	96.0 AV			2.65 V	84	55.6	40.4
5	#5825.00	56.1 PK	74.0	-17.9	2.22 V	123	51.4	4.7
6	#5825.00	42.9 AV	54.0	-11.1	2.22 V	123	38.2	4.7
7	11440.00	60.7 PK	74.0	-13.3	1.98 V	302	42.4	18.3
8	11440.00	47.3 AV	54.0	-6.7	1.98 V	302	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	58.6 PK	74.0	-15.4	2.03 H	357	55.0	3.6
2	5150.00	48.2 AV	54.0	-5.8	2.03 H	357	44.6	3.6
3	*5260.00	123.2 PK			2.02 H	355	83.6	39.6
4	*5260.00	112.7 AV			2.02 H	355	73.1	39.6
5	#10520.00	59.9 PK	74.0	-14.1	2.18 H	26	42.9	17.0
6	#10520.00	47.0 AV	54.0	-7.0	2.18 H	26	30.0	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	57.8 PK	74.0	-16.2	1.70 V	347	54.2	3.6
2	5150.00	46.7 AV	54.0	-7.3	1.70 V	347	43.1	3.6
3	*5260.00	104.7 PK			1.72 V	349	65.1	39.6
4	*5260.00	93.5 AV			1.72 V	349	53.9	39.6
5	#10520.00	59.5 PK	74.0	-14.5	1.88 V	323	42.5	17.0
6	#10520.00	46.5 AV	54.0	-7.5	1.88 V	323	29.5	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	123.8 PK			2.11 H	355	84.2	39.6
2	*5300.00	112.8 AV			2.11 H	355	73.2	39.6
3	10600.00	60.6 PK	74.0	-13.4	2.29 H	27	43.5	17.1
4	10600.00	47.3 AV	54.0	-6.7	2.29 H	27	30.2	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	103.1 PK			1.67 V	346	63.5	39.6
2	*5300.00	91.9 AV			1.67 V	346	52.3	39.6
3	10600.00	59.7 PK	74.0	-14.3	1.92 V	329	42.6	17.1
4	10600.00	46.5 AV	54.0	-7.5	1.92 V	329	29.4	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 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	123.9 PK			2.11 H	355	84.2	39.7
2	*5320.00	113.0 AV			2.11 H	355	73.3	39.7
3	5350.00	65.2 PK	74.0	-8.8	1.35 H	35	61.3	3.9
4	5350.00	51.6 AV	54.0	-2.4	1.35 H	35	47.7	3.9
5	10600.00	60.6 PK	74.0	-13.4	2.29 H	27	43.5	17.1
6	10600.00	47.3 AV	54.0	-6.7	2.29 H	27	30.2	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	*5320.00	103.0 PK			1.67 V	348	63.3	39.7
2	*5320.00	92.0 AV			1.67 V	348	52.3	39.7
3	5350.00	60.3 PK	74.0	-13.7	1.67 V	349	56.4	3.9
4	5350.00	48.3 AV	54.0	-5.7	1.67 V	349	44.4	3.9
5	10640.00	59.7 PK	74.0	-14.3	1.76 V	312	42.4	17.3
6	10640.00	46.7 AV	54.0	-7.3	1.76 V	312	29.4	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	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	5460.00	61.5 PK	74.0	-12.5	1.70 H	351	57.5	4.0
2	5460.00	50.3 AV	54.0	-3.7	1.70 H	351	46.3	4.0
3	#5470.00	64.3 PK	74.0	-9.7	1.60 H	351	60.3	4.0
4	#5470.00	52.8 AV	54.0	-1.2	1.60 H	351	48.8	4.0
5	*5500.00	124.3 PK			1.96 H	352	84.3	40.0
6	*5500.00	113.5 AV			1.96 H	352	73.5	40.0
7	11000.00	62.8 PK	74.0	-11.2	2.10 H	352	43.8	19.0
8	11000.00	49.8 AV	54.0	-4.2	2.10 H	352	30.8	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	57.6 PK	74.0	-16.4	1.67 V	0	53.6	4.0
2	5460.00	46.5 AV	54.0	-7.5	1.67 V	0	42.5	4.0
3	#5470.00	58.5 PK	74.0	-15.5	1.65 V	359	54.5	4.0
4	#5470.00	47.6 AV	54.0	-6.4	1.65 V	359	43.6	4.0
5	*5500.00	107.3 PK			1.80 V	354	67.3	40.0
6	*5500.00	96.5 AV			1.80 V	354	56.5	40.0
7	11000.00	61.6 PK	74.0	-12.4	1.57 V	252	42.6	19.0
8	11000.00	48.7 AV	54.0	-5.3	1.57 V	252	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	126.0 PK			1.71 H	355	85.9	40.1
2	*5580.00	115.2 AV			1.71 H	355	75.1	40.1
3	11160.00	62.7 PK	74.0	-11.3	2.09 H	355	44.0	18.7
4	11160.00	49.6 AV	54.0	-4.4	2.09 H	355	30.9	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	109.0 PK			1.79 V	353	68.9	40.1
2	*5580.00	98.4 AV			1.79 V	353	58.3	40.1
3	11160.00	62.6 PK	74.0	-11.4	1.61 V	259	43.9	18.7
4	11160.00	48.6 AV	54.0	-5.4	1.61 V	259	29.9	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	121.2 PK			1.61 H	351	80.9	40.3
2	*5700.00	110.7 AV			1.61 H	351	70.4	40.3
3	#5725.00	68.1 PK	74.0	-5.9	1.33 H	351	63.6	4.5
4	#5725.00	53.0 AV	54.0	-1.0	1.33 H	351	48.5	4.5
5	11400.00	60.3 PK	74.0	-13.7	2.15 H	16	42.1	18.2
6	11400.00	47.5 AV	54.0	-6.5	2.15 H	16	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	*5700.00	106.4 PK			1.72 V	353	66.1	40.3
2	*5700.00	95.4 AV			1.72 V	353	55.1	40.3
3	#5725.00	55.1 PK	74.0	-18.9	1.66 V	348	50.6	4.5
4	#5725.00	45.3 AV	54.0	-8.7	1.66 V	348	40.8	4.5
5	11400.00	60.0 PK	74.0	-14.0	1.52 V	248	41.8	18.2
6	11400.00	47.2 AV	54.0	-6.8	1.52 V	248	29.0	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	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	#5470.00	57.2 PK	74.0	-16.8	1.83 H	177	53.2	4.0
2	#5470.00	43.2 AV	54.0	-10.8	1.83 H	177	39.2	4.0
3	*5720.00	124.5 PK			1.79 H	168	84.1	40.4
4	*5720.00	113.7 AV			1.79 H	168	73.3	40.4
5	#5825.00	57.2 PK	74.0	-16.8	1.69 H	159	52.5	4.7
6	#5825.00	44.3 AV	54.0	-9.7	1.69 H	159	39.6	4.7
7	11440.00	61.1 PK	74.0	-12.9	1.81 H	216	42.8	18.3
8	11440.00	47.9 AV	54.0	-6.1	1.81 H	216	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	55.8 PK	74.0	-18.2	1.32 V	133	51.8	4.0
2	#5470.00	42.3 AV	54.0	-11.7	1.32 V	133	38.3	4.0
3	*5720.00	106.4 PK			1.03 V	123	66.0	40.4
4	*5720.00	95.6 AV			1.03 V	123	55.2	40.4
5	#5825.00	46.7 PK	74.0	-27.3	1.54 V	139	42.0	4.7
6	#5825.00	43.0 AV	54.0	-11.0	1.54 V	139	38.3	4.7
7	11440.00	60.3 PK	74.0	-13.7	1.91 V	162	42.0	18.3
8	11440.00	46.9 AV	54.0	-7.1	1.91 V	162	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.

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	59.4 PK	74.0	-14.6	1.87 H	352	55.8	3.6
2	5150.00	48.3 AV	54.0	-5.7	1.87 H	352	44.7	3.6
3	*5270.00	120.1 PK			1.88 H	353	80.5	39.6
4	*5270.00	110.2 AV			1.88 H	353	70.6	39.6
5	#10540.00	59.2 PK	74.0	-14.8	2.12 H	30	42.1	17.1
6	#10540.00	46.2 AV	54.0	-7.8	2.12 H	30	29.1	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	57.0 PK	74.0	-17.0	1.55 V	0	53.4	3.6
2	5150.00	46.0 AV	54.0	-8.0	1.55 V	0	42.4	3.6
3	*5270.00	101.5 PK			1.35 V	353	61.9	39.6
4	*5270.00	91.1 AV			1.35 V	353	51.5	39.6
5	#10540.00	58.7 PK	74.0	-15.3	1.84 V	299	41.6	17.1
6	#10540.00	45.7 AV	54.0	-8.3	1.84 V	299	28.6	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	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	*5310.00	117.0 PK			1.89 H	357	77.4	39.6
2	*5310.00	106.8 AV			1.89 H	357	67.2	39.6
3	5350.00	66.8 PK	74.0	-7.2	1.31 H	353	62.9	3.9
4	5350.00	52.5 AV	54.0	-1.5	1.31 H	353	48.6	3.9
5	10620.00	58.9 PK	74.0	-15.1	2.21 H	33	41.6	17.3
6	10620.00	45.8 AV	54.0	-8.2	2.21 H	33	28.5	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	97.2 PK			1.36 V	358	57.6	39.6
2	*5310.00	87.2 AV			1.36 V	358	47.6	39.6
3	5350.00	56.6 PK	74.0	-17.4	1.40 V	303	52.7	3.9
4	5350.00	45.6 AV	54.0	-8.4	1.40 V	303	41.7	3.9
5	10620.00	58.4 PK	74.0	-15.6	1.90 V	305	41.1	17.3
6	10620.00	45.5 AV	54.0	-8.5	1.90 V	305	28.2	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 102	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	5460.00	62.2 PK	74.0	-11.8	1.96 H	354	58.2	4.0
2	5460.00	50.5 AV	54.0	-3.5	1.96 H	354	46.5	4.0
3	#5470.00	67.6 PK	74.0	-6.4	1.85 H	352	63.6	4.0
4	#5470.00	52.5 AV	54.0	-1.5	1.85 H	352	48.5	4.0
5	*5510.00	120.0 PK			1.52 H	354	80.0	40.0
6	*5510.00	109.6 AV			1.52 H	354	69.6	40.0
7	11020.00	60.6 PK	74.0	-13.4	1.31 H	19	41.7	18.9
8	11020.00	47.7 AV	54.0	-6.3	1.31 H	19	28.8	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	56.2 PK	74.0	-17.8	1.66 V	356	52.2	4.0
2	5460.00	45.4 AV	54.0	-8.6	1.66 V	356	41.4	4.0
3	#5470.00	56.9 PK	74.0	-17.1	1.73 V	335	52.9	4.0
4	#5470.00	46.3 AV	54.0	-7.7	1.73 V	335	42.3	4.0
5	*5510.00	102.4 PK			1.48 V	355	62.4	40.0
6	*5510.00	92.2 AV			1.48 V	355	52.2	40.0
7	11020.00	60.2 PK	74.0	-13.8	1.41 V	273	41.3	18.9
8	11020.00	47.3 AV	54.0	-6.7	1.41 V	273	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	122.9 PK			1.71 H	354	82.9	40.0
2	*5550.00	112.9 AV			1.71 H	354	72.9	40.0
3	11100.00	61.1 PK	74.0	-12.9	2.18 H	22	42.6	18.5
4	11100.00	48.2 AV	54.0	-5.8	2.18 H	22	29.7	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	105.7 PK			1.67 V	353	65.7	40.0
2	*5550.00	96.1 AV			1.67 V	353	56.1	40.0
3	11100.00	60.6 PK	74.0	-13.4	1.45 V	255	42.1	18.5
4	11100.00	47.7 AV	54.0	-6.3	1.45 V	255	29.2	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	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	*5670.00	120.6 PK			1.64 H	354	80.3	40.3
2	*5670.00	110.1 AV			1.64 H	354	69.8	40.3
3	#5725.00	65.6 PK	74.0	-8.4	1.42 H	349	61.1	4.5
4	#5725.00	52.3 AV	54.0	-1.7	1.42 H	349	47.8	4.5
5	11340.00	60.9 PK	74.0	-13.1	2.20 H	25	42.5	18.4
6	11340.00	47.6 AV	54.0	-6.4	2.20 H	25	29.2	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	104.6 PK			1.63 V	353	64.3	40.3
2	*5670.00	94.4 AV			1.63 V	353	54.1	40.3
3	#5725.00	56.3 PK	74.0	-17.7	1.65 V	350	51.8	4.5
4	#5725.00	45.1 AV	54.0	-8.9	1.65 V	350	40.6	4.5
5	11340.00	60.1 PK	74.0	-13.9	1.40 V	271	41.7	18.4
6	11340.00	47.1 AV	54.0	-6.9	1.40 V	271	28.7	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	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	#5470.00	57.5 PK	74.0	-16.5	1.73 H	181	53.5	4.0
2	#5470.00	44.2 AV	54.0	-9.8	1.73 H	181	40.2	4.0
3	*5710.00	122.6 PK			1.69 H	164	82.2	40.4
4	*5710.00	112.4 AV			1.69 H	164	72.0	40.4
5	#5825.00	58.4 PK	74.0	-15.6	1.68 H	173	53.7	4.7
6	#5825.00	45.4 AV	54.0	-8.6	1.68 H	173	40.7	4.7
7	11420.00	59.8 PK	74.0	-14.2	1.75 H	186	41.6	18.2
8	11420.00	47.3 AV	54.0	-6.7	1.75 H	186	29.1	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	1.49 V	173	52.2	4.0
2	#5470.00	42.9 AV	54.0	-11.1	1.49 V	173	38.9	4.0
3	*5710.00	103.2 PK			1.28 V	160	62.8	40.4
4	*5710.00	93.0 AV			1.28 V	160	52.6	40.4
5	#5825.00	56.4 PK	74.0	-17.6	1.49 V	151	51.7	4.7
6	#5825.00	43.4 AV	54.0	-10.6	1.49 V	151	38.7	4.7
7	11420.00	60.3 PK	74.0	-13.7	1.65 V	154	42.1	18.2
8	11420.00	47.3 AV	54.0	-6.7	1.65 V	154	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)
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	57.4 PK	74.0	-16.6	1.55 H	359	53.8	3.6
2	5150.00	46.2 AV	54.0	-7.8	1.55 H	359	42.6	3.6
3	*5290.00	110.1 PK			1.92 H	356	70.5	39.6
4	*5290.00	100.0 AV			1.92 H	356	60.4	39.6
5	5350.00	64.9 PK	74.0	-9.1	1.89 H	357	61.0	3.9
6	5350.00	52.3 AV	54.0	-1.7	1.89 H	357	48.4	3.9
7	#10580.00	58.4 PK	74.0	-15.6	2.28 H	35	41.2	17.2
8	#10580.00	45.4 AV	54.0	-8.6	2.28 H	35	28.2	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	5150.00	55.4 PK	74.0	-18.6	1.60 V	350	51.8	3.6
2	5150.00	44.5 AV	54.0	-9.5	1.60 V	350	40.9	3.6
3	*5290.00	91.7 PK			1.46 V	355	52.1	39.6
4	*5290.00	81.8 AV			1.46 V	355	42.2	39.6
5	5350.00	56.3 PK	74.0	-17.7	1.59 V	333	52.4	3.9
6	5350.00	45.7 AV	54.0	-8.3	1.59 V	333	41.8	3.9
7	#10580.00	58.3 PK	74.0	-15.7	1.80 V	311	41.1	17.2
8	#10580.00	45.2 AV	54.0	-8.8	1.80 V	311	28.0	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	69.0 PK	74.0	-5.0	1.51 H	350	65.0	4.0
2	5460.00	52.4 AV	54.0	-1.6	1.51 H	350	48.4	4.0
3	#5470.00	69.6 PK	74.0	-4.4	1.33 H	351	65.6	4.0
4	#5470.00	51.9 AV	54.0	-2.1	1.33 H	351	47.9	4.0
5	*5530.00	107.1 PK			1.75 H	354	67.1	40.0
6	*5530.00	94.9 AV			1.75 H	354	54.9	40.0
7	#5725.00	58.6 PK	74.0	-15.4	1.49 H	355	54.1	4.5
8	#5725.00	45.4 AV	54.0	-8.6	1.49 H	355	40.9	4.5
9	11060.00	60.0 PK	74.0	-14.0	2.21 H	31	41.4	18.6
10	11060.00	46.9 AV	54.0	-7.1	2.21 H	31	28.3	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	56.4 PK	74.0	-17.6	1.67 V	355	52.4	4.0
2	5460.00	44.3 AV	54.0	-9.7	1.67 V	355	40.3	4.0
3	#5470.00	55.2 PK	74.0	-18.8	1.70 V	351	51.2	4.0
4	#5470.00	43.9 AV	54.0	-10.1	1.70 V	351	39.9	4.0
5	*5530.00	90.4 PK			1.71 V	355	50.4	40.0
6	*5530.00	80.9 AV			1.71 V	355	40.9	40.0
7	#5725.00	46.4 PK	74.0	-27.6	1.70 V	349	41.9	4.5
8	#5725.00	44.9 AV	54.0	-9.1	1.70 V	349	40.4	4.5
9	10600.00	57.5 PK	74.0	-16.5	1.44 V	265	40.4	17.1
10	10600.00	44.4 AV	54.0	-9.6	1.44 V	265	27.3	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 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	61.5 PK	74.0	-12.5	1.71 H	165	57.5	4.0
2	5460.00	46.5 AV	54.0	-7.5	1.71 H	165	42.5	4.0
3	#5470.00	66.5 PK	74.0	-7.5	1.78 H	163	62.5	4.0
4	#5470.00	51.8 AV	54.0	-2.2	1.78 H	163	47.8	4.0
5	*5610.00	117.6 PK			1.68 H	163	77.4	40.2
6	*5610.00	107.3 AV			1.68 H	163	67.1	40.2
7	#5725.00	66.0 PK	74.0	-8.0	1.68 H	163	61.5	4.5
8	#5725.00	52.7 AV	54.0	-1.3	1.68 H	163	48.2	4.5
9	11220.00	59.8 PK	74.0	-14.2	1.97 H	203	40.9	18.9
10	11220.00	47.1 AV	54.0	-6.9	1.97 H	203	28.2	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	53.8 PK	74.0	-20.2	1.19 V	178	49.8	4.0
2	5460.00	41.7 AV	54.0	-12.3	1.19 V	178	37.7	4.0
3	#5470.00	56.0 PK	74.0	-18.0	1.21 V	178	52.0	4.0
4	#5470.00	42.2 AV	54.0	-11.8	1.21 V	178	38.2	4.0
5	*5610.00	97.9 PK			1.14 V	166	57.7	40.2
6	*5610.00	88.1 AV			1.14 V	166	47.9	40.2
7	#5725.00	56.2 PK	74.0	-17.8	1.31 V	173	51.7	4.5
8	#5725.00	42.8 AV	54.0	-11.2	1.31 V	173	38.3	4.5
9	11220.00	60.6 PK	74.0	-13.4	1.53 V	201	41.7	18.9
10	11220.00	47.1 AV	54.0	-6.9	1.53 V	201	28.2	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	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	#5470.00	59.0 PK	74.0	-15.0	1.81 H	179	55.0	4.0
2	#5470.00	45.0 AV	54.0	-9.0	1.81 H	179	41.0	4.0
3	*5690.00	119.3 PK			1.73 H	164	79.0	40.3
4	*5690.00	108.4 AV			1.73 H	164	68.1	40.3
5	#5825.00	66.0 PK	74.0	-8.0	1.76 H	163	61.3	4.7
6	#5825.00	52.9 AV	54.0	-1.1	1.76 H	163	48.2	4.7
7	11380.00	60.7 PK	74.0	-13.3	1.91 H	178	42.4	18.3
8	11380.00	47.9 AV	54.0	-6.1	1.91 H	178	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	45.7 PK	74.0	-28.3	1.54 V	169	41.7	4.0
2	#5470.00	42.6 AV	54.0	-11.4	1.54 V	169	38.6	4.0
3	*5690.00	99.4 PK			1.27 V	158	59.1	40.3
4	*5690.00	89.3 AV			1.27 V	158	49.0	40.3
5	#5825.00	56.9 PK	74.0	-17.1	1.44 V	167	52.2	4.7
6	#5825.00	43.5 AV	54.0	-10.5	1.44 V	167	38.8	4.7
7	11380.00	60.9 PK	74.0	-13.1	1.83 V	122	42.6	18.3
8	11380.00	47.8 AV	54.0	-6.2	1.83 V	122	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 A2

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	55.5 PK	74.0	-18.5	1.66 H	347	51.9	3.6
2	5150.00	43.8 AV	54.0	-10.2	1.66 H	347	40.2	3.6
3	*5260.00	117.3 PK			1.96 H	355	77.7	39.6
4	*5260.00	106.9 AV			1.96 H	355	67.3	39.6
5	#10520.00	58.2 PK	74.0	-15.8	1.79 H	328	41.2	17.0
6	#10520.00	44.9 AV	54.0	-9.1	1.79 H	328	27.9	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	56.1 PK	74.0	-17.9	1.73 V	344	52.5	3.6
2	5150.00	44.1 AV	54.0	-9.9	1.73 V	344	40.5	3.6
3	*5260.00	118.1 PK			1.94 V	352	78.5	39.6
4	*5260.00	107.4 AV			1.94 V	352	67.8	39.6
5	#10520.00	59.1 PK	74.0	-14.9	1.68 V	311	42.1	17.0
6	#10520.00	45.0 AV	54.0	-9.0	1.68 V	311	28.0	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 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	119.0 PK			1.67 H	351	79.4	39.6
2	*5300.00	107.9 AV			1.67 H	351	68.3	39.6
3	10600.00	58.4 PK	74.0	-15.6	1.74 H	330	41.3	17.1
4	10600.00	45.0 AV	54.0	-9.0	1.74 H	330	27.9	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	116.4 PK			1.65 V	342	76.8	39.6
2	*5300.00	105.8 AV			1.65 V	342	66.2	39.6
3	10600.00	59.1 PK	74.0	-14.9	1.83 V	339	42.0	17.1
4	10600.00	45.5 AV	54.0	-8.5	1.83 V	339	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 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	119.9 PK			1.66 H	351	80.2	39.7
2	*5320.00	108.6 AV			1.66 H	351	68.9	39.7
3	5350.00	57.5 PK	74.0	-16.5	1.80 H	354	53.6	3.9
4	5350.00	45.1 AV	54.0	-8.9	1.80 H	354	41.2	3.9
5	10640.00	58.4 PK	74.0	-15.6	1.77 H	321	41.1	17.3
6	10640.00	45.6 AV	54.0	-8.4	1.77 H	321	28.3	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	118.4 PK			1.78 V	352	78.7	39.7
2	*5320.00	107.7 AV			1.78 V	352	68.0	39.7
3	5350.00	58.3 PK	74.0	-15.7	1.80 V	346	54.4	3.9
4	5350.00	45.4 AV	54.0	-8.6	1.80 V	346	41.5	3.9
5	10640.00	58.8 PK	74.0	-15.2	1.79 V	359	41.5	17.3
6	10640.00	45.1 AV	54.0	-8.9	1.79 V	359	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 100	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	5460.00	56.7 PK	74.0	-17.3	1.79 H	347	52.7	4.0
2	5460.00	44.3 AV	54.0	-9.7	1.79 H	347	40.3	4.0
3	#5470.00	57.7 PK	74.0	-16.3	1.80 H	359	53.7	4.0
4	#5470.00	44.7 AV	54.0	-9.3	1.80 H	359	40.7	4.0
5	*5500.00	119.3 PK			1.77 H	350	79.3	40.0
6	*5500.00	108.4 AV			1.77 H	350	68.4	40.0
7	11000.00	60.6 PK	74.0	-13.4	1.91 H	326	41.6	19.0
8	11000.00	46.9 AV	54.0	-7.1	1.91 H	326	27.9	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	56.7 PK	74.0	-17.3	1.81 V	343	52.7	4.0
2	5460.00	44.3 AV	54.0	-9.7	1.81 V	343	40.3	4.0
3	#5470.00	58.6 PK	74.0	-15.4	1.69 V	351	54.6	4.0
4	#5470.00	44.9 AV	54.0	-9.1	1.69 V	351	40.9	4.0
5	*5500.00	117.1 PK			1.76 V	353	77.1	40.0
6	*5500.00	106.3 AV			1.76 V	353	66.3	40.0
7	11000.00	59.6 PK	74.0	-14.4	1.83 V	297	40.6	19.0
8	11000.00	46.7 AV	54.0	-7.3	1.83 V	297	27.7	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	119.8 PK			1.65 H	352	79.7	40.1
2	*5580.00	108.5 AV			1.65 H	352	68.4	40.1
3	11160.00	60.3 PK	74.0	-13.7	1.85 H	359	41.6	18.7
4	11160.00	46.6 AV	54.0	-7.4	1.85 H	359	27.9	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	118.1 PK			1.85 V	351	78.0	40.1
2	*5580.00	107.6 AV			1.85 V	351	67.5	40.1
3	11160.00	59.9 PK	74.0	-14.1	1.92 V	341	41.2	18.7
4	11160.00	46.6 AV	54.0	-7.4	1.92 V	341	27.9	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	119.9 PK			1.69 H	350	79.6	40.3
2	*5700.00	108.7 AV			1.69 H	350	68.4	40.3
3	#5725.00	58.3 PK	74.0	-15.7	1.59 H	341	53.8	4.5
4	#5725.00	45.5 AV	54.0	-8.5	1.59 H	341	41.0	4.5
5	11400.00	60.6 PK	74.0	-13.4	1.83 H	338	42.4	18.2
6	11400.00	47.7 AV	54.0	-6.3	1.83 H	338	29.5	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	118.6 PK			1.80 V	352	78.3	40.3
2	*5700.00	107.8 AV			1.80 V	352	67.5	40.3
3	#5725.00	57.2 PK	74.0	-16.8	1.91 V	357	52.7	4.5
4	#5725.00	45.0 AV	54.0	-9.0	1.91 V	357	40.5	4.5
5	11140.00	59.9 PK	74.0	-14.1	1.99 V	333	41.3	18.6
6	11140.00	46.3 AV	54.0	-7.7	1.99 V	333	27.7	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 144	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	#5470.00	56.6 PK	74.0	-17.4	1.60 H	345	52.6	4.0
2	#5470.00	45.4 AV	54.0	-8.6	1.60 H	345	41.4	4.0
3	*5720.00	118.7 PK			1.58 H	349	78.3	40.4
4	*5720.00	108.5 AV			1.58 H	349	68.1	40.4
5	#5850.00	56.6 PK	74.0	-17.4	1.61 H	349	51.8	4.8
6	#5850.00	45.4 AV	54.0	-8.6	1.61 H	349	40.6	4.8
7	11440.00	60.8 PK	74.0	-13.2	1.92 H	12	42.5	18.3
8	11440.00	47.6 AV	54.0	-6.4	1.92 H	12	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	56.7 PK	74.0	-17.3	2.00 V	359	52.7	4.0
2	#5470.00	45.5 AV	54.0	-8.5	2.00 V	359	41.5	4.0
3	*5720.00	119.2 PK			1.97 V	349	78.8	40.4
4	*5720.00	109.2 AV			1.97 V	349	68.8	40.4
5	#5850.00	56.6 PK	74.0	-17.4	2.02 V	333	51.8	4.8
6	#5850.00	45.1 AV	54.0	-8.9	2.02 V	333	40.3	4.8
7	11440.00	60.5 PK	74.0	-13.5	1.22 V	288	42.2	18.3
8	11440.00	47.5 AV	54.0	-6.5	1.22 V	288	29.2	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.

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	54.6 PK	74.0	-19.4	1.86 H	333	51.0	3.6
2	5150.00	41.9 AV	54.0	-12.1	1.86 H	333	38.3	3.6
3	*5260.00	119.4 PK			1.73 H	350	79.8	39.6
4	*5260.00	108.0 AV			1.73 H	350	68.4	39.6
5	#10520.00	58.0 PK	74.0	-16.0	1.89 H	327	41.0	17.0
6	#10520.00	44.8 AV	54.0	-9.2	1.89 H	327	27.8	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	56.1 PK	74.0	-17.9	1.78 V	346	52.5	3.6
2	5150.00	43.9 AV	54.0	-10.1	1.78 V	346	40.3	3.6
3	*5260.00	118.7 PK			1.88 V	352	79.1	39.6
4	*5260.00	107.7 AV			1.88 V	352	68.1	39.6
5	#10520.00	58.6 PK	74.0	-15.4	1.89 V	341	41.6	17.0
6	#10520.00	45.3 AV	54.0	-8.7	1.89 V	341	28.3	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	119.0 PK			1.74 H	348	79.4	39.6
2	*5300.00	107.8 AV			1.74 H	348	68.2	39.6
3	10600.00	59.0 PK	74.0	-15.0	1.78 H	337	41.9	17.1
4	10600.00	45.6 AV	54.0	-8.4	1.78 H	337	28.5	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	118.2 PK			1.88 V	352	78.6	39.6
2	*5300.00	107.7 AV			1.88 V	352	68.1	39.6
3	10600.00	58.7 PK	74.0	-15.3	1.78 V	337	41.6	17.1
4	10600.00	45.4 AV	54.0	-8.6	1.78 V	337	28.3	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 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	119.5 PK			1.70 H	350	79.8	39.7
2	*5320.00	107.9 AV			1.70 H	350	68.2	39.7
3	5350.00	58.0 PK	74.0	-16.0	1.66 H	354	54.1	3.9
4	5350.00	45.3 AV	54.0	-8.7	1.66 H	354	41.4	3.9
5	10640.00	58.1 PK	74.0	-15.9	1.83 H	359	40.8	17.3
6	10640.00	44.8 AV	54.0	-9.2	1.83 H	359	27.5	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	118.3 PK			1.88 V	351	78.6	39.7
2	*5320.00	107.6 AV			1.88 V	351	67.9	39.7
3	5350.00	57.8 PK	74.0	-16.2	1.70 V	350	53.9	3.9
4	5350.00	44.9 AV	54.0	-9.1	1.70 V	350	41.0	3.9
5	10640.00	59.1 PK	74.0	-14.9	1.75 V	339	41.8	17.3
6	10640.00	45.0 AV	54.0	-9.0	1.75 V	339	27.7	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	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	5460.00	56.2 PK	74.0	-17.8	1.77 H	359	52.2	4.0
2	5460.00	44.0 AV	54.0	-10.0	1.77 H	359	40.0	4.0
3	#5470.00	57.8 PK	74.0	-16.2	1.87 H	349	53.8	4.0
4	#5470.00	44.8 AV	54.0	-9.2	1.87 H	349	40.8	4.0
5	*5500.00	117.2 PK			1.56 H	357	77.2	40.0
6	*5500.00	106.5 AV			1.56 H	357	66.5	40.0
7	11000.00	61.2 PK	74.0	-12.8	1.96 H	309	42.2	19.0
8	11000.00	48.0 AV	54.0	-6.0	1.96 H	309	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	56.1 PK	74.0	-17.9	1.99 V	347	52.1	4.0
2	5460.00	43.8 AV	54.0	-10.2	1.99 V	347	39.8	4.0
3	#5470.00	58.4 PK	74.0	-15.6	1.99 V	344	54.4	4.0
4	#5470.00	44.6 AV	54.0	-9.4	1.99 V	344	40.6	4.0
5	*5500.00	118.5 PK			1.83 V	352	78.5	40.0
6	*5500.00	107.7 AV			1.83 V	352	67.7	40.0
7	11000.00	60.4 PK	74.0	-13.6	1.63 V	321	41.4	19.0
8	11000.00	47.0 AV	54.0	-7.0	1.63 V	321	28.0	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	119.5 PK			1.65 H	352	79.4	40.1
2	*5580.00	108.1 AV			1.65 H	352	68.0	40.1
3	11160.00	60.2 PK	74.0	-13.8	1.82 H	345	41.5	18.7
4	11160.00	46.5 AV	54.0	-7.5	1.82 H	345	27.8	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	117.8 PK			1.66 V	345	77.7	40.1
2	*5580.00	106.7 AV			1.66 V	345	66.6	40.1
3	11160.00	59.8 PK	74.0	-14.2	1.87 V	333	41.1	18.7
4	11160.00	46.2 AV	54.0	-7.8	1.87 V	333	27.5	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	119.5 PK			1.67 H	348	79.2	40.3
2	*5700.00	108.3 AV			1.67 H	348	68.0	40.3
3	#5725.00	58.5 PK	74.0	-15.5	1.77 H	352	54.0	4.5
4	#5725.00	45.8 AV	54.0	-8.2	1.77 H	352	41.3	4.5
5	11140.00	60.1 PK	74.0	-13.9	1.82 H	334	41.5	18.6
6	11140.00	46.8 AV	54.0	-7.2	1.82 H	334	28.2	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	*5700.00	117.4 PK			1.75 V	355	77.1	40.3
2	*5700.00	106.5 AV			1.75 V	355	66.2	40.3
3	#5725.00	59.3 PK	74.0	-14.7	1.93 V	345	54.8	4.5
4	#5725.00	46.1 AV	54.0	-7.9	1.93 V	345	41.6	4.5
5	11400.00	61.9 PK	74.0	-12.1	1.81 V	299	43.7	18.2
6	11400.00	48.6 AV	54.0	-5.4	1.81 V	299	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	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	#5470.00	56.4 PK	74.0	-17.6	1.48 H	355	52.4	4.0
2	#5470.00	45.4 AV	54.0	-8.6	1.48 H	355	41.4	4.0
3	*5720.00	118.9 PK			1.51 H	351	78.5	40.4
4	*5720.00	108.6 AV			1.51 H	351	68.2	40.4
5	#5850.00	55.9 PK	74.0	-18.1	1.50 H	350	51.1	4.8
6	#5850.00	45.6 AV	54.0	-8.4	1.50 H	350	40.8	4.8
7	11440.00	61.0 PK	74.0	-13.0	1.96 H	16	42.7	18.3
8	11440.00	47.9 AV	54.0	-6.1	1.96 H	16	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	56.7 PK	74.0	-17.3	2.00 V	359	52.7	4.0
2	#5470.00	45.5 AV	54.0	-8.5	2.00 V	359	41.5	4.0
3	*5720.00	119.7 PK			1.97 V	349	79.3	40.4
4	*5720.00	109.7 AV			1.97 V	349	69.3	40.4
5	#5850.00	56.6 PK	74.0	-17.4	2.02 V	333	51.8	4.8
6	#5850.00	45.1 AV	54.0	-8.9	2.02 V	333	40.3	4.8
7	11440.00	60.5 PK	74.0	-13.5	1.22 V	288	42.2	18.3
8	11440.00	47.5 AV	54.0	-6.5	1.22 V	288	29.2	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.

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	56.4 PK	74.0	-17.6	1.74 H	353	52.8	3.6
2	5150.00	46.6 AV	54.0	-7.4	1.74 H	353	43.0	3.6
3	*5270.00	116.2 PK			1.72 H	350	76.6	39.6
4	*5270.00	105.4 AV			1.72 H	350	65.8	39.6
5	#10540.00	58.7 PK	74.0	-15.3	1.89 H	313	41.6	17.1
6	#10540.00	45.5 AV	54.0	-8.5	1.89 H	313	28.4	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	56.3 PK	74.0	-17.7	1.77 V	341	52.7	3.6
2	5150.00	43.6 AV	54.0	-10.4	1.77 V	341	40.0	3.6
3	*5270.00	114.5 PK			1.64 V	346	74.9	39.6
4	*5270.00	104.2 AV			1.64 V	346	64.6	39.6
5	#10540.00	58.7 PK	74.0	-15.3	1.51 V	293	41.6	17.1
6	#10540.00	45.6 AV	54.0	-8.4	1.51 V	293	28.5	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	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	*5310.00	116.4 PK			1.72 H	352	76.8	39.6
2	*5310.00	105.6 AV			1.72 H	352	66.0	39.6
3	5350.00	66.1 PK	74.0	-7.9	1.86 H	339	62.2	3.9
4	5350.00	45.5 AV	54.0	-8.5	1.86 H	339	41.6	3.9
5	10620.00	58.5 PK	74.0	-15.5	1.93 H	317	41.2	17.3
6	10620.00	45.0 AV	54.0	-9.0	1.93 H	317	27.7	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	114.9 PK			1.55 V	346	75.3	39.6
2	*5310.00	104.5 AV			1.55 V	346	64.9	39.6
3	5350.00	57.5 PK	74.0	-16.5	1.51 V	346	53.6	3.9
4	5350.00	45.9 AV	54.0	-8.1	1.51 V	346	42.0	3.9
5	10620.00	58.6 PK	74.0	-15.4	1.77 V	336	41.3	17.3
6	10620.00	45.0 AV	54.0	-9.0	1.77 V	336	27.7	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	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	5460.00	61.1 PK	74.0	-12.9	1.60 H	350	57.1	4.0
2	5460.00	48.4 AV	54.0	-5.6	1.60 H	350	44.4	4.0
3	#5470.00	66.2 PK	74.0	-7.8	1.70 H	353	62.2	4.0
4	#5470.00	50.4 AV	54.0	-3.6	1.70 H	353	46.4	4.0
5	*5510.00	116.2 PK			1.74 H	352	76.2	40.0
6	*5510.00	105.4 AV			1.74 H	352	65.4	40.0
7	11020.00	61.7 PK	74.0	-12.3	2.02 H	25	42.8	18.9
8	11020.00	48.8 AV	54.0	-5.2	2.02 H	25	29.9	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	57.8 PK	74.0	-16.2	1.50 V	352	53.8	4.0
2	5460.00	46.5 AV	54.0	-7.5	1.50 V	352	42.5	4.0
3	#5470.00	62.5 PK	74.0	-11.5	1.92 V	349	58.5	4.0
4	#5470.00	50.4 AV	54.0	-3.6	1.92 V	349	46.4	4.0
5	*5510.00	114.3 PK			1.57 V	349	74.3	40.0
6	*5510.00	104.1 AV			1.57 V	349	64.1	40.0
7	11020.00	61.2 PK	74.0	-12.8	2.48 V	281	42.3	18.9
8	11020.00	48.4 AV	54.0	-5.6	2.48 V	281	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 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	115.5 PK			1.75 H	352	75.5	40.0
2	*5550.00	105.8 AV			1.75 H	352	65.8	40.0
3	11100.00	61.4 PK	74.0	-12.6	1.99 H	5	42.9	18.5
4	11100.00	48.6 AV	54.0	-5.4	1.99 H	5	30.1	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	114.5 PK			1.59 V	347	74.5	40.0
2	*5550.00	104.4 AV			1.59 V	347	64.4	40.0
3	11100.00	60.7 PK	74.0	-13.3	1.70 V	266	42.2	18.5
4	11100.00	47.8 AV	54.0	-6.2	1.70 V	266	29.3	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	115.4 PK			1.75 H	350	75.1	40.3
2	*5670.00	105.0 AV			1.75 H	350	64.7	40.3
3	#5725.00	63.8 PK	74.0	-10.2	1.80 H	344	59.3	4.5
4	#5725.00	46.3 AV	54.0	-7.7	1.80 H	344	41.8	4.5
5	11340.00	60.7 PK	74.0	-13.3	2.03 H	350	42.3	18.4
6	11340.00	47.7 AV	54.0	-6.3	2.03 H	350	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	114.5 PK			1.57 V	348	74.2	40.3
2	*5670.00	104.5 AV			1.57 V	348	64.2	40.3
3	#5725.00	56.2 PK	74.0	-17.8	1.60 V	355	51.7	4.5
4	#5725.00	45.0 AV	54.0	-9.0	1.60 V	355	40.5	4.5
5	11340.00	60.5 PK	74.0	-13.5	1.89 V	290	42.1	18.4
6	11340.00	47.4 AV	54.0	-6.6	1.89 V	290	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	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	#5470.00	57.0 PK	74.0	-17.0	1.51 H	311	53.0	4.0
2	#5470.00	45.9 AV	54.0	-8.1	1.51 H	311	41.9	4.0
3	*5710.00	114.5 PK			1.48 H	349	74.1	40.4
4	*5710.00	104.8 AV			1.48 H	349	64.4	40.4
5	#5850.00	56.4 PK	74.0	-17.6	1.55 H	334	51.6	4.8
6	#5850.00	45.6 AV	54.0	-8.4	1.55 H	334	40.8	4.8
7	11420.00	60.0 PK	74.0	-14.0	1.98 H	24	41.8	18.2
8	11420.00	47.1 AV	54.0	-6.9	1.98 H	24	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	56.6 PK	74.0	-17.4	1.99 V	358	52.6	4.0
2	#5470.00	45.7 AV	54.0	-8.3	1.99 V	358	41.7	4.0
3	*5710.00	115.4 PK			1.99 V	347	75.0	40.4
4	*5710.00	105.8 AV			1.99 V	347	65.4	40.4
5	#5850.00	56.6 PK	74.0	-17.4	2.00 V	350	51.8	4.8
6	#5850.00	45.4 AV	54.0	-8.6	2.00 V	350	40.6	4.8
7	11420.00	59.9 PK	74.0	-14.1	1.30 V	289	41.7	18.2
8	11420.00	47.1 AV	54.0	-6.9	1.30 V	289	28.9	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)
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	57.8 PK	74.0	-16.2	1.74 H	341	54.2	3.6
2	5150.00	43.3 AV	54.0	-10.7	1.74 H	341	39.7	3.6
3	*5290.00	112.6 PK			1.69 H	352	73.0	39.6
4	*5290.00	102.3 AV			1.69 H	352	62.7	39.6
5	5350.00	70.3 PK	74.0	-3.7	1.65 H	355	66.4	3.9
6	5350.00	52.2 AV	54.0	-1.8	1.65 H	355	48.3	3.9
7	#10580.00	58.6 PK	74.0	-15.4	1.91 H	314	41.4	17.2
8	#10580.00	45.7 AV	54.0	-8.3	1.91 H	314	28.5	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	5150.00	56.6 PK	74.0	-17.4	1.73 V	354	53.0	3.6
2	5150.00	43.8 AV	54.0	-10.2	1.73 V	354	40.2	3.6
3	*5290.00	110.0 PK			1.68 V	343	70.4	39.6
4	*5290.00	100.0 AV			1.68 V	343	60.4	39.6
5	5350.00	70.7 PK	74.0	-3.3	1.55 V	352	66.8	3.9
6	5350.00	50.4 AV	54.0	-3.6	1.55 V	352	46.5	3.9
7	#10580.00	59.5 PK	74.0	-14.5	1.87 V	322	42.3	17.2
8	#10580.00	45.9 AV	54.0	-8.1	1.87 V	322	28.7	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	64.4 PK	74.0	-9.6	1.80 H	354	60.4	4.0
2	5460.00	50.0 AV	54.0	-4.0	1.80 H	354	46.0	4.0
3	#5470.00	68.6 PK	74.0	-5.4	1.79 H	349	64.6	4.0
4	#5470.00	52.3 AV	54.0	-1.7	1.79 H	349	48.3	4.0
5	*5530.00	111.6 PK			1.70 H	353	71.6	40.0
6	*5530.00	101.5 AV			1.70 H	353	61.5	40.0
7	#5725.00	54.6 PK	74.0	-19.4	1.90 H	352	50.1	4.5
8	#5725.00	44.3 AV	54.0	-9.7	1.90 H	352	39.8	4.5
9	11340.00	60.1 PK	74.0	-13.9	2.98 H	29	41.7	18.4
10	11340.00	47.1 AV	54.0	-6.9	2.98 H	29	28.7	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	5460.00	63.8 PK	74.0	-10.2	1.69 V	348	59.8	4.0
2	5460.00	51.8 AV	54.0	-2.2	1.69 V	348	47.8	4.0
3	#5470.00	63.3 PK	74.0	-10.7	1.93 V	353	59.3	4.0
4	#5470.00	50.7 AV	54.0	-3.3	1.93 V	353	46.7	4.0
5	*5530.00	109.7 PK			1.61 V	349	69.7	40.0
6	*5530.00	99.9 AV			1.61 V	349	59.9	40.0
7	#5725.00	57.8 PK	74.0	-16.2	1.61 V	350	53.3	4.5
8	#5725.00	46.2 AV	54.0	-7.8	1.61 V	350	41.7	4.5
9	11340.00	59.8 PK	74.0	-14.2	1.88 V	279	41.4	18.4
10	11340.00	46.9 AV	54.0	-7.1	1.88 V	279	28.5	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 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	54.8 PK	74.0	-19.2	1.60 H	342	50.8	4.0
2	5460.00	44.0 AV	54.0	-10.0	1.60 H	342	40.0	4.0
3	#5470.00	56.5 PK	74.0	-17.5	1.56 H	351	52.5	4.0
4	#5470.00	45.1 AV	54.0	-8.9	1.56 H	351	41.1	4.0
5	*5610.00	110.4 PK			1.77 H	352	70.2	40.2
6	*5610.00	100.5 AV			1.77 H	352	60.3	40.2
7	#5725.00	59.5 PK	74.0	-14.5	1.53 H	350	55.0	4.5
8	#5725.00	48.7 AV	54.0	-5.3	1.53 H	350	44.2	4.5
9	11220.00	60.7 PK	74.0	-13.3	2.11 H	52	41.8	18.9
10	11220.00	47.5 AV	54.0	-6.5	2.11 H	52	28.6	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	55.1 PK	74.0	-18.9	2.24 V	360	51.1	4.0
2	5460.00	44.6 AV	54.0	-9.4	2.24 V	360	40.6	4.0
3	#5470.00	56.3 PK	74.0	-17.7	1.96 V	305	52.3	4.0
4	#5470.00	45.2 AV	54.0	-8.8	1.96 V	305	41.2	4.0
5	*5610.00	111.0 PK			1.97 V	349	70.8	40.2
6	*5610.00	101.1 AV			1.97 V	349	60.9	40.2
7	#5850.00	56.4 PK	74.0	-17.6	1.94 V	202	51.6	4.8
8	#5850.00	46.4 AV	54.0	-7.6	1.94 V	202	41.6	4.8
9	11220.00	59.9 PK	74.0	-14.1	1.21 V	276	41.0	18.9
10	11220.00	47.0 AV	54.0	-7.0	1.21 V	276	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	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	#5470.00	54.6 PK	74.0	-19.4	1.48 H	349	50.6	4.0
2	#5470.00	44.6 AV	54.0	-9.4	1.48 H	349	40.6	4.0
3	*5690.00	111.2 PK			1.51 H	351	70.9	40.3
4	*5690.00	101.5 AV			1.51 H	351	61.2	40.3
5	#5850.00	55.0 PK	74.0	-19.0	1.48 H	340	50.2	4.8
6	#5850.00	44.7 AV	54.0	-9.3	1.48 H	340	39.9	4.8
7	11380.00	59.5 PK	74.0	-14.5	2.11 H	27	41.2	18.3
8	11380.00	46.6 AV	54.0	-7.4	2.11 H	27	28.3	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	56.9 PK	74.0	-17.1	1.99 V	347	52.9	4.0
2	#5470.00	45.9 AV	54.0	-8.1	1.99 V	347	41.9	4.0
3	*5690.00	111.5 PK			1.94 V	350	71.2	40.3
4	*5690.00	101.7 AV			1.94 V	350	61.4	40.3
5	#5850.00	56.0 PK	74.0	-18.0	1.96 V	340	51.2	4.8
6	#5850.00	45.7 AV	54.0	-8.3	1.96 V	340	40.9	4.8
7	11380.00	59.7 PK	74.0	-14.3	1.25 V	271	41.4	18.3
8	11380.00	46.9 AV	54.0	-7.1	1.25 V	271	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 B1

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	59.5 PK	74.0	-14.5	1.49 H	171	55.9	3.6
2	5150.00	47.7 AV	54.0	-6.3	1.49 H	171	44.1	3.6
3	*5260.00	125.8 PK			1.80 H	171	86.2	39.6
4	*5260.00	115.7 AV			1.80 H	171	76.1	39.6
5	#10520.00	58.2 PK	74.0	-15.8	1.88 H	203	41.2	17.0
6	#10520.00	45.2 AV	54.0	-8.8	1.88 H	203	28.2	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	54.7 PK	74.0	-19.3	1.99 V	293	51.1	3.6
2	5150.00	42.0 AV	54.0	-12.0	1.99 V	293	38.4	3.6
3	*5260.00	105.4 PK			2.36 V	344	65.8	39.6
4	*5260.00	94.2 AV			2.36 V	344	54.6	39.6
5	#10520.00	58.0 PK	74.0	-16.0	2.11 V	303	41.0	17.0
6	#10520.00	45.3 AV	54.0	-8.7	2.11 V	303	28.3	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	125.0 PK			1.82 H	174	85.4	39.6
2	*5300.00	114.8 AV			1.82 H	174	75.2	39.6
3	5350.00	60.1 PK	74.0	-13.9	1.80 H	174	56.2	3.9
4	5350.00	48.4 AV	54.0	-5.6	1.80 H	174	44.5	3.9
5	10600.00	59.1 PK	74.0	-14.9	1.99 H	222	42.0	17.1
6	10600.00	45.5 AV	54.0	-8.5	1.99 H	222	28.4	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	103.5 PK			2.36 V	303	63.9	39.6
2	*5300.00	92.8 AV			2.36 V	303	53.2	39.6
3	5350.00	55.3 PK	74.0	-18.7	1.93 V	324	51.4	3.9
4	5350.00	42.4 AV	54.0	-11.6	1.93 V	324	38.5	3.9
5	10600.00	57.9 PK	74.0	-16.1	1.89 V	256	40.8	17.1
6	10600.00	45.5 AV	54.0	-8.5	1.89 V	256	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 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	125.3 PK			1.89 H	172	85.6	39.7
2	*5320.00	115.2 AV			1.89 H	172	75.5	39.7
3	5350.00	62.9 PK	74.0	-11.1	1.55 H	172	59.0	3.9
4	5350.00	50.6 AV	54.0	-3.4	1.55 H	172	46.7	3.9
5	10640.00	60.6 PK	74.0	-13.4	1.89 H	245	43.3	17.3
6	10640.00	47.0 AV	54.0	-7.0	1.89 H	245	29.7	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	103.8 PK			2.62 V	341	64.1	39.7
2	*5320.00	93.4 AV			2.62 V	341	53.7	39.7
3	5350.00	55.3 PK	74.0	-18.7	2.31 V	359	51.4	3.9
4	5350.00	42.4 AV	54.0	-11.6	2.31 V	359	38.5	3.9
5	10640.00	59.4 PK	74.0	-14.6	1.93 V	287	42.1	17.3
6	10640.00	45.6 AV	54.0	-8.4	1.93 V	287	28.3	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	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	5460.00	61.5 PK	74.0	-12.5	1.74 H	346	57.5	4.0
2	5460.00	49.6 AV	54.0	-4.4	1.74 H	346	45.6	4.0
3	#5470.00	65.4 PK	74.0	-8.6	1.70 H	346	61.4	4.0
4	#5470.00	52.5 AV	54.0	-1.5	1.70 H	346	48.5	4.0
5	*5500.00	124.4 PK			1.84 H	173	84.4	40.0
6	*5500.00	114.7 AV			1.84 H	173	74.7	40.0
7	11000.00	65.0 PK	74.0	-9.0	1.20 H	346	46.0	19.0
8	11000.00	52.3 AV	54.0	-1.7	1.20 H	346	33.3	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	56.3 PK	74.0	-17.7	2.60 V	251	52.3	4.0
2	5460.00	45.6 AV	54.0	-8.4	2.60 V	251	41.6	4.0
3	#5470.00	58.5 PK	74.0	-15.5	2.66 V	270	54.5	4.0
4	#5470.00	47.5 AV	54.0	-6.5	2.66 V	270	43.5	4.0
5	*5500.00	105.3 PK			2.66 V	264	65.3	40.0
6	*5500.00	96.1 AV			2.66 V	264	56.1	40.0
7	11000.00	62.5 PK	74.0	-11.5	1.99 V	183	43.5	19.0
8	11000.00	49.5 AV	54.0	-4.5	1.99 V	183	30.5	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	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	124.2 PK			1.86 H	173	84.1	40.1
2	*5580.00	114.5 AV			1.86 H	173	74.4	40.1
3	11160.00	63.3 PK	74.0	-10.7	1.27 H	349	44.6	18.7
4	11160.00	50.5 AV	54.0	-3.5	1.27 H	349	31.8	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	105.6 PK			2.71 V	263	65.5	40.1
2	*5580.00	95.7 AV			2.71 V	263	55.6	40.1
3	11160.00	62.5 PK	74.0	-11.5	2.11 V	192	43.8	18.7
4	11160.00	49.1 AV	54.0	-4.9	2.11 V	192	30.4	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	124.7 PK			1.76 H	347	84.4	40.3
2	*5700.00	114.6 AV			1.76 H	347	74.3	40.3
3	#5725.00	68.3 PK	74.0	-5.7	1.75 H	345	63.8	4.5
4	#5725.00	52.7 AV	54.0	-1.3	1.75 H	345	48.2	4.5
5	11400.00	62.6 PK	74.0	-11.4	1.32 H	345	44.4	18.2
6	11400.00	49.9 AV	54.0	-4.1	1.32 H	345	31.7	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	105.6 PK			2.60 V	258	65.3	40.3
2	*5700.00	95.7 AV			2.60 V	258	55.4	40.3
3	#5725.00	58.3 PK	74.0	-15.7	2.66 V	280	53.8	4.5
4	#5725.00	46.9 AV	54.0	-7.1	2.66 V	280	42.4	4.5
5	11400.00	60.9 PK	74.0	-13.1	2.08 V	173	42.7	18.2
6	11400.00	47.9 AV	54.0	-6.1	2.08 V	173	29.7	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	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	#5470.00	57.7 PK	74.0	-16.3	1.93 H	188	53.7	4.0
2	#5470.00	43.9 AV	54.0	-10.1	1.93 H	188	39.9	4.0
3	*5720.00	126.6 PK			1.88 H	173	86.2	40.4
4	*5720.00	115.5 AV			1.88 H	173	75.1	40.4
5	#5825.00	58.0 PK	74.0	-16.0	1.83 H	189	53.3	4.7
6	#5825.00	44.5 AV	54.0	-9.5	1.83 H	189	39.8	4.7
7	11440.00	61.8 PK	74.0	-12.2	1.73 H	169	43.5	18.3
8	11440.00	48.4 AV	54.0	-5.6	1.73 H	169	30.1	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	56.3 PK	74.0	-17.7	2.44 V	333	52.3	4.0
2	#5470.00	42.6 AV	54.0	-11.4	2.44 V	333	38.6	4.0
3	*5720.00	107.6 PK			2.66 V	304	67.2	40.4
4	*5720.00	97.2 AV			2.66 V	304	56.8	40.4
5	#5825.00	57.3 PK	74.0	-16.7	2.37 V	334	52.6	4.7
6	#5825.00	43.2 AV	54.0	-10.8	2.37 V	334	38.5	4.7
7	11440.00	70.9 PK	74.0	-3.1	1.93 V	344	52.6	18.3
8	11440.00	47.6 AV	54.0	-6.4	1.93 V	344	29.3	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	5150.00	57.7 PK	74.0	-16.3	1.62 H	173	54.1	3.6
2	5150.00	47.1 AV	54.0	-6.9	1.62 H	173	43.5	3.6
3	*5260.00	124.7 PK			1.86 H	343	85.1	39.6
4	*5260.00	114.3 AV			1.86 H	343	74.7	39.6
5	#10520.00	60.0 PK	74.0	-14.0	1.99 H	203	43.0	17.0
6	#10520.00	46.6 AV	54.0	-7.4	1.99 H	203	29.6	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	54.6 PK	74.0	-19.4	2.11 V	297	51.0	3.6
2	5150.00	41.9 AV	54.0	-12.1	2.11 V	297	38.3	3.6
3	*5260.00	104.8 PK			2.53 V	340	65.2	39.6
4	*5260.00	94.4 AV			2.53 V	340	54.8	39.6
5	#10520.00	59.1 PK	74.0	-14.9	2.33 V	324	42.1	17.0
6	#10520.00	45.5 AV	54.0	-8.5	2.33 V	324	28.5	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 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	125.0 PK			1.91 H	174	85.4	39.6
2	*5300.00	114.6 AV			1.91 H	174	75.0	39.6
3	5350.00	59.8 PK	74.0	-14.2	2.03 H	199	55.9	3.9
4	5350.00	48.0 AV	54.0	-6.0	2.03 H	199	44.1	3.9
5	10600.00	59.5 PK	74.0	-14.5	1.83 H	293	42.4	17.1
6	10600.00	46.7 AV	54.0	-7.3	1.83 H	293	29.6	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	104.1 PK			2.52 V	341	64.5	39.6
2	*5300.00	93.2 AV			2.52 V	341	53.6	39.6
3	5350.00	55.5 PK	74.0	-18.5	2.22 V	333	51.6	3.9
4	5350.00	42.1 AV	54.0	-11.9	2.22 V	333	38.2	3.9
5	10600.00	58.2 PK	74.0	-15.8	2.31 V	268	41.1	17.1
6	10600.00	45.2 AV	54.0	-8.8	2.31 V	268	28.1	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 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	125.2 PK			1.89 H	175	85.5	39.7
2	*5320.00	114.8 AV			1.89 H	175	75.1	39.7
3	5350.00	65.1 PK	74.0	-8.9	1.67 H	343	61.2	3.9
4	5350.00	52.2 AV	54.0	-1.8	1.67 H	343	48.3	3.9
5	10640.00	59.9 PK	74.0	-14.1	1.98 H	287	42.6	17.3
6	10640.00	45.7 AV	54.0	-8.3	1.98 H	287	28.4	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	103.9 PK			2.64 V	340	64.2	39.7
2	*5320.00	93.4 AV			2.64 V	340	53.7	39.7
3	5350.00	55.9 PK	74.0	-18.1	2.54 V	319	52.0	3.9
4	5350.00	42.5 AV	54.0	-11.5	2.54 V	319	38.6	3.9
5	10640.00	58.6 PK	74.0	-15.4	2.16 V	278	41.3	17.3
6	10640.00	45.4 AV	54.0	-8.6	2.16 V	278	28.1	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	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	5460.00	62.1 PK	74.0	-11.9	1.75 H	345	58.1	4.0
2	5460.00	49.3 AV	54.0	-4.7	1.75 H	345	45.3	4.0
3	#5470.00	66.9 PK	74.0	-7.1	1.72 H	345	62.9	4.0
4	#5470.00	52.5 AV	54.0	-1.5	1.72 H	345	48.5	4.0
5	*5500.00	125.2 PK			1.77 H	345	85.2	40.0
6	*5500.00	114.6 AV			1.77 H	345	74.6	40.0
7	11000.00	64.1 PK	74.0	-9.9	1.31 H	345	45.1	19.0
8	11000.00	51.2 AV	54.0	-2.8	1.31 H	345	32.2	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	55.7 PK	74.0	-18.3	2.35 V	190	51.7	4.0
2	5460.00	45.1 AV	54.0	-8.9	2.35 V	190	41.1	4.0
3	#5470.00	56.6 PK	74.0	-17.4	2.60 V	210	52.6	4.0
4	#5470.00	45.8 AV	54.0	-8.2	2.60 V	210	41.8	4.0
5	*5500.00	106.4 PK			2.43 V	259	66.4	40.0
6	*5500.00	95.2 AV			2.43 V	259	55.2	40.0
7	11000.00	61.5 PK	74.0	-12.5	2.06 V	244	42.5	19.0
8	11000.00	48.7 AV	54.0	-5.3	2.06 V	244	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	125.4 PK			1.75 H	344	85.3	40.1
2	*5580.00	114.7 AV			1.75 H	344	74.6	40.1
3	11160.00	65.0 PK	74.0	-9.0	1.28 H	349	46.3	18.7
4	11160.00	51.9 AV	54.0	-2.1	1.28 H	349	33.2	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	106.8 PK			2.72 V	258	66.7	40.1
2	*5580.00	95.7 AV			2.72 V	258	55.6	40.1
3	11160.00	62.5 PK	74.0	-11.5	2.11 V	190	43.8	18.7
4	11160.00	48.7 AV	54.0	-5.3	2.11 V	190	30.0	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	122.6 PK			1.79 H	347	82.3	40.3
2	*5700.00	111.8 AV			1.79 H	347	71.5	40.3
3	#5725.00	67.6 PK	74.0	-6.4	1.75 H	344	63.1	4.5
4	#5725.00	53.0 AV	54.0	-1.0	1.75 H	344	48.5	4.5
5	11400.00	61.6 PK	74.0	-12.4	1.30 H	348	43.4	18.2
6	11400.00	48.8 AV	54.0	-5.2	1.30 H	348	30.6	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	103.5 PK			2.84 V	259	63.2	40.3
2	*5700.00	93.0 AV			2.84 V	259	52.7	40.3
3	#5725.00	59.3 PK	74.0	-14.7	2.56 V	244	54.8	4.5
4	#5725.00	48.0 AV	54.0	-6.0	2.56 V	244	43.5	4.5
5	11400.00	60.9 PK	74.0	-13.1	2.12 V	175	42.7	18.2
6	11400.00	47.9 AV	54.0	-6.1	2.12 V	175	29.7	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	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	#5470.00	57.2 PK	74.0	-16.8	1.93 H	187	53.2	4.0
2	#5470.00	43.8 AV	54.0	-10.2	1.93 H	187	39.8	4.0
3	*5720.00	126.0 PK			1.82 H	175	85.6	40.4
4	*5720.00	115.1 AV			1.82 H	175	74.7	40.4
5	#5825.00	57.7 PK	74.0	-16.3	1.88 H	193	53.0	4.7
6	#5825.00	44.6 AV	54.0	-9.4	1.88 H	193	39.9	4.7
7	11440.00	60.5 PK	74.0	-13.5	1.76 H	193	42.2	18.3
8	11440.00	47.9 AV	54.0	-6.1	1.76 H	193	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	56.1 PK	74.0	-17.9	2.22 V	319	52.1	4.0
2	#5470.00	42.7 AV	54.0	-11.3	2.22 V	319	38.7	4.0
3	*5720.00	108.1 PK			2.53 V	301	67.7	40.4
4	*5720.00	96.8 AV			2.53 V	301	56.4	40.4
5	#5825.00	56.1 PK	74.0	-17.9	2.27 V	325	51.4	4.7
6	#5825.00	43.2 AV	54.0	-10.8	2.27 V	325	38.5	4.7
7	11440.00	60.9 PK	74.0	-13.1	2.37 V	298	42.6	18.3
8	11440.00	47.5 AV	54.0	-6.5	2.37 V	298	29.2	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.

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	59.1 PK	74.0	-14.9	1.68 H	345	55.5	3.6
2	5150.00	47.6 AV	54.0	-6.4	1.68 H	345	44.0	3.6
3	*5270.00	121.9 PK			1.72 H	177	82.3	39.6
4	*5270.00	111.5 AV			1.72 H	177	71.9	39.6
5	#10540.00	58.7 PK	74.0	-15.3	1.92 H	279	41.6	17.1
6	#10540.00	45.9 AV	54.0	-8.1	1.92 H	279	28.8	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	5150.00	54.4 PK	74.0	-19.6	2.49 V	223	50.8	3.6
2	5150.00	43.9 AV	54.0	-10.1	2.49 V	223	40.3	3.6
3	*5270.00	102.1 PK			2.77 V	219	62.5	39.6
4	*5270.00	92.2 AV			2.77 V	219	52.6	39.6
5	#10540.00	58.5 PK	74.0	-15.5	2.10 V	290	41.4	17.1
6	#10540.00	45.4 AV	54.0	-8.6	2.10 V	290	28.3	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	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	*5310.00	117.9 PK			1.79 H	176	78.3	39.6
2	*5310.00	107.5 AV			1.79 H	176	67.9	39.6
3	5350.00	66.0 PK	74.0	-8.0	2.12 H	348	62.1	3.9
4	5350.00	52.5 AV	54.0	-1.5	2.12 H	348	48.6	3.9
5	10620.00	58.6 PK	74.0	-15.4	2.12 H	264	41.3	17.3
6	10620.00	45.5 AV	54.0	-8.5	2.12 H	264	28.2	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	97.0 PK			2.89 V	216	57.4	39.6
2	*5310.00	87.3 AV			2.89 V	216	47.7	39.6
3	5350.00	54.2 PK	74.0	-19.8	2.59 V	233	50.3	3.9
4	5350.00	43.5 AV	54.0	-10.5	2.59 V	233	39.6	3.9
5	10620.00	58.3 PK	74.0	-15.7	2.19 V	270	41.0	17.3
6	10620.00	45.2 AV	54.0	-8.8	2.19 V	270	27.9	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	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	5460.00	62.3 PK	74.0	-11.7	1.77 H	340	58.3	4.0
2	5460.00	49.0 AV	54.0	-5.0	1.77 H	340	45.0	4.0
3	#5470.00	69.8 PK	74.0	-4.2	1.95 H	344	65.8	4.0
4	#5470.00	52.5 AV	54.0	-1.5	1.95 H	344	48.5	4.0
5	*5510.00	118.8 PK			1.70 H	346	78.8	40.0
6	*5510.00	108.4 AV			1.70 H	346	68.4	40.0
7	11020.00	61.7 PK	74.0	-12.3	1.25 H	348	42.8	18.9
8	11020.00	48.4 AV	54.0	-5.6	1.25 H	348	29.5	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	56.4 PK	74.0	-17.6	2.61 V	252	52.4	4.0
2	5460.00	45.6 AV	54.0	-8.4	2.61 V	252	41.6	4.0
3	#5470.00	56.0 PK	74.0	-18.0	2.70 V	270	52.0	4.0
4	#5470.00	44.8 AV	54.0	-9.2	2.70 V	270	40.8	4.0
5	*5510.00	99.3 PK			2.78 V	259	59.3	40.0
6	*5510.00	89.4 AV			2.78 V	259	49.4	40.0
7	11020.00	61.4 PK	74.0	-12.6	2.19 V	275	42.5	18.9
8	11020.00	48.0 AV	54.0	-6.0	2.19 V	275	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 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	122.4 PK			1.72 H	346	82.4	40.0
2	*5550.00	112.4 AV			1.72 H	346	72.4	40.0
3	11100.00	61.9 PK	74.0	-12.1	1.39 H	349	43.4	18.5
4	11100.00	49.3 AV	54.0	-4.7	1.39 H	349	30.8	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	102.7 PK			2.62 V	261	62.7	40.0
2	*5550.00	93.4 AV			2.62 V	261	53.4	40.0
3	11000.00	61.8 PK	74.0	-12.2	2.03 V	290	42.8	19.0
4	11000.00	48.9 AV	54.0	-5.1	2.03 V	290	29.9	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 134	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	*5670.00	121.9 PK			1.82 H	349	81.6	40.3
2	*5670.00	112.4 AV			1.82 H	349	72.1	40.3
3	#5725.00	64.4 PK	74.0	-9.6	1.79 H	349	59.9	4.5
4	#5725.00	52.3 AV	54.0	-1.7	1.79 H	349	47.8	4.5
5	11340.00	62.2 PK	74.0	-11.8	1.45 H	342	43.8	18.4
6	11340.00	49.3 AV	54.0	-4.7	1.45 H	342	30.9	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	102.0 PK			2.76 V	263	61.7	40.3
2	*5670.00	92.5 AV			2.76 V	263	52.2	40.3
3	#5725.00	58.8 PK	74.0	-15.2	2.59 V	281	54.3	4.5
4	#5725.00	46.9 AV	54.0	-7.1	2.59 V	281	42.4	4.5
5	11340.00	60.9 PK	74.0	-13.1	2.29 V	224	42.5	18.4
6	11340.00	48.0 AV	54.0	-6.0	2.29 V	224	29.6	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	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	#5470.00	56.0 PK	74.0	-18.0	1.69 H	203	52.0	4.0
2	#5470.00	43.8 AV	54.0	-10.2	1.69 H	203	39.8	4.0
3	*5710.00	123.0 PK			1.76 H	347	82.6	40.4
4	*5710.00	113.2 AV			1.76 H	347	72.8	40.4
5	#5825.00	57.0 PK	74.0	-17.0	1.77 H	193	52.3	4.7
6	#5825.00	44.4 AV	54.0	-9.6	1.77 H	193	39.7	4.7
7	11420.00	61.0 PK	74.0	-13.0	1.93 H	321	42.8	18.2
8	11420.00	48.2 AV	54.0	-5.8	1.93 H	321	30.0	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	2.19 V	329	51.8	4.0
2	#5470.00	42.5 AV	54.0	-11.5	2.19 V	329	38.5	4.0
3	*5710.00	104.1 PK			2.54 V	300	63.7	40.4
4	*5710.00	94.4 AV			2.54 V	300	54.0	40.4
5	#5825.00	56.8 PK	74.0	-17.2	2.17 V	289	52.1	4.7
6	#5825.00	43.3 AV	54.0	-10.7	2.17 V	289	38.6	4.7
7	11420.00	61.4 PK	74.0	-12.6	1.93 V	333	43.2	18.2
8	11420.00	47.6 AV	54.0	-6.4	1.93 V	333	29.4	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	5150.00	56.3 PK	74.0	-17.7	2.07 H	162	52.7	3.6
2	5150.00	45.3 AV	54.0	-8.7	2.07 H	162	41.7	3.6
3	*5290.00	111.9 PK			1.84 H	347	72.3	39.6
4	*5290.00	102.0 AV			1.84 H	347	62.4	39.6
5	5350.00	66.8 PK	74.0	-7.2	1.89 H	346	62.9	3.9
6	5350.00	52.3 AV	54.0	-1.7	1.89 H	346	48.4	3.9
7	#10580.00	58.2 PK	74.0	-15.8	2.20 H	47	41.0	17.2
8	#10580.00	44.9 AV	54.0	-9.1	2.20 H	47	27.7	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	5150.00	56.1 PK	74.0	-17.9	2.39 V	229	52.5	3.6
2	5150.00	44.9 AV	54.0	-9.1	2.39 V	229	41.3	3.6
3	*5290.00	92.1 PK			2.78 V	221	52.5	39.6
4	*5290.00	82.1 AV			2.78 V	221	42.5	39.6
5	5350.00	56.0 PK	74.0	-18.0	2.55 V	222	52.1	3.9
6	5350.00	44.4 AV	54.0	-9.6	2.55 V	222	40.5	3.9
7	#10580.00	57.5 PK	74.0	-16.5	2.23 V	284	40.3	17.2
8	#10580.00	44.7 AV	54.0	-9.3	2.23 V	284	27.5	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	69.3 PK	74.0	-4.7	1.70 H	347	65.3	4.0
2	5460.00	52.4 AV	54.0	-1.6	1.70 H	347	48.4	4.0
3	#5470.00	58.5 PK	74.0	-15.5	1.66 H	346	54.5	4.0
4	#5470.00	46.2 AV	54.0	-7.8	1.66 H	346	42.2	4.0
5	*5530.00	110.9 PK			1.81 H	347	70.9	40.0
6	*5530.00	100.3 AV			1.81 H	347	60.3	40.0
7	#5725.00	57.3 PK	74.0	-16.7	1.78 H	355	52.8	4.5
8	#5725.00	46.1 AV	54.0	-7.9	1.78 H	355	41.6	4.5
9	11060.00	60.1 PK	74.0	-13.9	1.30 H	355	41.5	18.6
10	11060.00	46.8 AV	54.0	-7.2	1.30 H	355	28.2	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	55.7 PK	74.0	-18.3	2.60 V	277	51.7	4.0
2	5460.00	44.5 AV	54.0	-9.5	2.60 V	277	40.5	4.0
3	#5470.00	56.3 PK	74.0	-17.7	2.55 V	255	52.3	4.0
4	#5470.00	44.9 AV	54.0	-9.1	2.55 V	255	40.9	4.0
5	*5530.00	91.4 PK			2.80 V	360	51.4	40.0
6	*5530.00	81.7 AV			2.80 V	360	41.7	40.0
7	#5725.00	56.4 PK	74.0	-17.6	2.70 V	249	51.9	4.5
8	#5725.00	45.2 AV	54.0	-8.8	2.70 V	249	40.7	4.5
9	10600.00	58.8 PK	74.0	-15.2	2.13 V	177	41.7	17.1
10	10600.00	45.6 AV	54.0	-8.4	2.13 V	177	28.5	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 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	61.5 PK	74.0	-12.5	1.81 H	193	57.5	4.0
2	5460.00	48.0 AV	54.0	-6.0	1.81 H	193	44.0	4.0
3	#5470.00	67.0 PK	74.0	-7.0	1.75 H	174	63.0	4.0
4	#5470.00	52.1 AV	54.0	-1.9	1.75 H	174	48.1	4.0
5	*5610.00	119.0 PK			1.76 H	173	78.8	40.2
6	*5610.00	108.3 AV			1.76 H	173	68.1	40.2
7	#5725.00	66.9 PK	74.0	-7.1	1.74 H	173	62.4	4.5
8	#5725.00	52.8 AV	54.0	-1.2	1.74 H	173	48.3	4.5
9	11220.00	61.0 PK	74.0	-13.0	1.88 H	193	42.1	18.9
10	11220.00	47.7 AV	54.0	-6.3	1.88 H	193	28.8	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	54.0 PK	74.0	-20.0	2.99 V	321	50.0	4.0
2	5460.00	42.4 AV	54.0	-11.6	2.99 V	321	38.4	4.0
3	#5470.00	56.0 PK	74.0	-18.0	3.03 V	311	52.0	4.0
4	#5470.00	42.7 AV	54.0	-11.3	3.03 V	311	38.7	4.0
5	*5610.00	98.5 PK			3.17 V	298	58.3	40.2
6	*5610.00	89.4 AV			3.17 V	298	49.2	40.2
7	#5725.00	56.5 PK	74.0	-17.5	2.97 V	287	52.0	4.5
8	#5725.00	43.2 AV	54.0	-10.8	2.97 V	287	38.7	4.5
9	11220.00	60.4 PK	74.0	-13.6	1.77 V	193	41.5	18.9
10	11220.00	47.5 AV	54.0	-6.5	1.77 V	193	28.6	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	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	#5470.00	59.1 PK	74.0	-14.9	1.82 H	346	55.1	4.0
2	#5470.00	49.3 AV	54.0	-4.7	1.82 H	346	45.3	4.0
3	*5690.00	119.6 PK			1.67 H	173	79.3	40.3
4	*5690.00	109.7 AV			1.67 H	173	69.4	40.3
5	#5825.00	65.4 PK	74.0	-8.6	1.73 H	173	60.7	4.7
6	#5825.00	52.0 AV	54.0	-2.0	1.73 H	173	47.3	4.7
7	11380.00	60.7 PK	74.0	-13.3	1.79 H	315	42.4	18.3
8	11380.00	47.4 AV	54.0	-6.6	1.79 H	315	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	55.7 PK	74.0	-18.3	1.33 V	311	51.7	4.0
2	#5470.00	42.4 AV	54.0	-11.6	1.33 V	311	38.4	4.0
3	*5690.00	100.9 PK			1.11 V	301	60.6	40.3
4	*5690.00	90.1 AV			1.11 V	301	49.8	40.3
5	#5825.00	56.4 PK	74.0	-17.6	1.11 V	293	51.7	4.7
6	#5825.00	33.4 AV	54.0	-20.6	1.11 V	293	28.7	4.7
7	11380.00	61.0 PK	74.0	-13.0	1.44 V	297	42.7	18.3
8	11380.00	47.6 AV	54.0	-6.4	1.44 V	297	29.3	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 B2

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	58.2 PK	74.0	-15.8	1.70 H	1	54.6	3.6
2	5150.00	46.6 AV	54.0	-7.4	1.70 H	1	43.0	3.6
3	*5260.00	118.8 PK			1.62 H	352	79.2	39.6
4	*5260.00	108.4 AV			1.62 H	352	68.8	39.6
5	#10520.00	59.6 PK	74.0	-14.4	2.03 H	16	42.6	17.0
6	#10520.00	46.5 AV	54.0	-7.5	2.03 H	16	29.5	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	56.3 PK	74.0	-17.7	1.88 V	349	52.7	3.6
2	5150.00	45.2 AV	54.0	-8.8	1.88 V	349	41.6	3.6
3	*5260.00	117.4 PK			1.90 V	344	77.8	39.6
4	*5260.00	107.1 AV			1.90 V	344	67.5	39.6
5	#10520.00	58.4 PK	74.0	-15.6	1.53 V	267	41.4	17.0
6	#10520.00	45.7 AV	54.0	-8.3	1.53 V	267	28.7	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	118.4 PK			1.68 H	349	78.8	39.6
2	*5300.00	107.7 AV			1.68 H	349	68.1	39.6
3	10600.00	59.4 PK	74.0	-14.6	2.05 H	34	42.3	17.1
4	10600.00	46.3 AV	54.0	-7.7	2.05 H	34	29.2	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	117.6 PK			1.98 V	345	78.0	39.6
2	*5300.00	106.6 AV			1.98 V	345	67.0	39.6
3	10600.00	58.1 PK	74.0	-15.9	1.44 V	288	41.0	17.1
4	10600.00	45.3 AV	54.0	-8.7	1.44 V	288	28.2	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			1.67 H	350	78.9	39.7
2	*5320.00	108.1 AV			1.67 H	350	68.4	39.7
3	5350.00	59.5 PK	74.0	-14.5	1.75 H	352	55.6	3.9
4	5350.00	48.3 AV	54.0	-5.7	1.75 H	352	44.4	3.9
5	10640.00	59.5 PK	74.0	-14.5	2.07 H	35	42.2	17.3
6	10640.00	46.3 AV	54.0	-7.7	2.07 H	35	29.0	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	117.1 PK			1.92 V	346	77.4	39.7
2	*5320.00	107.0 AV			1.92 V	346	67.3	39.7
3	5350.00	55.7 PK	74.0	-18.3	1.98 V	294	51.8	3.9
4	5350.00	45.0 AV	54.0	-9.0	1.98 V	294	41.1	3.9
5	10640.00	59.1 PK	74.0	-14.9	1.47 V	301	41.8	17.3
6	10640.00	45.3 AV	54.0	-8.7	1.47 V	301	28.0	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	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	5460.00	58.0 PK	74.0	-16.0	1.70 H	347	54.0	4.0
2	5460.00	45.3 AV	54.0	-8.7	1.70 H	347	41.3	4.0
3	#5470.00	58.3 PK	74.0	-15.7	1.73 H	353	54.3	4.0
4	#5470.00	46.7 AV	54.0	-7.3	1.73 H	353	42.7	4.0
5	*5500.00	118.7 PK			1.65 H	350	78.7	40.0
6	*5500.00	108.2 AV			1.65 H	350	68.2	40.0
7	11000.00	61.5 PK	74.0	-12.5	1.88 H	35	42.5	19.0
8	11000.00	48.3 AV	54.0	-5.7	1.88 H	35	29.3	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	54.9 PK	74.0	-19.1	1.90 V	340	50.9	4.0
2	5460.00	44.2 AV	54.0	-9.8	1.90 V	340	40.2	4.0
3	#5470.00	56.8 PK	74.0	-17.2	2.00 V	343	52.8	4.0
4	#5470.00	44.8 AV	54.0	-9.2	2.00 V	343	40.8	4.0
5	*5500.00	117.7 PK			1.98 V	345	77.7	40.0
6	*5500.00	107.7 AV			1.98 V	345	67.7	40.0
7	11000.00	61.4 PK	74.0	-12.6	1.88 V	282	42.4	19.0
8	11000.00	48.6 AV	54.0	-5.4	1.88 V	282	29.6	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	119.0 PK			1.66 H	351	78.9	40.1
2	*5580.00	108.4 AV			1.66 H	351	68.3	40.1
3	11160.00	60.7 PK	74.0	-13.3	1.96 H	51	42.0	18.7
4	11160.00	48.1 AV	54.0	-5.9	1.96 H	51	29.4	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	118.0 PK			1.98 V	345	77.9	40.1
2	*5580.00	107.8 AV			1.98 V	345	67.7	40.1
3	11160.00	61.0 PK	74.0	-13.0	1.77 V	279	42.3	18.7
4	11160.00	48.1 AV	54.0	-5.9	1.77 V	279	29.4	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	119.1 PK			1.66 H	352	78.8	40.3
2	*5700.00	108.6 AV			1.66 H	352	68.3	40.3
3	#5725.00	57.8 PK	74.0	-16.2	1.71 H	348	53.3	4.5
4	#5725.00	46.6 AV	54.0	-7.4	1.71 H	348	42.1	4.5
5	11400.00	60.4 PK	74.0	-13.6	1.86 H	20	42.2	18.2
6	11400.00	47.7 AV	54.0	-6.3	1.86 H	20	29.5	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	117.2 PK			1.93 V	351	76.9	40.3
2	*5700.00	107.7 AV			1.93 V	351	67.4	40.3
3	#5725.00	59.5 PK	74.0	-14.5	1.96 V	345	55.0	4.5
4	#5725.00	48.2 AV	54.0	-5.8	1.96 V	345	43.7	4.5
5	11400.00	60.8 PK	74.0	-13.2	1.70 V	289	42.6	18.2
6	11400.00	47.7 AV	54.0	-6.3	1.70 V	289	29.5	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	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	#5470.00	54.6 PK	74.0	-19.4	1.70 H	345	50.6	4.0
2	#5470.00	43.6 AV	54.0	-10.4	1.70 H	345	39.6	4.0
3	*5720.00	119.5 PK			1.79 H	349	79.1	40.4
4	*5720.00	108.9 AV			1.79 H	349	68.5	40.4
5	#5850.00	57.0 PK	74.0	-17.0	1.81 H	352	52.2	4.8
6	#5850.00	46.8 AV	54.0	-7.2	1.81 H	352	42.0	4.8
7	11440.00	60.7 PK	74.0	-13.3	2.22 H	49	42.4	18.3
8	11440.00	47.7 AV	54.0	-6.3	2.22 H	49	29.4	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	56.0 PK	74.0	-18.0	1.98 V	348	52.0	4.0
2	#5470.00	45.6 AV	54.0	-8.4	1.98 V	348	41.6	4.0
3	*5720.00	118.3 PK			1.98 V	348	77.9	40.4
4	*5720.00	107.7 AV			1.98 V	348	67.3	40.4
5	#5850.00	57.0 PK	74.0	-17.0	2.01 V	343	52.2	4.8
6	#5850.00	46.7 AV	54.0	-7.3	2.01 V	343	41.9	4.8
7	11440.00	59.9 PK	74.0	-14.1	1.26 V	355	41.6	18.3
8	11440.00	46.9 AV	54.0	-7.1	1.26 V	355	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.

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	57.4 PK	74.0	-16.6	1.70 H	348	53.8	3.6
2	5150.00	46.1 AV	54.0	-7.9	1.70 H	348	42.5	3.6
3	*5260.00	119.1 PK			1.67 H	351	79.5	39.6
4	*5260.00	108.0 AV			1.67 H	351	68.4	39.6
5	#10520.00	59.8 PK	74.0	-14.2	2.08 H	22	42.8	17.0
6	#10520.00	46.7 AV	54.0	-7.3	2.08 H	22	29.7	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	56.8 PK	74.0	-17.2	1.88 V	349	53.2	3.6
2	5150.00	45.6 AV	54.0	-8.4	1.88 V	349	42.0	3.6
3	*5260.00	117.5 PK			1.96 V	345	77.9	39.6
4	*5260.00	106.6 AV			1.96 V	345	67.0	39.6
5	#10520.00	59.4 PK	74.0	-14.6	1.66 V	298	42.4	17.0
6	#10520.00	46.4 AV	54.0	-7.6	1.66 V	298	29.4	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	118.8 PK			1.68 H	351	79.2	39.6
2	*5300.00	108.0 AV			1.68 H	351	68.4	39.6
3	10600.00	60.0 PK	74.0	-14.0	2.10 H	33	42.9	17.1
4	10600.00	47.1 AV	54.0	-6.9	2.10 H	33	30.0	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	117.0 PK			1.86 V	346	77.4	39.6
2	*5300.00	106.7 AV			1.86 V	346	67.1	39.6
3	10600.00	59.6 PK	74.0	-14.4	1.59 V	287	42.5	17.1
4	10600.00	46.7 AV	54.0	-7.3	1.59 V	287	29.6	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 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	119.2 PK			1.67 H	351	79.5	39.7
2	*5320.00	108.3 AV			1.67 H	351	68.6	39.7
3	5350.00	58.9 PK	74.0	-15.1	1.77 H	349	55.0	3.9
4	5350.00	47.7 AV	54.0	-6.3	1.77 H	349	43.8	3.9
5	10640.00	60.6 PK	74.0	-13.4	2.17 H	34	43.3	17.3
6	10640.00	47.2 AV	54.0	-6.8	2.17 H	34	29.9	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	117.6 PK			1.97 V	347	77.9	39.7
2	*5320.00	107.0 AV			1.97 V	347	67.3	39.7
3	5350.00	57.4 PK	74.0	-16.6	1.66 V	349	53.5	3.9
4	5350.00	45.7 AV	54.0	-8.3	1.66 V	349	41.8	3.9
5	10640.00	60.2 PK	74.0	-13.8	1.57 V	275	42.9	17.3
6	10640.00	46.7 AV	54.0	-7.3	1.57 V	275	29.4	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	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	5460.00	56.0 PK	74.0	-18.0	1.72 H	349	52.0	4.0
2	5460.00	44.9 AV	54.0	-9.1	1.72 H	349	40.9	4.0
3	#5470.00	56.1 PK	74.0	-17.9	1.77 H	350	52.1	4.0
4	#5470.00	45.8 AV	54.0	-8.2	1.77 H	350	41.8	4.0
5	*5500.00	118.9 PK			1.73 H	348	78.9	40.0
6	*5500.00	107.9 AV			1.73 H	348	67.9	40.0
7	11000.00	61.5 PK	74.0	-12.5	2.20 H	28	42.5	19.0
8	11000.00	48.1 AV	54.0	-5.9	2.20 H	28	29.1	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	55.8 PK	74.0	-18.2	1.95 V	359	51.8	4.0
2	5460.00	44.8 AV	54.0	-9.2	1.95 V	359	40.8	4.0
3	#5470.00	56.8 PK	74.0	-17.2	2.01 V	0	52.8	4.0
4	#5470.00	45.7 AV	54.0	-8.3	2.01 V	0	41.7	4.0
5	*5500.00	117.0 PK			1.98 V	342	77.0	40.0
6	*5500.00	106.6 AV			1.98 V	342	66.6	40.0
7	11000.00	61.2 PK	74.0	-12.8	1.75 V	266	42.2	19.0
8	11000.00	48.6 AV	54.0	-5.4	1.75 V	266	29.6	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	119.1 PK			1.75 H	345	79.0	40.1
2	*5580.00	107.8 AV			1.75 H	345	67.7	40.1
3	11160.00	60.8 PK	74.0	-13.2	2.10 H	30	42.1	18.7
4	11160.00	48.1 AV	54.0	-5.9	2.10 H	30	29.4	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	117.9 PK			1.97 V	344	77.8	40.1
2	*5580.00	106.7 AV			1.97 V	344	66.6	40.1
3	11160.00	61.2 PK	74.0	-12.8	1.80 V	265	42.5	18.7
4	11160.00	48.4 AV	54.0	-5.6	1.80 V	265	29.7	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	118.8 PK			1.73 H	348	78.5	40.3
2	*5700.00	107.7 AV			1.73 H	348	67.4	40.3
3	#5725.00	57.0 PK	74.0	-17.0	1.63 H	349	52.5	4.5
4	#5725.00	46.2 AV	54.0	-7.8	1.63 H	349	41.7	4.5
5	11400.00	60.8 PK	74.0	-13.2	2.13 H	38	42.6	18.2
6	11400.00	48.0 AV	54.0	-6.0	2.13 H	38	29.8	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			1.84 V	350	76.8	40.3
2	*5700.00	106.9 AV			1.84 V	350	66.6	40.3
3	#5725.00	56.4 PK	74.0	-17.6	1.88 V	348	51.9	4.5
4	#5725.00	45.3 AV	54.0	-8.7	1.88 V	348	40.8	4.5
5	11400.00	60.9 PK	74.0	-13.1	1.60 V	296	42.7	18.2
6	11400.00	47.5 AV	54.0	-6.5	1.60 V	296	29.3	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	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	#5470.00	54.5 PK	74.0	-19.5	1.60 H	340	50.5	4.0
2	#5470.00	43.9 AV	54.0	-10.1	1.60 H	340	39.9	4.0
3	*5720.00	118.3 PK			1.67 H	347	77.9	40.4
4	*5720.00	107.8 AV			1.67 H	347	67.4	40.4
5	#5850.00	56.3 PK	74.0	-17.7	1.57 H	339	51.5	4.8
6	#5850.00	45.0 AV	54.0	-9.0	1.57 H	339	40.2	4.8
7	11440.00	60.6 PK	74.0	-13.4	2.05 H	36	42.3	18.3
8	11440.00	47.7 AV	54.0	-6.3	2.05 H	36	29.4	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	55.6 PK	74.0	-18.4	1.99 V	347	51.6	4.0
2	#5470.00	44.6 AV	54.0	-9.4	1.99 V	347	40.6	4.0
3	*5720.00	117.9 PK			1.98 V	348	77.5	40.4
4	*5720.00	107.3 AV			1.98 V	348	66.9	40.4
5	#5850.00	56.7 PK	74.0	-17.3	2.03 V	340	51.9	4.8
6	#5850.00	46.7 AV	54.0	-7.3	2.03 V	340	41.9	4.8
7	11440.00	59.6 PK	74.0	-14.4	1.27 V	354	41.3	18.3
8	11440.00	46.6 AV	54.0	-7.4	1.27 V	354	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.

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	57.4 PK	74.0	-16.6	1.81 H	348	53.8	3.6
2	5150.00	45.7 AV	54.0	-8.3	1.81 H	348	42.1	3.6
3	*5270.00	115.5 PK			1.71 H	351	75.9	39.6
4	*5270.00	105.3 AV			1.71 H	351	65.7	39.6
5	#10540.00	58.8 PK	74.0	-15.2	2.20 H	51	41.7	17.1
6	#10540.00	45.8 AV	54.0	-8.2	2.20 H	51	28.7	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	55.4 PK	74.0	-18.6	1.80 V	348	51.8	3.6
2	5150.00	44.5 AV	54.0	-9.5	1.80 V	348	40.9	3.6
3	*5270.00	115.0 PK			1.81 V	348	75.4	39.6
4	*5270.00	104.8 AV			1.81 V	348	65.2	39.6
5	#10540.00	58.5 PK	74.0	-15.5	1.50 V	284	41.4	17.1
6	#10540.00	45.5 AV	54.0	-8.5	1.50 V	284	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	115.3 PK			1.69 H	349	75.7	39.6
2	*5310.00	105.5 AV			1.69 H	349	65.9	39.6
3	5350.00	64.0 PK	74.0	-10.0	1.80 H	352	60.1	3.9
4	5350.00	51.4 AV	54.0	-2.6	1.80 H	352	47.5	3.9
5	10620.00	58.7 PK	74.0	-15.3	2.19 H	49	41.4	17.3
6	10620.00	45.7 AV	54.0	-8.3	2.19 H	49	28.4	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	114.9 PK			1.92 V	347	75.3	39.6
2	*5310.00	104.8 AV			1.92 V	347	65.2	39.6
3	5350.00	61.0 PK	74.0	-13.0	1.55 V	346	57.1	3.9
4	5350.00	48.5 AV	54.0	-5.5	1.55 V	346	44.6	3.9
5	10620.00	58.5 PK	74.0	-15.5	1.52 V	277	41.2	17.3
6	10620.00	45.3 AV	54.0	-8.7	1.52 V	277	28.0	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	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	5460.00	65.1 PK	74.0	-8.9	1.66 H	355	61.1	4.0
2	5460.00	50.7 AV	54.0	-3.3	1.66 H	355	46.7	4.0
3	#5470.00	63.8 PK	74.0	-10.2	1.67 H	354	59.8	4.0
4	#5470.00	49.6 AV	54.0	-4.4	1.67 H	354	45.6	4.0
5	*5510.00	114.2 PK			1.72 H	352	74.2	40.0
6	*5510.00	104.3 AV			1.72 H	352	64.3	40.0
7	11020.00	60.5 PK	74.0	-13.5	2.09 H	23	41.6	18.9
8	11020.00	47.7 AV	54.0	-6.3	2.09 H	23	28.8	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	61.5 PK	74.0	-12.5	2.10 V	346	57.5	4.0
2	5460.00	45.7 AV	54.0	-8.3	2.10 V	346	41.7	4.0
3	#5470.00	61.5 PK	74.0	-12.5	2.12 V	348	57.5	4.0
4	#5470.00	47.9 AV	54.0	-6.1	2.12 V	348	43.9	4.0
5	*5510.00	115.3 PK			1.85 V	348	75.3	40.0
6	*5510.00	105.3 AV			1.85 V	348	65.3	40.0
7	11020.00	60.4 PK	74.0	-13.6	1.80 V	255	41.5	18.9
8	11020.00	47.2 AV	54.0	-6.8	1.80 V	255	28.3	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	114.3 PK			1.64 H	352	74.3	40.0
2	*5550.00	104.3 AV			1.64 H	352	64.3	40.0
3	11000.00	60.7 PK	74.0	-13.3	2.26 H	19	41.7	19.0
4	11000.00	47.5 AV	54.0	-6.5	2.26 H	19	28.5	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	*5550.00	115.6 PK			1.92 V	346	75.6	40.0
2	*5550.00	105.4 AV			1.92 V	346	65.4	40.0
3	11100.00	59.9 PK	74.0	-14.1	1.62 V	287	41.4	18.5
4	11100.00	46.8 AV	54.0	-7.2	1.62 V	287	28.3	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	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	*5670.00	115.0 PK			1.65 H	352	74.7	40.3
2	*5670.00	104.9 AV			1.65 H	352	64.6	40.3
3	#5725.00	60.0 PK	74.0	-14.0	1.70 H	350	55.5	4.5
4	#5725.00	46.9 AV	54.0	-7.1	1.70 H	350	42.4	4.5
5	11340.00	60.3 PK	74.0	-13.7	2.29 H	31	41.9	18.4
6	11340.00	47.6 AV	54.0	-6.4	2.29 H	31	29.2	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	115.8 PK			1.92 V	347	75.5	40.3
2	*5670.00	105.8 AV			1.92 V	347	65.5	40.3
3	#5725.00	58.9 PK	74.0	-15.1	1.94 V	347	54.4	4.5
4	#5725.00	47.0 AV	54.0	-7.0	1.94 V	347	42.5	4.5
5	11340.00	60.0 PK	74.0	-14.0	1.66 V	285	41.6	18.4
6	11340.00	47.0 AV	54.0	-7.0	1.66 V	285	28.6	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	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	#5470.00	55.8 PK	74.0	-18.2	1.54 H	338	51.8	4.0
2	#5470.00	44.8 AV	54.0	-9.2	1.54 H	338	40.8	4.0
3	*5710.00	115.1 PK			1.69 H	349	74.7	40.4
4	*5710.00	105.4 AV			1.69 H	349	65.0	40.4
5	#5850.00	56.6 PK	74.0	-17.4	1.50 H	330	51.8	4.8
6	#5850.00	45.8 AV	54.0	-8.2	1.50 H	330	41.0	4.8
7	11420.00	59.5 PK	74.0	-14.5	2.09 H	21	41.3	18.2
8	11420.00	46.7 AV	54.0	-7.3	2.09 H	21	28.5	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	#5470.00	54.6 PK	74.0	-19.4	1.96 V	350	50.6	4.0
2	#5470.00	43.6 AV	54.0	-10.4	1.96 V	350	39.6	4.0
3	*5710.00	114.9 PK			1.76 V	349	74.5	40.4
4	*5710.00	105.2 AV			1.76 V	349	64.8	40.4
5	#5850.00	55.4 PK	74.0	-18.6	1.77 V	340	50.6	4.8
6	#5850.00	44.3 AV	54.0	-9.7	1.77 V	340	39.5	4.8
7	11420.00	59.3 PK	74.0	-14.7	1.30 V	356	41.1	18.2
8	11420.00	46.4 AV	54.0	-7.6	1.30 V	356	28.2	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.

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	5150.00	55.7 PK	74.0	-18.3	1.66 H	345	52.1	3.6
2	5150.00	44.6 AV	54.0	-9.4	1.66 H	345	41.0	3.6
3	*5290.00	111.4 PK			1.76 H	349	71.8	39.6
4	*5290.00	101.2 AV			1.76 H	349	61.6	39.6
5	5350.00	69.7 PK	74.0	-4.3	1.72 H	348	65.8	3.9
6	5350.00	51.9 AV	54.0	-2.1	1.72 H	348	48.0	3.9
7	#10580.00	58.4 PK	74.0	-15.6	2.01 H	29	41.2	17.2
8	#10580.00	45.4 AV	54.0	-8.6	2.01 H	29	28.2	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	5150.00	55.5 PK	74.0	-18.5	1.70 V	346	51.9	3.6
2	5150.00	43.6 AV	54.0	-10.4	1.70 V	346	40.0	3.6
3	*5290.00	111.3 PK			1.91 V	348	71.7	39.6
4	*5290.00	100.9 AV			1.91 V	348	61.3	39.6
5	5350.00	69.2 PK	74.0	-4.8	1.85 V	349	65.3	3.9
6	5350.00	50.4 AV	54.0	-3.6	1.85 V	349	46.5	3.9
7	#10580.00	58.2 PK	74.0	-15.8	1.90 V	298	41.0	17.2
8	#10580.00	45.1 AV	54.0	-8.9	1.90 V	298	27.9	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	68.5 PK	74.0	-5.5	1.71 H	349	64.5	4.0
2	5460.00	52.4 AV	54.0	-1.6	1.71 H	349	48.4	4.0
3	#5470.00	70.5 PK	74.0	-3.5	1.63 H	352	66.5	4.0
4	#5470.00	52.0 AV	54.0	-2.0	1.63 H	352	48.0	4.0
5	*5530.00	111.6 PK			1.67 H	352	71.6	40.0
6	*5530.00	100.7 AV			1.67 H	352	60.7	40.0
7	#5725.00	56.5 PK	74.0	-17.5	1.65 H	351	52.0	4.5
8	#5725.00	45.3 AV	54.0	-8.7	1.65 H	351	40.8	4.5
9	11060.00	59.6 PK	74.0	-14.4	2.27 H	24	41.0	18.6
10	11060.00	47.0 AV	54.0	-7.0	2.27 H	24	28.4	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	69.3 PK	74.0	-4.7	1.93 V	347	65.3	4.0
2	5460.00	52.4 AV	54.0	-1.6	1.93 V	347	48.4	4.0
3	#5470.00	60.0 PK	74.0	-14.0	1.96 V	347	56.0	4.0
4	#5470.00	48.6 AV	54.0	-5.4	1.96 V	347	44.6	4.0
5	*5530.00	111.5 PK			1.91 V	345	71.5	40.0
6	*5530.00	101.6 AV			1.91 V	345	61.6	40.0
7	#5725.00	56.6 PK	74.0	-17.4	1.90 V	344	52.1	4.5
8	#5725.00	44.6 AV	54.0	-9.4	1.90 V	344	40.1	4.5
9	11060.00	59.9 PK	74.0	-14.1	1.53 V	273	41.3	18.6
10	11060.00	46.6 AV	54.0	-7.4	1.53 V	273	28.0	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	57.0 PK	74.0	-17.0	1.59 H	340	53.0	4.0
2	5460.00	46.5 AV	54.0	-7.5	1.59 H	340	42.5	4.0
3	#5470.00	57.9 PK	74.0	-16.1	1.90 H	355	53.9	4.0
4	#5470.00	44.4 AV	54.0	-9.6	1.90 H	355	40.4	4.0
5	*5610.00	111.5 PK			1.77 H	348	71.3	40.2
6	*5610.00	101.6 AV			1.77 H	348	61.4	40.2
7	#5725.00	60.2 PK	74.0	-13.8	1.89 H	353	55.7	4.5
8	#5725.00	47.0 AV	54.0	-7.0	1.89 H	353	42.5	4.5
9	11220.00	60.2 PK	74.0	-13.8	2.19 H	46	41.3	18.9
10	11220.00	47.3 AV	54.0	-6.7	2.19 H	46	28.4	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	55.3 PK	74.0	-18.7	1.70 V	352	51.3	4.0
2	5460.00	44.6 AV	54.0	-9.4	1.70 V	352	40.6	4.0
3	#5470.00	59.3 PK	74.0	-14.7	1.70 V	335	55.3	4.0
4	#5470.00	48.4 AV	54.0	-5.6	1.70 V	335	44.4	4.0
5	*5610.00	110.6 PK			1.60 V	351	70.4	40.2
6	*5610.00	100.4 AV			1.60 V	351	60.2	40.2
7	#5725.00	58.4 PK	74.0	-15.6	1.66 V	350	53.9	4.5
8	#5725.00	47.4 AV	54.0	-6.6	1.66 V	350	42.9	4.5
9	11220.00	59.2 PK	74.0	-14.8	1.22 V	360	40.3	18.9
10	11220.00	46.8 AV	54.0	-7.2	1.22 V	360	27.9	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	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	#5470.00	54.1 PK	74.0	-19.9	1.59 H	341	50.1	4.0
2	#5470.00	43.3 AV	54.0	-10.7	1.59 H	341	39.3	4.0
3	*5690.00	111.7 PK			1.72 H	348	71.4	40.3
4	*5690.00	101.5 AV			1.72 H	348	61.2	40.3
5	#5850.00	57.5 PK	74.0	-16.5	1.77 H	335	52.7	4.8
6	#5850.00	46.4 AV	54.0	-7.6	1.77 H	335	41.6	4.8
7	11380.00	59.7 PK	74.0	-14.3	2.25 H	36	41.4	18.3
8	11380.00	46.3 AV	54.0	-7.7	2.25 H	36	28.0	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	55.3 PK	74.0	-18.7	1.82 V	345	51.3	4.0
2	#5470.00	45.1 AV	54.0	-8.9	1.82 V	345	41.1	4.0
3	*5690.00	111.2 PK			1.81 V	348	70.9	40.3
4	*5690.00	101.3 AV			1.81 V	348	61.0	40.3
5	#5850.00	56.8 PK	74.0	-17.2	1.59 V	356	52.0	4.8
6	#5850.00	47.3 AV	54.0	-6.7	1.59 V	356	42.5	4.8
7	11380.00	59.1 PK	74.0	-14.9	1.32 V	359	40.8	18.3
8	11380.00	45.9 AV	54.0	-8.1	1.32 V	359	27.6	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.

Below 1GHz Worst-Case Data: 802.11a

Mode A1

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	84.34	36.1 QP	40.0	-3.9	1.50 H	279	55.5	-19.4
2	142.67	33.0 QP	43.5	-10.5	1.00 H	114	47.2	-14.2
3	189.33	38.2 QP	43.5	-5.3	1.00 H	14	54.4	-16.2
4	216.55	34.2 QP	46.0	-11.8	1.00 H	271	50.3	-16.1
5	743.45	34.8 QP	46.0	-11.2	1.00 H	14	39.8	-5.0
6	875.67	35.3 QP	46.0	-10.7	1.50 H	53	38.8	-3.5
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	30.90	35.1 QP	40.0	-4.9	2.00 V	129	51.5	-16.4
2	61.01	38.0 QP	40.0	-2.0	1.51 V	9	53.0	-15.0
3	78.51	37.0 QP	40.0	-3.0	2.00 V	123	55.2	-18.2
4	142.67	32.2 QP	43.5	-11.3	1.51 V	9	46.4	-14.2
5	191.28	37.0 QP	43.5	-6.5	2.00 V	9	53.4	-16.4
6	743.45	39.0 QP	46.0	-7.0	1.00 V	3	44.0	-5.0

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 A2

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	61.01	35.5 QP	40.0	-4.5	1.50 H	220	50.5	-15.0
2	76.56	38.9 QP	40.0	-1.1	1.50 H	173	56.5	-17.6
3	117.39	33.3 QP	43.5	-10.2	1.50 H	268	49.7	-16.4
4	185.44	37.7 QP	43.5	-5.8	1.50 H	238	53.6	-15.9
5	729.84	42.2 QP	46.0	-3.8	1.01 H	54	47.6	-5.4
6	932.05	40.7 QP	46.0	-5.3	1.01 H	34	43.1	-2.4
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	39.62	37.8 QP	40.0	-2.2	1.00 V	279	53.1	-15.3
2	61.01	38.2 QP	40.0	-1.8	1.00 V	332	53.2	-15.0
3	96.01	31.6 QP	43.5	-11.9	1.00 V	85	50.6	-19.0
4	193.22	35.7 QP	43.5	-7.8	1.00 V	83	52.2	-16.5
5	875.67	32.2 QP	46.0	-13.8	1.49 V	1	35.7	-3.5
6	932.05	40.4 QP	46.0	-5.6	1.00 V	291	42.8	-2.4

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 B1

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	80.45	37.1 QP	40.0	-2.9	2.00 H	111	55.7	-18.6
2	138.78	35.1 QP	43.5	-8.4	2.00 H	83	49.6	-14.5
3	187.39	36.2 QP	43.5	-7.3	1.51 H	30	52.3	-16.1
4	216.55	34.1 QP	46.0	-11.9	1.00 H	260	50.2	-16.1
5	500.42	31.3 QP	46.0	-14.7	1.00 H	16	40.8	-9.5
6	731.79	42.2 QP	46.0	-3.8	2.00 H	257	47.4	-5.2
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	30.90	37.8 QP	40.0	-2.2	1.49 V	11	54.2	-16.4
2	47.40	37.0 QP	40.0	-3.0	1.30 V	254	51.5	-14.5
3	72.67	34.9 QP	40.0	-5.1	1.30 V	4	51.7	-16.8
4	142.67	39.5 QP	43.5	-4.0	1.00 V	213	53.7	-14.2
5	193.22	28.7 QP	43.5	-14.8	1.00 V	36	45.2	-16.5
6	745.40	33.5 QP	46.0	-12.5	1.30 V	77	38.4	-4.9

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

Mode B2

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	61.01	35.3 QP	40.0	-4.7	1.50 H	162	50.3	-15.0
2	76.56	38.3 QP	40.0	-1.7	2.00 H	174	55.9	-17.6
3	90.17	37.5 QP	43.5	-6.0	2.00 H	259	57.1	-19.6
4	119.34	34.4 QP	43.5	-9.1	1.50 H	275	50.6	-16.2
5	185.44	36.9 QP	43.5	-6.6	1.50 H	236	52.8	-15.9
6	932.05	40.6 QP	46.0	-5.4	2.00 H	216	43.0	-2.4
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	37.68	37.9 QP	40.0	-2.1	1.00 V	325	53.4	-15.5
2	61.01	38.4 QP	40.0	-1.6	1.00 V	18	53.4	-15.0
3	97.95	31.2 QP	43.5	-12.3	1.50 V	126	50.0	-18.8
4	197.11	35.0 QP	43.5	-8.5	1.00 V	297	51.6	-16.6
5	875.67	32.2 QP	46.0	-13.8	1.00 V	7	35.7	-3.5
6	933.99	41.7 QP	46.0	-4.3	1.50 V	9	44.1	-2.4

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

FCC PART 15.207:

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-cond1-01	Sep. 05, 2017	Sep. 04, 2018
LISN ROHDE & SCHWARZ (EUT)	ESH3-Z5	835239/001	Mar. 10, 2017	Mar. 09, 2018
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100311	Aug. 15, 2017	Aug. 14, 2018
Software ADT	BV ADT_Conc_ 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 1.

3. The VCCI Site Registration No. is C-2040.

4.2.3 Test Procedures

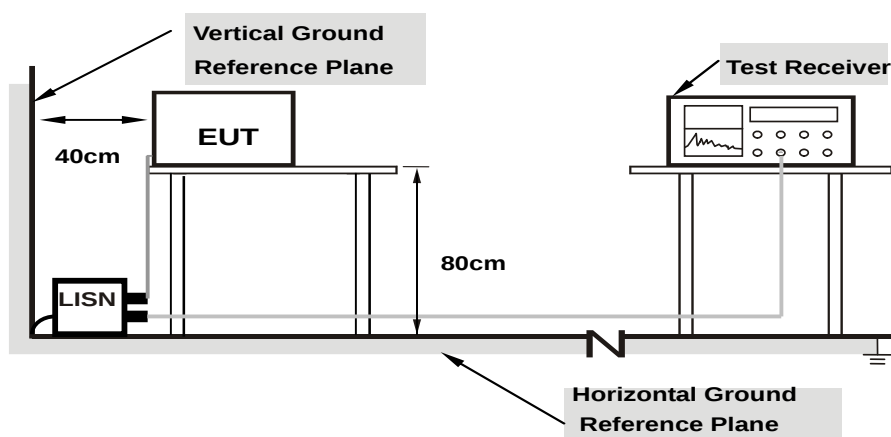
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance 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

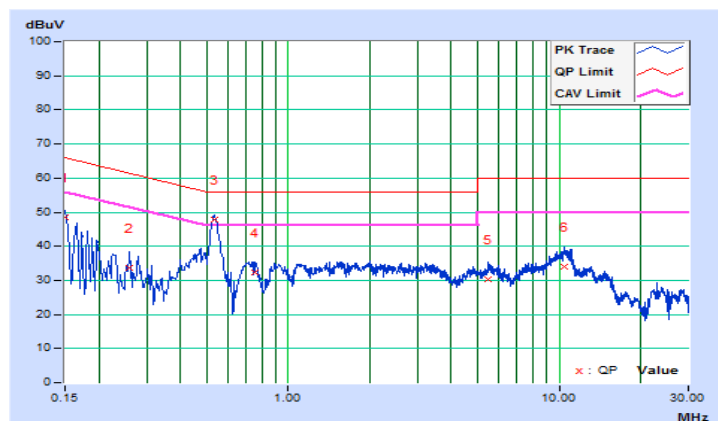
Mode A1

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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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	10.39	38.00	20.77	48.39	31.16	66.00	56.00	-17.61	-24.84
2	0.25948	10.40	23.42	15.33	33.82	25.73	61.45	51.45	-27.63	-25.72
3	0.53240	10.41	37.44	32.49	47.85	42.90	56.00	46.00	-8.15	-3.10
4	0.75188	10.42	21.81	16.73	32.23	27.15	56.00	46.00	-23.77	-18.85
5	5.49888	10.63	19.70	13.68	30.33	24.31	60.00	50.00	-29.67	-25.69
6	10.47240	10.88	23.10	18.13	33.98	29.01	60.00	50.00	-26.02	-20.99

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.

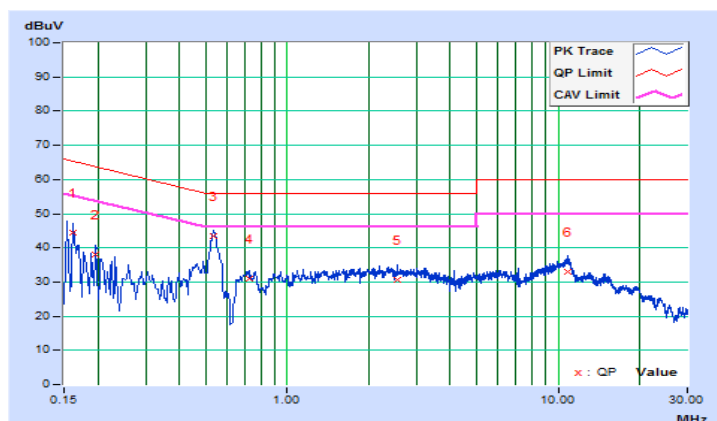


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16173	10.16	34.40	17.90	44.56	28.06	65.37	55.37	-20.81	-27.31
2	0.19692	10.16	27.76	12.37	37.92	22.53	63.74	53.74	-25.82	-31.21
3	0.53318	10.17	33.32	28.29	43.49	38.46	56.00	46.00	-12.51	-7.54
4	0.72084	10.18	20.73	16.36	30.91	26.54	56.00	46.00	-25.09	-19.46
5	2.56247	10.26	20.51	15.76	30.77	26.02	56.00	46.00	-25.23	-19.98
6	10.85949	10.61	22.49	17.77	33.10	28.38	60.00	50.00	-26.90	-21.62

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.



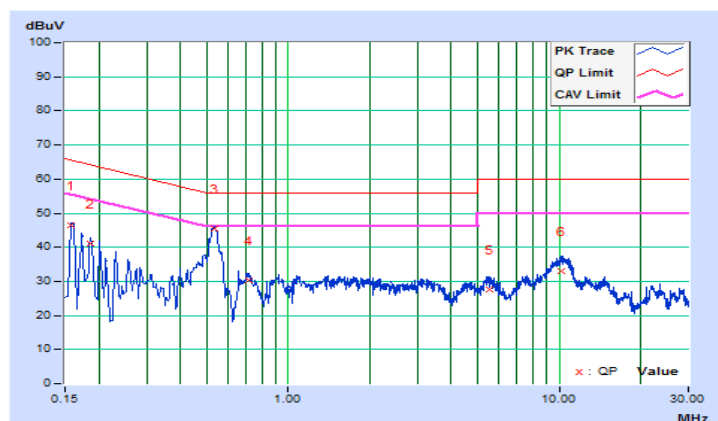
Mode A2

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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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	0.15802	10.39	35.92	19.87	46.31	30.26	65.57	55.57	-19.26	-25.31
2	0.18557	10.39	30.72	15.64	41.11	26.03	64.23	54.23	-23.12	-28.20
3	0.53240	10.41	35.07	30.07	45.48	40.48	56.00	46.00	-10.52	-5.52
4	0.71705	10.41	19.91	15.45	30.32	25.86	56.00	46.00	-25.68	-20.14
5	5.51843	10.63	16.92	10.49	27.55	21.12	60.00	50.00	-32.45	-28.88
6	10.20261	10.87	22.03	16.80	32.90	27.67	60.00	50.00	-27.10	-22.33

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.

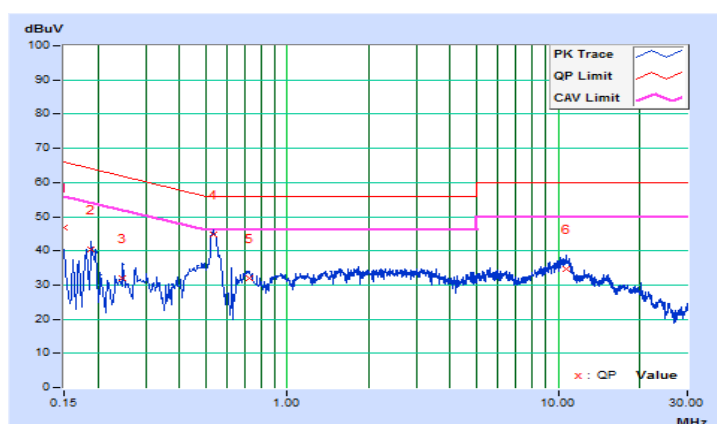


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.15	36.69	19.23	46.84	29.38	66.00	56.00	-19.16	-26.62
2	0.18903	10.16	30.29	14.65	40.45	24.81	64.08	54.08	-23.63	-29.27
3	0.24775	10.16	21.71	11.93	31.87	22.09	61.83	51.83	-29.96	-29.74
4	0.53381	10.17	34.58	29.50	44.75	39.67	56.00	46.00	-11.25	-6.33
5	0.72084	10.18	21.93	17.55	32.11	27.73	56.00	46.00	-23.89	-18.27
6	10.72655	10.61	24.13	19.45	34.74	30.06	60.00	50.00	-25.26	-19.94

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.



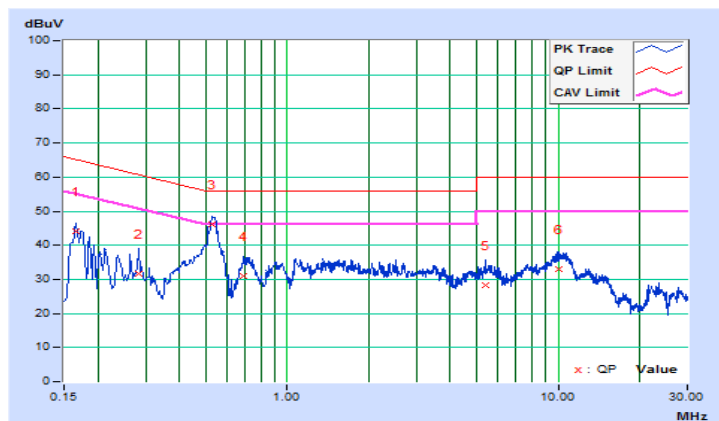
Mode B1

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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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	0.16564	10.39	33.87	16.76	44.26	27.15	65.18	55.18	-20.92	-28.03
2	0.28288	10.40	21.24	15.00	31.64	25.40	60.73	50.73	-29.09	-25.33
3	0.52821	10.41	35.67	31.07	46.08	41.48	56.00	46.00	-9.92	-4.52
4	0.68926	10.41	20.59	15.89	31.00	26.30	56.00	46.00	-25.00	-19.70
5	5.40113	10.63	17.69	11.43	28.32	22.06	60.00	50.00	-31.68	-27.94
6	10.04979	10.86	22.01	17.04	32.87	27.90	60.00	50.00	-27.13	-22.10

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.

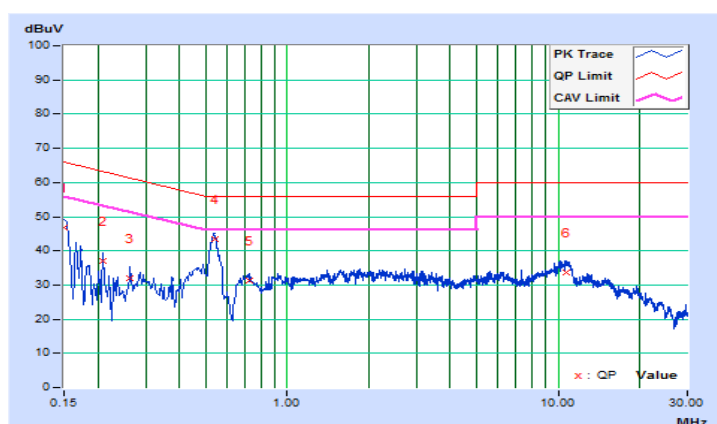


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.15	36.80	19.07	46.95	29.22	66.00	56.00	-19.05	-26.78
2	0.20865	10.16	26.72	12.80	36.88	22.96	63.26	53.26	-26.38	-30.30
3	0.26346	10.16	21.71	13.87	31.87	24.03	61.32	51.32	-29.45	-27.29
4	0.53804	10.17	33.41	28.37	43.58	38.54	56.00	46.00	-12.42	-7.46
5	0.72084	10.18	21.27	16.90	31.45	27.08	56.00	46.00	-24.55	-18.92
6	10.74219	10.61	23.04	18.37	33.65	28.98	60.00	50.00	-26.35	-21.02

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.



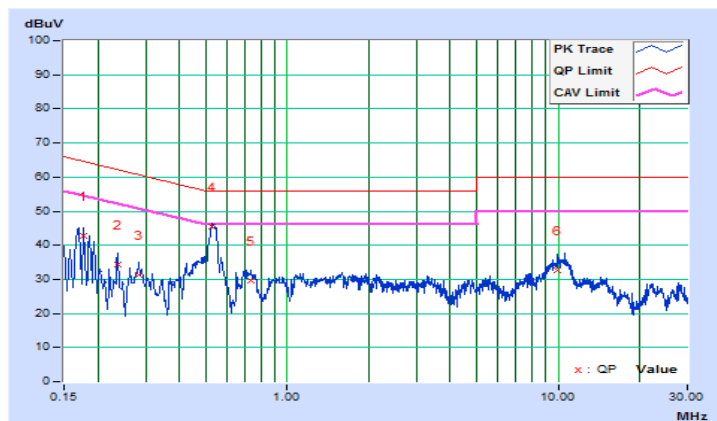
Mode B2

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
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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	10.39	32.53	16.55	42.92	26.94	64.61	54.61	-21.69	-27.67
2	0.23602	10.40	23.96	12.77	34.36	23.17	62.24	52.24	-27.88	-29.07
3	0.28288	10.40	20.82	14.61	31.22	25.01	60.73	50.73	-29.51	-25.72
4	0.52960	10.41	34.98	30.39	45.39	40.80	56.00	46.00	-10.61	-5.20
5	0.73619	10.41	19.35	14.98	29.76	25.39	56.00	46.00	-26.24	-20.61
6	9.93673	10.86	21.68	16.69	32.54	27.55	60.00	50.00	-27.46	-22.45

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.

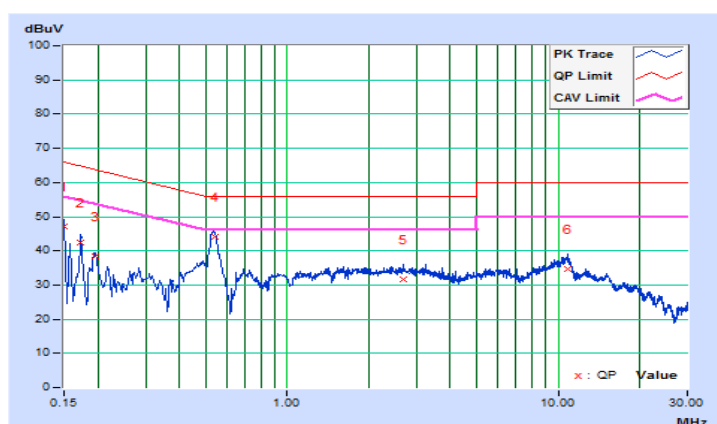


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15000	10.15	36.91	19.43	47.06	29.58	66.00	56.00	-18.94	-26.42
2	0.17346	10.16	32.10	16.07	42.26	26.23	64.79	54.79	-22.53	-28.56
3	0.19692	10.16	28.29	13.20	38.45	23.36	63.74	53.74	-25.29	-30.38
4	0.53946	10.17	33.77	28.83	43.94	39.00	56.00	46.00	-12.06	-7.00
5	2.69541	10.27	21.36	16.64	31.63	26.91	56.00	46.00	-24.37	-19.09
6	10.84781	10.61	24.06	19.42	34.67	30.03	60.00	50.00	-25.33	-19.97

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} ;

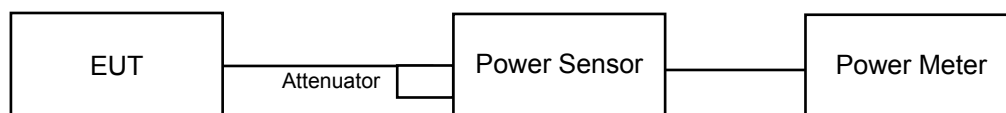
Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

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

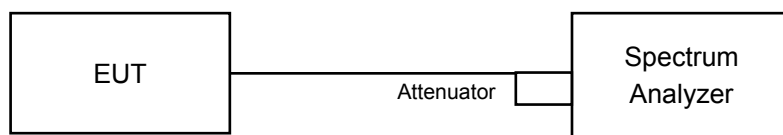
4.3.2 Test Setup

For Power Output

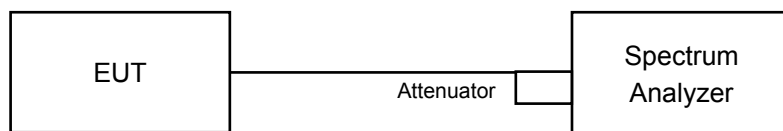
802.11a, 802.11n (HT20), 802.11n (HT40)



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 A1

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	Chain 2	Chain 3				
52	5260	11.53	10.93	11.29	10.77	52.010	17.16	21.71	Pass
60	5300	11.05	11.02	11.61	10.31	50.610	17.04	21.71	Pass
64	5320	11.08	11.09	11.73	10.35	51.409	17.11	21.71	Pass
100	5500	11.03	11.19	11.15	11.23	52.135	17.17	21.71	Pass
116	5580	11.37	11.45	11.15	11.18	53.827	17.31	21.71	Pass
140	5700	10.95	11.15	10.75	10.35	48.201	16.83	21.71	Pass
144	5720 For U-NII-2C	9.55	9.80	9.56	8.77	35.136	15.46	21.71	Pass
144	5720 For U-NII-3	4.54	4.87	4.67	4.00	11.356	10.55	29	Pass

Note:

1. 5260~5320MHz, 5500~5720MHz Gain = 7 > 6dBi, so the limit shall be reduced to 22.71-(7-6) = 21.71dBm.
2. 5745~5825MHz Gain = 7 > 6dBi, so the limit shall be reduced to 30-(7-6) = 29dBm.

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

Chain 0

1.	11dBm + 10log	(19.99)	=	24.01	dBm	>	24	dBm
2.	11dBm + 10log	(20.13)	=	24.04	dBm	>	24	dBm
3.	11dBm + 10log	(20.10)	=	24.03	dBm	>	24	dBm
4.	11dBm + 10log	(20.03)	=	24.02	dBm	>	24	dBm
5.	11dBm + 10log	(20.27)	=	24.07	dBm	>	24	dBm
6.	11dBm + 10log	(19.95)	=	24.00	dBm	>	24	dBm
7.	11dBm + 10log	(5725.00 - 5709.87)	=	22.80	dBm	<	24	dBm

Chain 1

1.	11dBm + 10log	(19.89)	=	23.99	dBm	<	24	dBm
2.	11dBm + 10log	(19.87)	=	23.98	dBm	<	24	dBm
3.	11dBm + 10log	(19.89)	=	23.99	dBm	<	24	dBm
4.	11dBm + 10log	(19.70)	=	23.94	dBm	<	24	dBm
5.	11dBm + 10log	(19.87)	=	23.98	dBm	<	24	dBm
6.	11dBm + 10log	(19.54)	=	23.91	dBm	<	24	dBm
7.	11dBm + 10log	(5725.00 - 5710.02)	=	22.76	dBm	<	24	dBm

Chain 2

1.	11dBm + 10log	(20.21)	=	24.06	dBm	>	24	dBm
2.	11dBm + 10log	(20.31)	=	24.08	dBm	>	24	dBm
3.	11dBm + 10log	(19.92)	=	23.99	dBm	<	24	dBm
4.	11dBm + 10log	(20.19)	=	24.05	dBm	>	24	dBm
5.	11dBm + 10log	(20.14)	=	24.04	dBm	>	24	dBm
6.	11dBm + 10log	(20.09)	=	24.03	dBm	>	24	dBm
7.	11dBm + 10log	(5725.00 - 5709.90)	=	22.79	dBm	<	24	dBm

Chain 3

1.	11dBm + 10log	(19.61)	=	23.92	dBm	<	24	dBm
2.	11dBm + 10log	(19.67)	=	23.94	dBm	<	24	dBm
3.	11dBm + 10log	(19.97)	=	24.00	dBm	=	24	dBm
4.	11dBm + 10log	(19.59)	=	23.92	dBm	<	24	dBm
5.	11dBm + 10log	(19.58)	=	23.92	dBm	<	24	dBm
6.	11dBm + 10log	(20.07)	=	24.03	dBm	>	24	dBm
7.	11dBm + 10log	(5725.00 - 5710.17)	=	22.71	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	Chain 2	Chain 3				
52	5260	11.32	11.05	11.43	11.15	53.219	17.26	21.84	Pass
60	5300	11.45	10.99	11.65	10.55	52.496	17.20	21.84	Pass
64	5320	11.69	11.58	12.11	10.94	57.817	17.62	21.84	Pass
100	5500	11.25	11.35	11.28	11.45	54.373	17.35	21.84	Pass
116	5580	11.65	11.47	11.35	11.22	55.539	17.45	21.84	Pass
140	5700	11.31	11.23	11.02	10.35	50.281	17.01	21.84	Pass
144	5720 For U-NII-2C	9.82	10.17	9.80	9.12	37.709	15.76	21.84	Pass
144	5720 For U-NII-3	5.24	5.51	5.16	4.60	13.063	11.16	29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 7 > 6dBi, so the limit shall be reduced to 22.84-(7-6) = 21.84dBm.
- 5745~5825MHz Gain = 7 > 6dBi, so the limit shall be reduced to 30-(7-6) = 29dBm.

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

Chain 0

1. 11dBm + 10log (20.72) = 24.16 dBm > 24 dBm
2. 11dBm + 10log (20.85) = 24.19 dBm > 24 dBm
3. 11dBm + 10log (20.98) = 24.22 dBm > 24 dBm
4. 11dBm + 10log (20.83) = 24.19 dBm > 24 dBm
5. 11dBm + 10log (20.69) = 24.16 dBm > 24 dBm
6. 11dBm + 10log (20.68) = 24.16 dBm > 24 dBm
7. 11dBm + 10log (5725.00 - 5709.54) = 22.89 dBm < 24 dBm

Chain 1

1. 11dBm + 10log (20.79) = 24.18 dBm > 24 dBm
2. 11dBm + 10log (20.74) = 24.17 dBm > 24 dBm
3. 11dBm + 10log (20.82) = 24.18 dBm > 24 dBm
4. 11dBm + 10log (20.62) = 24.14 dBm > 24 dBm
5. 11dBm + 10log (20.95) = 24.21 dBm > 24 dBm
6. 11dBm + 10log (20.84) = 24.19 dBm > 24 dBm
7. 11dBm + 10log (5725.00 - 5709.57) = 22.88 dBm < 24 dBm

Chain 2

1. 11dBm + 10log (20.69) = 24.16 dBm > 24 dBm
2. 11dBm + 10log (20.53) = 24.12 dBm > 24 dBm
3. 11dBm + 10log (21.01) = 24.22 dBm > 24 dBm
4. 11dBm + 10log (21.15) = 24.25 dBm > 24 dBm
5. 11dBm + 10log (20.72) = 24.16 dBm > 24 dBm
6. 11dBm + 10log (20.67) = 24.15 dBm > 24 dBm
7. 11dBm + 10log (5725.00 - 5709.74) = 22.84 dBm < 24 dBm

Chain 3

1. 11dBm + 10log (20.43) = 24.10 dBm > 24 dBm
2. 11dBm + 10log (20.51) = 24.12 dBm > 24 dBm
3. 11dBm + 10log (20.60) = 24.14 dBm > 24 dBm
4. 11dBm + 10log (20.59) = 24.14 dBm > 24 dBm
5. 11dBm + 10log (20.64) = 24.15 dBm > 24 dBm
6. 11dBm + 10log (20.89) = 24.20 dBm > 24 dBm
7. 11dBm + 10log (5725.00 - 5709.65) = 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	Chain 2	Chain 3				
54	5270	13.66	13.31	13.90	13.26	90.387	19.56	23	Pass
62	5310	12.95	12.31	13.11	12.31	74.232	18.71	23	Pass
102	5510	13.69	13.79	13.55	13.66	93.194	19.69	23	Pass
110	5550	13.75	13.78	13.81	13.64	94.757	19.77	23	Pass
134	5670	13.91	13.55	13.77	13.07	91.350	19.61	23	Pass
142	5710 For U-NII-2C	13.31	13.41	13.05	12.66	81.991	19.14	23	Pass
142	5710 For U-NII-3	5.10	5.11	4.73	4.40	12.205	10.87	29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 7 > 6dBi, so the limit shall be reduced to 24-(7-6) = 23dBm.
- 5745~5825MHz Gain = 7 > 6dBi, so the limit shall be reduced to 30-(7-6) = 29dBm.

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

Chain 0

- 11dBm + 10log (41.05) = 27.13 dBm > 24 dBm
- 11dBm + 10log (40.99) = 27.13 dBm > 24 dBm
- 11dBm + 10log (40.86) = 27.11 dBm > 24 dBm
- 11dBm + 10log (40.77) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.69) = 27.09 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.53) = 26.50 dBm > 24 dBm

Chain 1

- 11dBm + 10log (40.85) = 27.11 dBm > 24 dBm
- 11dBm + 10log (40.80) = 27.11 dBm > 24 dBm
- 11dBm + 10log (40.49) = 27.07 dBm > 24 dBm
- 11dBm + 10log (40.67) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.81) = 27.11 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.66) = 26.48 dBm > 24 dBm

Chain 2

- 11dBm + 10log (40.49) = 27.07 dBm > 24 dBm
- 11dBm + 10log (40.45) = 27.07 dBm > 24 dBm
- 11dBm + 10log (40.38) = 27.06 dBm > 24 dBm
- 11dBm + 10log (40.45) = 27.07 dBm > 24 dBm
- 11dBm + 10log (40.59) = 27.08 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.62) = 26.49 dBm > 24 dBm

Chain 3

- 11dBm + 10log (40.79) = 27.11 dBm > 24 dBm
- 11dBm + 10log (40.59) = 27.08 dBm > 24 dBm
- 11dBm + 10log (40.46) = 27.07 dBm > 24 dBm
- 11dBm + 10log (40.34) = 27.06 dBm > 24 dBm
- 11dBm + 10log (40.48) = 27.07 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.79) = 26.47 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	Chain 2	Chain 3				
58	5290	10.12	10.04	10.73	10.02	42.249	16.26	23	Pass
106	5530	9.44	9.59	8.04	8.74	31.739	15.02	23	Pass
122	5610	15.77	15.25	15.13	15.17	136.723	21.36	23	Pass
138	5690 For U-NII-2C	13.61	13.32	13.47	12.87	86.036	19.35	23	Pass
138	5690 For U-NII-3	3.76	3.03	3.30	2.67	8.373	9.23	29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 7 > 6dBi, so the limit shall be reduced to 24-(7-6) = 23dBm.
- 5745~5825MHz Gain = 7 > 6dBi, so the limit shall be reduced to 30-(7-6) = 29dBm.

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

Chain 0

- 11dBm + 10log (85.82) = 30.34 dBm > 24 dBm
- 11dBm + 10log (86.29) = 30.36 dBm > 24 dBm
- 11dBm + 10log (85.69) = 30.33 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5647.53) = 29.89 dBm > 24 dBm

Chain 1

- 11dBm + 10log (85.25) = 30.31 dBm > 24 dBm
- 11dBm + 10log (85.80) = 30.33 dBm > 24 dBm
- 11dBm + 10log (85.78) = 30.33 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5647.23) = 29.91 dBm > 24 dBm

Chain 1

- 11dBm + 10log (84.89) = 30.29 dBm > 24 dBm
- 11dBm + 10log (85.43) = 30.32 dBm > 24 dBm
- 11dBm + 10log (85.11) = 30.30 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5647.94) = 29.87 dBm > 24 dBm

Chain 2

- 11dBm + 10log (85.28) = 30.31 dBm > 24 dBm
- 11dBm + 10log (85.19) = 30.30 dBm > 24 dBm
- 11dBm + 10log (84.94) = 30.29 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5647.54) = 29.89 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	Chain 2	Chain 3				
52	5260	5.30	5.03	5.41	5.13	13.305	11.24	15.82	Pass
60	5300	5.43	4.97	5.63	4.53	13.124	11.18	15.82	Pass
64	5320	5.67	5.56	6.09	4.92	14.454	11.60	15.82	Pass
100	5500	5.23	5.33	5.26	5.43	13.593	11.33	15.82	Pass
116	5580	5.63	5.45	5.33	5.20	13.885	11.43	15.82	Pass
140	5700	5.29	5.21	5.00	4.33	12.570	10.99	15.82	Pass
144	5720 For U-NII-2C	3.80	4.15	3.78	3.10	9.427	9.74	15.82	Pass
144	5720 For U-NII-3	-0.78	-0.51	-0.86	-1.42	3.266	5.14	22.98	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $22.84 - (13.02 - 6) = 15.82\text{dBm}$.
- 5745~5825MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(20.72) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.85) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.98) = 24.22\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.83) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.69) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.68) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.54) = 22.89\text{ dBm} < 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(20.79) = 24.18\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.74) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.82) = 24.18\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.62) = 24.14\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.95) = 24.21\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.84) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.57) = 22.88\text{ dBm} < 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(20.69) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.53) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.01) = 24.22\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.15) = 24.25\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.72) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.67) = 24.15\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.74) = 22.84\text{ dBm} < 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(20.43) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.51) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.60) = 24.14\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.59) = 24.14\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.64) = 24.15\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.89) = 24.20\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.65) = 22.86\text{ dBm} < 24\text{ dBm}$

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	Chain 2	Chain 3				
54	5270	7.64	7.29	7.88	7.24	22.597	13.54	16.98	Pass
62	5310	6.93	6.29	7.09	6.29	18.558	12.69	16.98	Pass
102	5510	7.67	7.77	7.53	7.64	23.299	13.67	16.98	Pass
110	5550	7.73	7.76	7.79	7.62	23.689	13.75	16.98	Pass
134	5670	7.89	7.53	7.75	7.05	22.838	13.59	16.98	Pass
142	5710 For U-NII-2C	7.29	7.39	7.03	6.64	20.498	13.12	16.98	Pass
142	5710 For U-NII-3	-0.92	-0.91	-1.29	-1.62	3.051	4.84	22.98	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.02 - 6) = 16.98\text{dBm}$.
- 5745~5825MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(41.05) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.99) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.86) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.77) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.69) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.53) = 26.50\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(40.85) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.80) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.49) = 27.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.67) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.81) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.66) = 26.48\text{ dBm} > 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(40.49) = 27.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.45) = 27.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.38) = 27.06\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.45) = 27.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.59) = 27.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.62) = 26.49\text{ dBm} > 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(40.79) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.59) = 27.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.46) = 27.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.34) = 27.06\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.48) = 27.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.79) = 26.47\text{ dBm} > 24\text{ dBm}$

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	Chain 2	Chain 3				
58	5290	4.10	4.02	4.71	4.00	10.562	10.24	16.98	Pass
106	5530	3.42	3.57	2.02	2.72	7.935	9.00	16.98	Pass
122	5610	9.75	9.23	9.11	9.15	34.181	15.34	16.98	Pass
138	5690 For U-NII-2C	7.59	7.30	7.45	6.85	21.509	13.33	16.98	Pass
138	5690 For U-NII-3	-2.26	-2.99	-2.72	-3.35	2.093	3.21	22.98	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.02 - 6) = 16.98\text{dBm}$.
- 5745~5825MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(85.82) = 30.34\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.29) = 30.36\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.69) = 30.33\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.53) = 29.89\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(85.25) = 30.31\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.80) = 30.33\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.78) = 30.33\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.23) = 29.91\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(84.89) = 30.29\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.43) = 30.32\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.11) = 30.30\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.94) = 29.87\text{ dBm} > 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(85.28) = 30.31\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.19) = 30.30\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(84.94) = 30.29\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.54) = 29.89\text{ dBm} > 24\text{ dBm}$

Mode A2

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	Chain 2	Chain 3				
52	5260	0.92	0.83	1.23	0.89	5.001	6.99	10.2	Pass
60	5300	0.91	0.72	1.31	0.46	4.877	6.88	10.2	Pass
64	5320	0.87	0.79	1.12	0.62	4.868	6.87	10.2	Pass
100	5500	0.93	0.97	0.89	0.88	4.941	6.94	10.2	Pass
116	5580	0.74	0.69	0.89	0.87	4.807	6.82	10.2	Pass
140	5700	0.78	1.03	0.93	0.85	4.920	6.92	10.2	Pass
144	5720 For U-NII-2C	-0.04	-0.22	-0.65	-1.73	3.474	5.41	10.2	Pass
144	5720 For U-NII-3	-4.76	-5.04	-5.47	-6.50	1.155	0.63	17.5	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 22.70-(18.5-6) = 10.2dBm.
- 5745~5825MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 30-(18.5-6) = 17.5dBm.

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

Chain 0

- 11dBm + 10log (19.98) = 24.01 dBm > 24 dBm
- 11dBm + 10log (20.08) = 24.03 dBm > 24 dBm
- 11dBm + 10log (20.18) = 24.05 dBm > 24 dBm
- 11dBm + 10log (20.14) = 24.04 dBm > 24 dBm
- 11dBm + 10log (19.82) = 23.97 dBm < 24 dBm
- 11dBm + 10log (20.23) = 24.06 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5710.02) = 22.76 dBm < 24 dBm

Chain 1

- 11dBm + 10log (20.13) = 24.04 dBm > 24 dBm
- 11dBm + 10log (19.87) = 23.98 dBm < 24 dBm
- 11dBm + 10log (20.20) = 24.05 dBm > 24 dBm
- 11dBm + 10log (20.36) = 24.09 dBm > 24 dBm
- 11dBm + 10log (20.24) = 24.06 dBm > 24 dBm
- 11dBm + 10log (20.15) = 24.04 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.81) = 22.82 dBm < 24 dBm

Chain 2

- 11dBm + 10log (19.84) = 23.98 dBm < 24 dBm
- 11dBm + 10log (20.15) = 24.04 dBm > 24 dBm
- 11dBm + 10log (20.18) = 24.05 dBm > 24 dBm
- 11dBm + 10log (20.23) = 24.06 dBm > 24 dBm
- 11dBm + 10log (19.89) = 23.99 dBm < 24 dBm
- 11dBm + 10log (19.85) = 23.98 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5710.20) = 22.70 dBm < 24 dBm

Chain 3

- 11dBm + 10log (19.86) = 23.98 dBm < 24 dBm
- 11dBm + 10log (19.99) = 24.01 dBm > 24 dBm
- 11dBm + 10log (19.69) = 23.94 dBm < 24 dBm
- 11dBm + 10log (19.75) = 23.96 dBm < 24 dBm
- 11dBm + 10log (19.93) = 24.00 dBm = 24 dBm
- 11dBm + 10log (19.79) = 23.96 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5710.14) = 22.72 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	Chain 2	Chain 3				
52	5260	1.21	0.81	0.89	0.83	4.964	6.96	10.34	Pass
60	5300	1.07	0.78	1.23	0.74	4.989	6.98	10.34	Pass
64	5320	0.93	0.88	1.19	0.78	4.976	6.97	10.34	Pass
100	5500	1.12	1.01	0.76	0.79	4.946	6.94	10.34	Pass
116	5580	0.83	1.15	0.79	0.67	4.880	6.88	10.34	Pass
140	5700	1.08	0.83	0.64	0.82	4.860	6.87	10.34	Pass
144	5720 For U-NII-2C	0.14	0.10	-0.08	-1.08	3.818	5.82	10.34	Pass
144	5720 For U-NII-3	-4.27	-4.50	-4.58	-5.52	1.358	1.33	17.5	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 22.84-(18.5-6) = 10.34dBm.
- 5745~5825MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 30-(18.5-6) = 17.5dBm.

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

Chain 0

- 11dBm + 10log (20.87) = 24.20 dBm > 24 dBm
- 11dBm + 10log (20.97) = 24.22 dBm > 24 dBm
- 11dBm + 10log (21.16) = 24.26 dBm > 24 dBm
- 11dBm + 10log (20.83) = 24.19 dBm > 24 dBm
- 11dBm + 10log (20.84) = 24.19 dBm > 24 dBm
- 11dBm + 10log (21.02) = 24.23 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.54) = 22.89 dBm < 24 dBm

Chain 1

- 11dBm + 10log (20.67) = 24.15 dBm > 24 dBm
- 11dBm + 10log (20.78) = 24.18 dBm > 24 dBm
- 11dBm + 10log (20.86) = 24.19 dBm > 24 dBm
- 11dBm + 10log (21.12) = 24.25 dBm > 24 dBm
- 11dBm + 10log (21.10) = 24.24 dBm > 24 dBm
- 11dBm + 10log (21.04) = 24.23 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.57) = 22.88 dBm < 24 dBm

Chain 2

- 11dBm + 10log (20.71) = 24.16 dBm > 24 dBm
- 11dBm + 10log (20.86) = 24.19 dBm > 24 dBm
- 11dBm + 10log (20.82) = 24.18 dBm > 24 dBm
- 11dBm + 10log (20.76) = 24.17 dBm > 24 dBm
- 11dBm + 10log (20.70) = 24.16 dBm > 24 dBm
- 11dBm + 10log (20.75) = 24.17 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.68) = 22.85 dBm < 24 dBm

Chain 3

- 11dBm + 10log (20.40) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.56) = 24.13 dBm > 24 dBm
- 11dBm + 10log (20.81) = 24.18 dBm > 24 dBm
- 11dBm + 10log (20.48) = 24.11 dBm > 24 dBm
- 11dBm + 10log (20.71) = 24.16 dBm > 24 dBm
- 11dBm + 10log (20.77) = 24.17 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.71) = 22.84 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	Chain 2	Chain 3				
54	5270	2.49	1.78	2.06	1.86	6.423	8.08	11.5	Pass
62	5310	2.23	1.64	2.48	1.95	6.467	8.11	11.5	Pass
102	5510	2.18	2.17	1.95	1.94	6.430	8.08	11.5	Pass
110	5550	2.33	2.16	1.91	1.93	6.466	8.11	11.5	Pass
134	5670	2.57	2.03	2.06	1.54	6.436	8.09	11.5	Pass
142	5710 For U-NII-2C	1.03	0.61	0.38	0.32	4.586	6.61	11.5	Pass
142	5710 For U-NII-3	-9.90	-10.45	-11.06	-12.57	0.326	-4.87	17.5	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 24-(18.5-6) = 11.5dBm.
- 5745~5825MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 30-(18.5-6) = 17.5dBm.

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

Chain 0

- 11dBm + 10log (41.27) = 27.16 dBm > 24 dBm
- 11dBm + 10log (40.93) = 27.12 dBm > 24 dBm
- 11dBm + 10log (41.02) = 27.13 dBm > 24 dBm
- 11dBm + 10log (40.88) = 27.12 dBm > 24 dBm
- 11dBm + 10log (41.11) = 27.14 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.60) = 26.49 dBm > 24 dBm

Chain 1

- 11dBm + 10log (41.00) = 27.13 dBm > 24 dBm
- 11dBm + 10log (41.17) = 27.15 dBm > 24 dBm
- 11dBm + 10log (40.82) = 27.11 dBm > 24 dBm
- 11dBm + 10log (40.88) = 27.12 dBm > 24 dBm
- 11dBm + 10log (41.05) = 27.13 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.81) = 26.46 dBm > 24 dBm

Chain 2

- 11dBm + 10log (40.54) = 27.08 dBm > 24 dBm
- 11dBm + 10log (40.77) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.43) = 27.07 dBm > 24 dBm
- 11dBm + 10log (40.76) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.57) = 27.08 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.73) = 26.47 dBm > 24 dBm

Chain 3

- 11dBm + 10log (40.68) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.60) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.60) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.61) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.70) = 27.10 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.80) = 26.47 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	Chain 2	Chain 3				
58	5290	2.75	2.04	2.49	2.14	6.895	8.39	11.5	Pass
106	5530	2.56	2.57	2.08	2.13	6.857	8.36	11.5	Pass
122	5610	2.87	2.16	2.39	2.19	6.970	8.43	11.5	Pass
138	5690 For U-NII-2C	1.04	0.25	0.71	0.01	4.510	6.54	11.5	Pass
138	5690 For U-NII-3	-11.65	-13.16	-12.48	-12.99	0.223	-6.51	17.5	Pass

Note:

1. 5260~5320MHz, 5500~5720MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 24-(18.5-6) = 11.5dBm.

2. 5745~5825MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 30-(18.5-6) = 17.5dBm.

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

Chain 0

1. 11dBm + 10log (86.01) = 30.35 dBm > 24 dBm
2. 11dBm + 10log (86.71) = 30.38 dBm > 24 dBm
3. 11dBm + 10log (86.95) = 30.39 dBm > 24 dBm
4. 11dBm + 10log (5725.00 - 5641.14) = 30.24 dBm > 24 dBm

Chain 1

1. 11dBm + 10log (85.98) = 30.34 dBm > 24 dBm
2. 11dBm + 10log (85.69) = 30.33 dBm > 24 dBm
3. 11dBm + 10log (85.54) = 30.32 dBm > 24 dBm
4. 11dBm + 10log (5725.00 - 5647.35) = 29.90 dBm > 24 dBm

Chain 2

1. 11dBm + 10log (85.13) = 30.30 dBm > 24 dBm
2. 11dBm + 10log (86.36) = 30.36 dBm > 24 dBm
3. 11dBm + 10log (85.20) = 30.30 dBm > 24 dBm
4. 11dBm + 10log (5725.00 - 5647.59) = 29.89 dBm > 24 dBm

Chain 3

1. 11dBm + 10log (85.28) = 30.31 dBm > 24 dBm
2. 11dBm + 10log (85.16) = 30.30 dBm > 24 dBm
3. 11dBm + 10log (84.52) = 30.27 dBm > 24 dBm
4. 11dBm + 10log (5725.00 - 5647.67) = 29.88 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	Chain 2	Chain 3				
52	5260	-4.81	-5.21	-5.13	-5.19	1.241	0.94	5.57	Pass
60	5300	-4.95	-5.24	-4.79	-5.28	1.247	0.96	5.57	Pass
64	5320	-5.09	-5.14	-4.83	-5.24	1.244	0.95	5.57	Pass
100	5500	-4.90	-5.01	-5.26	-5.23	1.237	0.92	5.57	Pass
116	5580	-5.19	-4.87	-5.23	-5.35	1.220	0.86	5.57	Pass
140	5700	-4.94	-5.19	-5.38	-5.20	1.215	0.85	5.57	Pass
144	5720 For U-NII-2C	-5.88	-5.92	-6.10	-7.10	0.954	-0.20	5.57	Pass
144	5720 For U-NII-3	-10.29	-10.52	-10.60	-11.54	0.339	-4.69	12.73	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $22.84 - (23.27 - 6) = 5.57\text{dBm}$.
- 5745~5825MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (23.27 - 6) = 12.73\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(20.87) = 24.20\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.97) = 24.22\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.16) = 24.26\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.83) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.84) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.02) = 24.23\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.54) = 22.89\text{ dBm} < 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(20.67) = 24.15\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.78) = 24.18\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.86) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.12) = 24.25\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.10) = 24.24\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.04) = 24.23\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.57) = 22.88\text{ dBm} < 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(20.71) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.86) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.82) = 24.18\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.76) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.70) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.75) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.68) = 22.85\text{ dBm} < 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(20.40) = 24.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.56) = 24.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.81) = 24.18\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.48) = 24.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.71) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.77) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.71) = 22.84\text{ dBm} < 24\text{ dBm}$

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	Chain 2	Chain 3				
54	5270	-3.53	-4.24	-3.96	-4.16	1.606	2.06	6.73	Pass
62	5310	-3.79	-4.38	-3.54	-4.07	1.617	2.09	6.73	Pass
102	5510	-3.84	-3.85	-4.07	-4.08	1.608	2.06	6.73	Pass
110	5550	-3.69	-3.86	-4.11	-4.09	1.617	2.09	6.73	Pass
134	5670	-3.45	-3.99	-3.96	-4.48	1.609	2.07	6.73	Pass
142	5710 For U-NII-2C	-4.99	-5.41	-5.64	-5.70	1.147	0.59	6.73	Pass
142	5710 For U-NII-3	-15.92	-16.47	-17.08	-18.59	0.082	-10.89	12.73	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (23.27 - 6) = 6.73\text{dBm}$.
- 5745~5825MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (23.27 - 6) = 12.73\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(41.27) = 27.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.93) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(41.02) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.88) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(41.11) = 27.14\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.60) = 26.49\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(41.00) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(41.17) = 27.15\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.82) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.88) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(41.05) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.81) = 26.46\text{ dBm} > 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(40.54) = 27.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.77) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.43) = 27.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.76) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.57) = 27.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.73) = 26.47\text{ dBm} > 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(40.68) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.60) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.60) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.61) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.70) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.80) = 26.47\text{ dBm} > 24\text{ dBm}$

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	Chain 2	Chain 3				
58	5290	-3.27	-3.98	-3.53	-3.88	1.724	2.36	6.73	Pass
106	5530	-3.46	-3.45	-3.94	-3.89	1.714	2.34	6.73	Pass
122	5610	-3.15	-3.86	-3.63	-3.83	1.743	2.41	6.73	Pass
138	5690 For U-NII-2C	-4.98	-5.77	-5.31	-6.01	1.127	0.52	6.73	Pass
138	5690 For U-NII-3	-17.67	-19.18	-18.50	-19.01	0.056	-12.53	12.73	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (23.27 - 6) = 6.73\text{dBm}$.
- 5745~5825MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (23.27 - 6) = 12.73\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(86.01) = 30.35\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.71) = 30.38\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.95) = 30.39\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5641.14) = 30.24\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(85.98) = 30.34\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.69) = 30.33\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.54) = 30.32\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.35) = 29.90\text{ dBm} > 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(85.13) = 30.30\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.36) = 30.36\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.20) = 30.30\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.59) = 29.89\text{ dBm} > 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(85.28) = 30.31\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.16) = 30.30\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(84.52) = 30.27\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.67) = 29.88\text{ dBm} > 24\text{ dBm}$

Mode B1

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	Chain 2	Chain 3				
52	5260	10.35	10.32	10.75	10.49	44.683	16.50	21.76	Pass
60	5300	10.35	10.62	10.95	10.64	46.407	16.67	21.76	Pass
64	5320	10.18	10.69	10.88	10.59	45.846	16.61	21.76	Pass
100	5500	10.85	10.75	11.28	11.05	50.210	17.01	21.76	Pass
116	5580	10.92	10.28	11.15	11.02	48.704	16.88	21.76	Pass
140	5700	10.48	10.65	11.38	10.68	48.218	16.83	21.76	Pass
144	5720 For U-NII-2C	8.95	9.54	10.40	9.21	36.149	15.58	21.76	Pass
144	5720 For U-NII-3	4.21	4.85	5.36	4.47	11.926	10.76	29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 7 > 6dBi, so the limit shall be reduced to 22.76-(7-6) = 21.76dBm.
- 5745~5825MHz Gain = 7 > 6dBi, so the limit shall be reduced to 30-(7-6) = 29dBm.

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

Chain 0

- 11dBm + 10log (20.19) = 24.05 dBm > 24 dBm
- 11dBm + 10log (19.96) = 24.00 dBm = 24 dBm
- 11dBm + 10log (20.25) = 24.06 dBm > 24 dBm
- 11dBm + 10log (20.02) = 24.01 dBm > 24 dBm
- 11dBm + 10log (20.12) = 24.04 dBm > 24 dBm
- 11dBm + 10log (20.04) = 24.02 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.96) = 22.77 dBm < 24 dBm

Chain 1

- 11dBm + 10log (20.12) = 24.04 dBm > 24 dBm
- 11dBm + 10log (20.09) = 24.03 dBm > 24 dBm
- 11dBm + 10log (19.90) = 23.99 dBm < 24 dBm
- 11dBm + 10log (19.62) = 23.93 dBm < 24 dBm
- 11dBm + 10log (19.98) = 24.01 dBm > 24 dBm
- 11dBm + 10log (19.86) = 23.98 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5709.89) = 22.79 dBm < 24 dBm

Chain 2

- 11dBm + 10log (19.92) = 23.99 dBm < 24 dBm
- 11dBm + 10log (20.03) = 24.02 dBm > 24 dBm
- 11dBm + 10log (20.09) = 24.03 dBm > 24 dBm
- 11dBm + 10log (19.92) = 23.99 dBm < 24 dBm
- 11dBm + 10log (19.66) = 23.94 dBm < 24 dBm
- 11dBm + 10log (19.89) = 23.99 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5709.98) = 22.77 dBm < 24 dBm

Chain 3

- 11dBm + 10log (19.69) = 23.94 dBm < 24 dBm
- 11dBm + 10log (19.44) = 23.89 dBm < 24 dBm
- 11dBm + 10log (19.53) = 23.91 dBm < 24 dBm
- 11dBm + 10log (19.73) = 23.95 dBm < 24 dBm
- 11dBm + 10log (19.89) = 23.99 dBm < 24 dBm
- 11dBm + 10log (19.91) = 23.99 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5709.99) = 22.76 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	Chain 2	Chain 3				
52	5260	10.48	10.28	10.74	10.45	44.785	16.51	21.86	Pass
60	5300	10.47	10.74	11.02	10.78	47.615	16.78	21.86	Pass
64	5320	10.45	10.91	11.12	10.82	48.443	16.85	21.86	Pass
100	5500	11.07	10.78	11.41	11.25	51.932	17.15	21.86	Pass
116	5580	11.12	10.59	11.41	11.32	51.785	17.14	21.86	Pass
140	5700	10.55	13.78	11.35	11.66	63.529	18.03	21.86	Pass
144	5720 For U-NII-2C	9.14	9.72	10.36	9.54	37.439	15.73	21.86	Pass
144	5720 For U-NII-3	4.68	5.15	5.74	4.95	13.087	11.17	29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 7 > 6dBi, so the limit shall be reduced to 22.86-(7-6) = 21.86dBm.
- 5745~5825MHz Gain = 7 > 6dBi, so the limit shall be reduced to 30-(7-6) = 29dBm.

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

Chain 0

- 11dBm + 10log (20.80) = 24.18 dBm > 24 dBm
- 11dBm + 10log (20.85) = 24.19 dBm > 24 dBm
- 11dBm + 10log (20.96) = 24.21 dBm > 24 dBm
- 11dBm + 10log (21.06) = 24.23 dBm > 24 dBm
- 11dBm + 10log (21.18) = 24.26 dBm > 24 dBm
- 11dBm + 10log (20.62) = 24.14 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.63) = 22.87 dBm < 24 dBm

Chain 1

- 11dBm + 10log (20.54) = 24.13 dBm > 24 dBm
- 11dBm + 10log (20.54) = 24.13 dBm > 24 dBm
- 11dBm + 10log (20.66) = 24.15 dBm > 24 dBm
- 11dBm + 10log (20.83) = 24.19 dBm > 24 dBm
- 11dBm + 10log (21.01) = 24.22 dBm > 24 dBm
- 11dBm + 10log (21.05) = 24.23 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.53) = 22.89 dBm < 24 dBm

Chain 2

- 11dBm + 10log (20.77) = 24.17 dBm > 24 dBm
- 11dBm + 10log (21.01) = 24.22 dBm > 24 dBm
- 11dBm + 10log (21.06) = 24.23 dBm > 24 dBm
- 11dBm + 10log (20.85) = 24.19 dBm > 24 dBm
- 11dBm + 10log (20.57) = 24.13 dBm > 24 dBm
- 11dBm + 10log (20.61) = 24.14 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.66) = 22.86 dBm < 24 dBm

Chain 3

- 11dBm + 10log (20.65) = 24.15 dBm > 24 dBm
- 11dBm + 10log (20.51) = 24.12 dBm > 24 dBm
- 11dBm + 10log (20.69) = 24.16 dBm > 24 dBm
- 11dBm + 10log (21.02) = 24.23 dBm > 24 dBm
- 11dBm + 10log (20.82) = 24.18 dBm > 24 dBm
- 11dBm + 10log (20.84) = 24.19 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.43) = 22.92 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	Chain 2	Chain 3				
54	5270	13.28	13.18	13.44	13.16	84.859	19.29	23	Pass
62	5310	12.95	12.31	13.11	12.31	74.232	18.71	23	Pass
102	5510	12.77	12.01	12.94	12.87	73.851	18.68	23	Pass
110	5550	13.63	12.94	13.81	13.62	89.804	19.53	23	Pass
134	5670	13.36	12.67	14.34	13.53	89.876	19.54	23	Pass
142	5710 For U-NII-2C	12.32	12.54	13.13	12.44	73.106	18.64	23	Pass
142	5710 For U-NII-3	4.05	4.32	5.00	4.13	10.995	10.41	29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 7 > 6dBi, so the limit shall be reduced to 24-(7-6) = 23dBm.
- 5745~5825MHz Gain = 7 > 6dBi, so the limit shall be reduced to 30-(7-6) = 29dBm.

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

Chain 0

- 11dBm + 10log (40.56) = 27.08 dBm > 24 dBm
- 11dBm + 10log (40.81) = 27.11 dBm > 24 dBm
- 11dBm + 10log (40.85) = 27.11 dBm > 24 dBm
- 11dBm + 10log (40.76) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.81) = 27.11 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.63) = 26.49 dBm > 24 dBm

Chain 1

- 11dBm + 10log (40.71) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.64) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.67) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.96) = 27.12 dBm > 24 dBm
- 11dBm + 10log (40.70) = 27.10 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.54) = 26.50 dBm > 24 dBm

Chain 2

- 11dBm + 10log (40.59) = 27.08 dBm > 24 dBm
- 11dBm + 10log (40.70) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.55) = 27.08 dBm > 24 dBm
- 11dBm + 10log (40.62) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.52) = 27.08 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.84) = 26.46 dBm > 24 dBm

Chain 3

- 11dBm + 10log (40.45) = 27.07 dBm > 24 dBm
- 11dBm + 10log (40.60) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.61) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.37) = 27.06 dBm > 24 dBm
- 11dBm + 10log (40.36) = 27.06 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.59) = 26.49 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	Chain 2	Chain 3				
58	5290	9.71	10.17	10.25	9.81	39.918	16.01	23	Pass
106	5530	8.53	8.21	8.47	8.37	27.653	14.42	23	Pass
122	5610	15.77	15.25	15.13	15.17	136.723	21.36	23	Pass
138	5690 For U-NII-2C	11.40	10.71	11.88	11.61	55.485	17.44	23	Pass
138	5690 For U-NII-3	-3.21	-2.70	-1.71	-3.77	2.109	3.24	29	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 7 > 6dBi, so the limit shall be reduced to 24-(7-6) = 23dBm.
- 5745~5825MHz Gain = 7 > 6dBi, so the limit shall be reduced to 30-(7-6) = 29dBm.

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

Chain 0

- 11dBm + 10log (86.08) = 30.35 dBm > 24 dBm
- 11dBm + 10log (85.76) = 30.33 dBm > 24 dBm
- 11dBm + 10log (85.49) = 30.32 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5647.14) = 29.91 dBm > 24 dBm

Chain 1

- 11dBm + 10log (86.42) = 30.37 dBm > 24 dBm
- 11dBm + 10log (86.02) = 30.35 dBm > 24 dBm
- 11dBm + 10log (85.28) = 30.31 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5647.62) = 29.89 dBm > 24 dBm

Chain 2

- 11dBm + 10log (84.38) = 30.26 dBm > 24 dBm
- 11dBm + 10log (84.53) = 30.27 dBm > 24 dBm
- 11dBm + 10log (98.61) = 30.94 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5647.27) = 29.91 dBm > 24 dBm

Chain 3

- 11dBm + 10log (84.86) = 30.29 dBm > 24 dBm
- 11dBm + 10log (84.03) = 30.24 dBm > 24 dBm
- 11dBm + 10log (87.08) = 30.40 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5646.86) = 29.93 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	Chain 2	Chain 3				
52	5260	4.46	4.26	4.72	4.43	11.196	10.49	15.84	Pass
60	5300	4.45	4.72	5.00	4.76	11.904	10.76	15.84	Pass
64	5320	4.43	4.89	5.10	4.80	12.111	10.83	15.84	Pass
100	5500	5.05	4.76	5.39	5.23	12.983	11.13	15.84	Pass
116	5580	5.10	4.57	5.39	5.30	12.946	11.12	15.84	Pass
140	5700	4.53	7.76	5.33	5.64	15.882	12.01	15.84	Pass
144	5720 For U-NII-2C	3.12	3.70	4.34	3.52	9.360	9.71	15.84	Pass
144	5720 For U-NII-3	-1.34	-0.87	-0.28	-1.07	3.272	5.15	22.98	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $22.86 - (13.02 - 6) = 15.84\text{dBm}$.
- 5745~5825MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(20.80) = 24.18\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.85) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.96) = 24.21\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.06) = 24.23\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.18) = 24.26\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.62) = 24.14\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.63) = 22.87\text{ dBm} < 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(20.54) = 24.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.54) = 24.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.66) = 24.15\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.83) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.01) = 24.22\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.05) = 24.23\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.53) = 22.89\text{ dBm} < 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(20.77) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.01) = 24.22\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.06) = 24.23\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.85) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.57) = 24.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.61) = 24.14\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.66) = 22.86\text{ dBm} < 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(20.65) = 24.15\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.51) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.69) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.02) = 24.23\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.82) = 24.18\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.84) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.43) = 22.92\text{ dBm} < 24\text{ dBm}$

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	Chain 2	Chain 3				
54	5270	7.26	7.16	7.42	7.14	21.215	13.27	16.98	Pass
62	5310	6.93	6.29	7.09	6.29	18.558	12.69	16.98	Pass
102	5510	6.75	5.99	6.92	6.85	18.463	12.66	16.98	Pass
110	5550	7.61	6.92	7.79	7.60	22.451	13.51	16.98	Pass
134	5670	7.34	6.65	8.32	7.51	22.469	13.52	16.98	Pass
142	5710 For U-NII-2C	6.30	6.52	7.11	6.42	18.276	12.62	16.98	Pass
142	5710 For U-NII-3	-1.97	-1.70	-1.02	-1.89	2.749	4.39	22.98	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.02 - 6) = 16.98\text{dBm}$.
- 5745~5825MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(40.56) = 27.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.81) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.85) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.76) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.81) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.63) = 26.49\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(40.71) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.64) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.67) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.96) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.70) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.54) = 26.50\text{ dBm} > 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(40.59) = 27.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.70) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.55) = 27.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.62) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.52) = 27.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.84) = 26.46\text{ dBm} > 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(40.45) = 27.07\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.60) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.61) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.37) = 27.06\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.36) = 27.06\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.59) = 26.49\text{ dBm} > 24\text{ dBm}$

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	Chain 2	Chain 3				
58	5290	3.69	4.15	4.23	3.79	9.979	9.99	16.98	Pass
106	5530	2.51	2.19	2.45	2.35	6.913	8.40	16.98	Pass
122	5610	9.75	9.23	9.11	9.15	34.181	15.34	16.98	Pass
138	5690 For U-NII-2C	5.38	4.69	5.86	5.59	13.871	11.42	16.98	Pass
138	5690 For U-NII-3	-9.23	-8.72	-7.73	-9.79	0.527	-2.78	22.98	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (13.02 - 6) = 16.98\text{dBm}$.
- 5745~5825MHz Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(86.08) = 30.35\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.76) = 30.33\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.49) = 30.32\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.14) = 29.91\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(86.42) = 30.37\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.02) = 30.35\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(85.28) = 30.31\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.62) = 29.89\text{ dBm} > 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(84.38) = 30.26\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(84.53) = 30.27\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(98.61) = 30.94\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.27) = 29.91\text{ dBm} > 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(84.86) = 30.29\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(84.03) = 30.24\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(87.08) = 30.40\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5646.86) = 29.93\text{ dBm} > 24\text{ dBm}$

Mode B2

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	Chain 2	Chain 3				
52	5260	1.11	0.96	1.13	1.09	5.120	7.09	10.31	Pass
60	5300	1.02	1.13	1.42	1.01	5.211	7.17	10.31	Pass
64	5320	0.93	1.17	1.11	1.07	5.118	7.09	10.31	Pass
100	5500	1.01	0.57	1.26	1.17	5.048	7.03	10.31	Pass
116	5580	1.09	1.11	1.32	1.14	5.231	7.19	10.31	Pass
140	5700	1.12	1.03	1.68	1.09	5.319	7.26	10.31	Pass
144	5720 For U-NII-2C	-0.93	-0.71	-0.39	-0.90	3.383	5.29	10.31	Pass
144	5720 For U-NII-3	-5.58	-5.73	-5.05	-5.67	1.128	0.52	17.5	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 22.81-(18.5-6) = 10.31dBm.
- 5745~5825MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 30-(18.5-6) = 17.5dBm.

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

Chain 0

- 11dBm + 10log (20.31) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.41) = 24.10 dBm > 24 dBm
- 11dBm + 10log (20.22) = 24.06 dBm > 24 dBm
- 11dBm + 10log (20.30) = 24.07 dBm > 24 dBm
- 11dBm + 10log (19.95) = 24.00 dBm = 24 dBm
- 11dBm + 10log (20.22) = 24.06 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.81) = 22.82 dBm < 24 dBm

Chain 1

- 11dBm + 10log (19.95) = 24.00 dBm = 24 dBm
- 11dBm + 10log (20.29) = 24.07 dBm > 24 dBm
- 11dBm + 10log (20.18) = 24.05 dBm > 24 dBm
- 11dBm + 10log (20.30) = 24.07 dBm > 24 dBm
- 11dBm + 10log (20.32) = 24.08 dBm > 24 dBm
- 11dBm + 10log (20.44) = 24.10 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.78) = 22.82 dBm < 24 dBm

Chain 2

- 11dBm + 10log (20.30) = 24.07 dBm > 24 dBm
- 11dBm + 10log (20.45) = 24.11 dBm > 24 dBm
- 11dBm + 10log (19.73) = 23.95 dBm < 24 dBm
- 11dBm + 10log (19.93) = 24.00 dBm > 24 dBm
- 11dBm + 10log (19.67) = 23.94 dBm < 24 dBm
- 11dBm + 10log (19.77) = 23.96 dBm < 24 dBm
- 11dBm + 10log (5725.00 - 5709.79) = 22.82 dBm < 24 dBm

Chain 3

- 11dBm + 10log (20.01) = 24.01 dBm > 24 dBm
- 11dBm + 10log (20.12) = 24.04 dBm > 24 dBm
- 11dBm + 10log (19.89) = 23.99 dBm < 24 dBm
- 11dBm + 10log (20.07) = 24.03 dBm > 24 dBm
- 11dBm + 10log (20.12) = 24.04 dBm > 24 dBm
- 11dBm + 10log (20.33) = 24.08 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.84) = 22.81 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	Chain 2	Chain 3				
52	5260	1.19	0.98	1.39	1.01	5.207	7.17	10.34	Pass
60	5300	1.03	1.08	1.47	1.32	5.308	7.25	10.34	Pass
64	5320	1.04	1.25	1.38	1.33	5.337	7.27	10.34	Pass
100	5500	1.21	1.46	1.35	1.17	5.395	7.32	10.34	Pass
116	5580	1.28	1.39	1.26	1.18	5.369	7.30	10.34	Pass
140	5700	0.87	0.82	1.54	1.23	5.183	7.15	10.34	Pass
144	5720 For U-NII-2C	-0.75	-0.53	-0.32	-0.35	3.578	5.54	10.34	Pass
144	5720 For U-NII-3	-5.89	-7.31	-5.75	-6.38	0.940	-0.27	17.5	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 22.84-(18.5-6) = 10.34dBm.
- 5745~5825MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 30-(18.5-6) = 17.5dBm.

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

Chain 0

- 11dBm + 10log (20.75) = 24.17 dBm > 24 dBm
- 11dBm + 10log (20.64) = 24.15 dBm > 24 dBm
- 11dBm + 10log (20.69) = 24.16 dBm > 24 dBm
- 11dBm + 10log (20.54) = 24.13 dBm > 24 dBm
- 11dBm + 10log (20.56) = 24.13 dBm > 24 dBm
- 11dBm + 10log (20.92) = 24.21 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.71) = 22.84 dBm < 24 dBm

Chain 1

- 11dBm + 10log (20.77) = 24.17 dBm > 24 dBm
- 11dBm + 10log (20.73) = 24.17 dBm > 24 dBm
- 11dBm + 10log (20.84) = 24.19 dBm > 24 dBm
- 11dBm + 10log (20.89) = 24.20 dBm > 24 dBm
- 11dBm + 10log (20.73) = 24.17 dBm > 24 dBm
- 11dBm + 10log (20.73) = 24.17 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.58) = 22.88 dBm < 24 dBm

Chain 2

- 11dBm + 10log (20.77) = 24.17 dBm > 24 dBm
- 11dBm + 10log (20.83) = 24.19 dBm > 24 dBm
- 11dBm + 10log (21.00) = 24.22 dBm > 24 dBm
- 11dBm + 10log (20.95) = 24.21 dBm > 24 dBm
- 11dBm + 10log (20.67) = 24.15 dBm > 24 dBm
- 11dBm + 10log (20.66) = 24.15 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.61) = 22.87 dBm < 24 dBm

Chain 3

- 11dBm + 10log (20.61) = 24.14 dBm > 24 dBm
- 11dBm + 10log (20.52) = 24.12 dBm > 24 dBm
- 11dBm + 10log (20.65) = 24.15 dBm > 24 dBm
- 11dBm + 10log (20.62) = 24.14 dBm > 24 dBm
- 11dBm + 10log (20.68) = 24.16 dBm > 24 dBm
- 11dBm + 10log (20.75) = 24.17 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5709.55) = 22.89 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	Chain 2	Chain 3				
54	5270	2.49	2.00	2.59	2.21	6.838	8.35	11.5	Pass
62	5310	1.94	1.83	2.22	1.96	6.324	8.01	11.5	Pass
102	5510	2.25	1.36	2.23	2.11	6.344	8.02	11.5	Pass
110	5550	2.35	1.26	2.26	1.99	6.319	8.01	11.5	Pass
134	5670	2.49	1.61	3.11	2.19	6.925	8.40	11.5	Pass
142	5710 For U-NII-2C	1.30	1.19	1.77	1.23	5.494	7.40	11.5	Pass
142	5710 For U-NII-3	-6.77	-6.87	-6.22	-6.99	0.855	-0.68	17.5	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 24-(18.5-6) = 11.5dBm.
- 5745~5825MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 30-(18.5-6) = 17.5dBm.

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

Chain 0

- 11dBm + 10log (40.83) = 27.11 dBm > 24 dBm
- 11dBm + 10log (41.00) = 27.13 dBm > 24 dBm
- 11dBm + 10log (40.98) = 27.13 dBm > 24 dBm
- 11dBm + 10log (40.93) = 27.12 dBm > 24 dBm
- 11dBm + 10log (40.87) = 27.11 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.64) = 26.49 dBm > 24 dBm

Chain 1

- 11dBm + 10log (41.01) = 27.13 dBm > 24 dBm
- 11dBm + 10log (41.12) = 27.14 dBm > 24 dBm
- 11dBm + 10log (40.96) = 27.12 dBm > 24 dBm
- 11dBm + 10log (40.94) = 27.12 dBm > 24 dBm
- 11dBm + 10log (41.11) = 27.14 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.63) = 26.49 dBm > 24 dBm

Chain 2

- 11dBm + 10log (40.68) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.88) = 27.12 dBm > 24 dBm
- 11dBm + 10log (40.69) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.66) = 27.09 dBm > 24 dBm
- 11dBm + 10log (40.66) = 27.09 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.72) = 26.48 dBm > 24 dBm

Chain 3

- 11dBm + 10log (40.93) = 27.12 dBm > 24 dBm
- 11dBm + 10log (40.79) = 27.11 dBm > 24 dBm
- 11dBm + 10log (40.75) = 27.10 dBm > 24 dBm
- 11dBm + 10log (40.55) = 27.08 dBm > 24 dBm
- 11dBm + 10log (40.53) = 27.08 dBm > 24 dBm
- 11dBm + 10log (5725.00 - 5689.79) = 26.47 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	Chain 2	Chain 3				
58	5290	2.31	2.12	2.52	2.23	6.788	8.32	11.5	Pass
106	5530	2.24	1.52	2.39	2.26	6.511	8.14	11.5	Pass
122	5610	2.36	1.62	2.24	2.13	6.482	8.12	11.5	Pass
138	5690 For U-NII-2C	1.48	1.17	2.28	1.77	5.908	7.71	11.5	Pass
138	5690 For U-NII-3	-8.15	-8.24	-7.58	-8.18	0.630	-2.01	17.5	Pass

Note:

1. 5260~5320MHz, 5500~5720MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 24-(18.5-6) = 11.5dBm.

2. 5745~5825MHz Gain = 18.5 > 6dBi, so the limit shall be reduced to 30-(18.5-6) = 17.5dBm.

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

Chain 0

1. 11dBm + 10log (86.25) = 30.36 dBm > 24 dBm
2. 11dBm + 10log (88.93) = 30.49 dBm > 24 dBm
3. 11dBm + 10log (86.22) = 30.36 dBm > 24 dBm
4. 11dBm + 10log (5725.00 - 5646.60) = 29.94 dBm > 24 dBm

Chain 1

1. 11dBm + 10log (86.33) = 30.36 dBm > 24 dBm
2. 11dBm + 10log (86.69) = 30.38 dBm > 24 dBm
3. 11dBm + 10log (86.88) = 30.39 dBm > 24 dBm
4. 11dBm + 10log (5725.00 - 5647.42) = 29.90 dBm > 24 dBm

Chain 2

1. 11dBm + 10log (86.16) = 30.35 dBm > 24 dBm
2. 11dBm + 10log (86.49) = 30.37 dBm > 24 dBm
3. 11dBm + 10log (86.30) = 30.36 dBm > 24 dBm
4. 11dBm + 10log (5725.00 - 5647.44) = 29.90 dBm > 24 dBm

Chain 3

1. 11dBm + 10log (86.80) = 30.39 dBm > 24 dBm
2. 11dBm + 10log (86.82) = 30.39 dBm > 24 dBm
3. 11dBm + 10log (86.44) = 30.37 dBm > 24 dBm
4. 11dBm + 10log (5725.00 - 5645.46) = 30.01 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	Chain 2	Chain 3				
52	5260	-4.83	-5.04	-4.63	-5.01	1.302	1.15	5.57	Pass
60	5300	-4.99	-4.94	-4.55	-4.70	1.327	1.23	5.57	Pass
64	5320	-4.98	-4.77	-4.64	-4.69	1.334	1.25	5.57	Pass
100	5500	-4.81	-4.56	-4.67	-4.85	1.349	1.30	5.57	Pass
116	5580	-4.74	-4.63	-4.76	-4.84	1.342	1.28	5.57	Pass
140	5700	-5.15	-5.20	-4.48	-4.79	1.296	1.12	5.57	Pass
144	5720 For U-NII-2C	-6.77	-6.55	-6.34	-6.37	0.895	-0.48	5.57	Pass
144	5720 For U-NII-3	-11.91	-13.33	-11.77	-12.40	0.235	-6.29	12.73	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $22.84 - (23.27 - 6) = 5.57\text{dBm}$.
- 5745~5825MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (23.27 - 6) = 12.73\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(20.75) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.64) = 24.15\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.69) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.54) = 24.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.56) = 24.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.92) = 24.21\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.71) = 22.84\text{ dBm} < 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(20.77) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.73) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.84) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.89) = 24.20\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.73) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.73) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.58) = 22.88\text{ dBm} < 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(20.77) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.83) = 24.19\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(21.00) = 24.22\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.95) = 24.21\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.67) = 24.15\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.66) = 24.15\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.61) = 22.87\text{ dBm} < 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(20.61) = 24.14\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.52) = 24.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.65) = 24.15\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.62) = 24.14\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.68) = 24.16\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(20.75) = 24.17\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.55) = 22.89\text{ dBm} < 24\text{ dBm}$

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	Chain 2	Chain 3				
54	5270	-3.53	-4.02	-3.43	-3.81	1.710	2.33	6.73	Pass
62	5310	-4.08	-4.19	-3.80	-4.06	1.581	1.99	6.73	Pass
102	5510	-3.77	-4.66	-3.79	-3.91	1.586	2.00	6.73	Pass
110	5550	-3.67	-4.76	-3.76	-4.03	1.580	1.99	6.73	Pass
134	5670	-3.53	-4.41	-2.91	-3.83	1.731	2.38	6.73	Pass
142	5710 For U-NII-2C	-4.72	-4.83	-4.25	-4.79	1.374	1.38	6.73	Pass
142	5710 For U-NII-3	-12.79	-12.89	-12.24	-13.01	0.214	-6.70	12.73	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi}$ > 6dBi, so the limit shall be reduced to $24 - (23.27 - 6) = 6.73\text{dBm}$.
- 5745~5825MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi}$ > 6dBi, so the limit shall be reduced to $30 - (23.27 - 6) = 12.73\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(40.83) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(41.00) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.98) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.93) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.87) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.64) = 26.49\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(41.01) = 27.13\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(41.12) = 27.14\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.96) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.94) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(41.11) = 27.14\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.63) = 26.49\text{ dBm} > 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(40.68) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.88) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.69) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.66) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.66) = 27.09\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.72) = 26.48\text{ dBm} > 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(40.93) = 27.12\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.79) = 27.11\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.75) = 27.10\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.55) = 27.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(40.53) = 27.08\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5689.79) = 26.47\text{ dBm} > 24\text{ dBm}$

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	Chain 2	Chain 3				
58	5290	-3.71	-3.90	-3.50	-3.79	1.697	2.30	6.73	Pass
106	5530	-3.78	-4.50	-3.63	-3.76	1.628	2.12	6.73	Pass
122	5610	-3.66	-4.40	-3.78	-3.89	1.620	2.10	6.73	Pass
138	5690 For U-NII-2C	-4.54	-4.85	-3.74	-4.25	1.477	1.69	6.73	Pass
138	5690 For U-NII-3	-14.17	-14.26	-13.60	-14.20	0.157	-8.03	12.73	Pass

Note:

- 5260~5320MHz, 5500~5720MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $24 - (23.27 - 6) = 6.73\text{dBm}$.
- 5745~5825MHz Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (23.27 - 6) = 12.73\text{dBm}$.

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

Chain 0

- $11\text{dBm} + 10\log(86.25) = 30.36\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(88.93) = 30.49\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.22) = 30.36\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5646.60) = 29.94\text{ dBm} > 24\text{ dBm}$

Chain 1

- $11\text{dBm} + 10\log(86.33) = 30.36\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.69) = 30.38\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.88) = 30.39\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.42) = 29.90\text{ dBm} > 24\text{ dBm}$

Chain 2

- $11\text{dBm} + 10\log(86.16) = 30.35\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.49) = 30.37\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.30) = 30.36\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5647.44) = 29.90\text{ dBm} > 24\text{ dBm}$

Chain 3

- $11\text{dBm} + 10\log(86.80) = 30.39\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.82) = 30.39\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(86.44) = 30.37\text{ dBm} > 24\text{ dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5645.46) = 30.01\text{ dBm} > 24\text{ dBm}$

26dB Bandwidth:

Mode A1

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	19.99	19.89	20.21	19.61
60	5300	20.13	19.87	20.31	19.67
64	5320	20.10	19.89	19.92	19.97
100	5500	20.03	19.70	20.19	19.59
116	5580	20.27	19.87	20.14	19.58
140	5700	19.95	19.54	20.09	20.07
144	5720 For U-NII-2C	15.13	14.98	15.10	14.83
144	5720 For U-NII-3	4.78	4.81	4.90	4.94

802.11n (HT20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	20.72	20.79	20.69	20.43
60	5300	20.85	20.74	20.53	20.51
64	5320	20.98	20.82	21.01	20.60
100	5500	20.83	20.62	21.15	20.59
116	5580	20.69	20.95	20.72	20.64
140	5700	20.68	20.84	20.67	20.89
144	5720 For U-NII-2C	15.46	15.43	15.26	15.35
144	5720 For U-NII-3	5.38	5.27	5.25	5.42

802.11n (HT40)

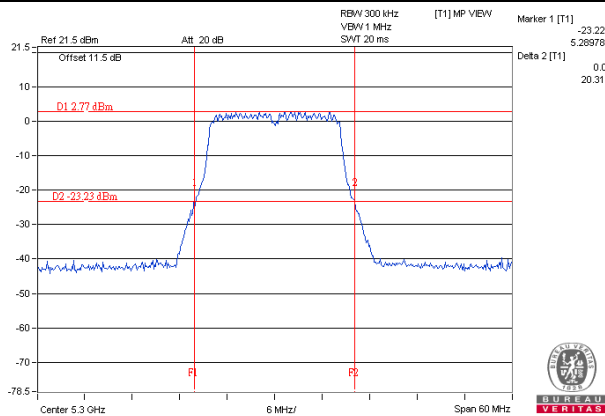
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	41.05	40.85	40.49	40.79
62	5310	40.99	40.80	40.45	40.59
102	5510	40.86	40.49	40.38	40.46
110	5550	40.77	40.67	40.45	40.34
134	5670	40.69	40.81	40.59	40.48
142	5710 For U-NII-2C	35.47	35.34	35.38	35.21
142	5710 For U-NII-3	5.36	5.23	5.20	5.26

802.11ac (VHT80)

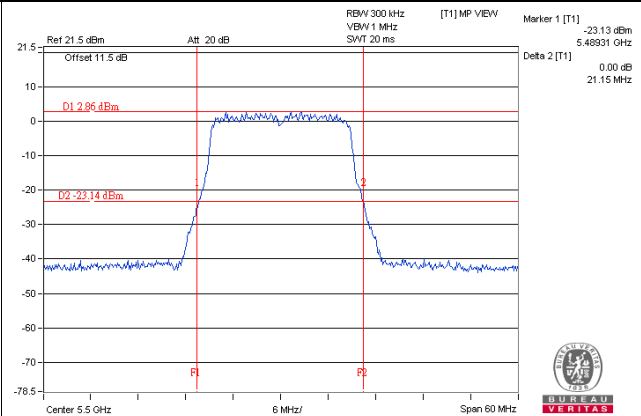
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	85.82	85.25	84.89	85.28
106	5530	86.29	85.80	85.43	85.19
122	5610	85.69	85.78	85.11	84.94
138	5690 For U-NII-2C	77.47	77.77	77.06	77.46
138	5690 For U-NII-3	8.01	7.27	7.41	7.39

Spectrum Plot of Worst Value

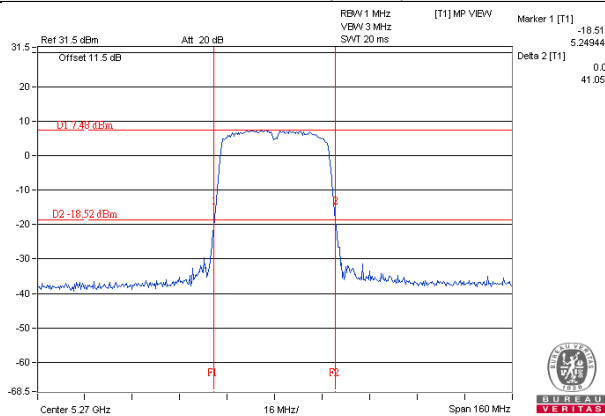
802.11a



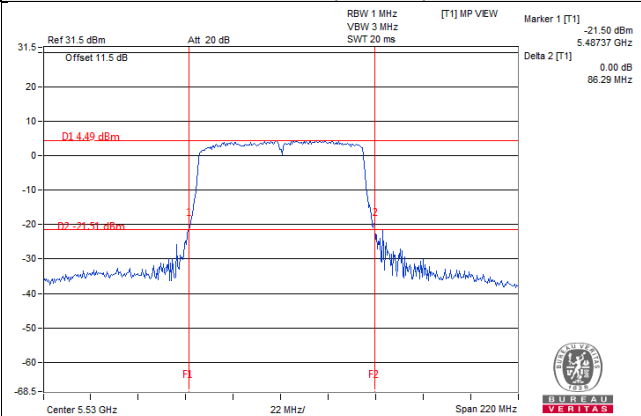
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode A2

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	19.98	20.13	19.84	19.86
60	5300	20.08	19.87	20.15	19.99
64	5320	20.18	20.20	20.18	19.69
100	5500	20.14	20.36	20.23	19.75
116	5580	19.82	20.24	19.89	19.93
140	5700	20.23	20.15	19.85	19.79
144	5720 For U-NII-2C	14.98	15.19	14.80	14.86
144	5720 For U-NII-3	5.06	5.01	4.87	4.96

802.11n (HT20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	20.87	20.67	20.71	20.40
60	5300	20.97	20.78	20.86	20.56
64	5320	21.16	20.86	20.82	20.81
100	5500	20.83	21.12	20.76	20.48
116	5580	20.84	21.10	20.70	20.71
140	5700	21.02	21.04	20.75	20.77
144	5720 For U-NII-2C	15.46	15.43	15.32	15.29
144	5720 For U-NII-3	5.61	5.35	5.44	5.50

802.11n (HT40)

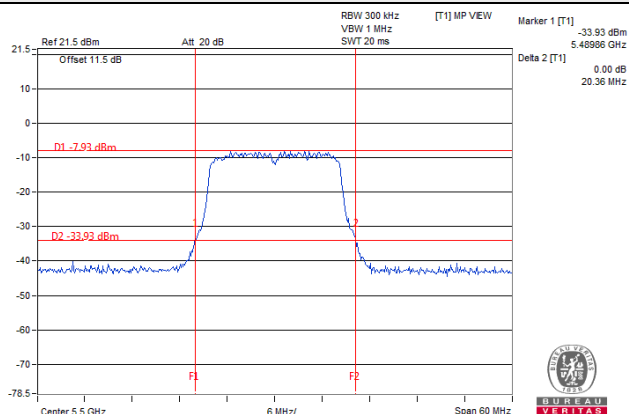
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	41.27	41.00	40.54	40.68
62	5310	40.93	41.17	40.77	40.60
102	5510	41.02	40.82	40.43	40.60
110	5550	40.88	40.88	40.76	40.61
134	5670	41.11	41.05	40.57	40.70
142	5710 For U-NII-2C	35.40	35.19	35.27	35.20
142	5710 For U-NII-3	5.70	5.35	5.45	5.31

802.11ac (VHT80)

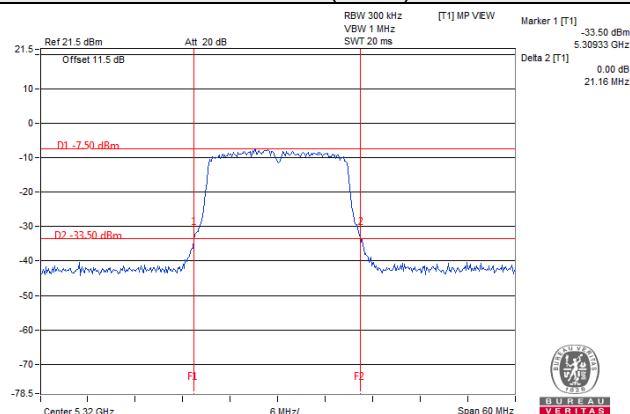
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	86.01	85.98	85.13	85.28
106	5530	86.71	85.69	86.36	85.16
122	5610	86.95	85.54	85.20	84.52
138	5690 For U-NII-2C	83.86	77.65	77.41	77.33
138	5690 For U-NII-3	8.45	8.35	7.97	7.72

Spectrum Plot of Worst Value

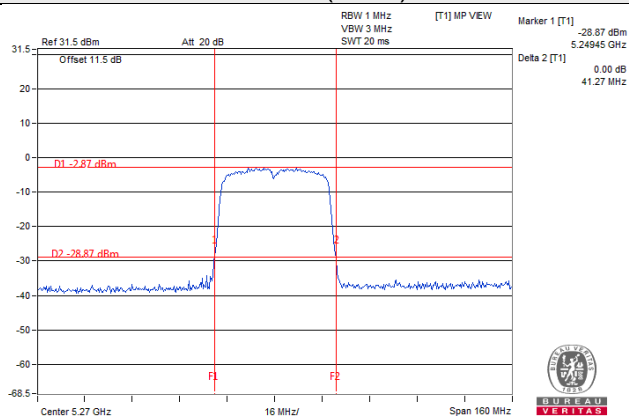
802.11a



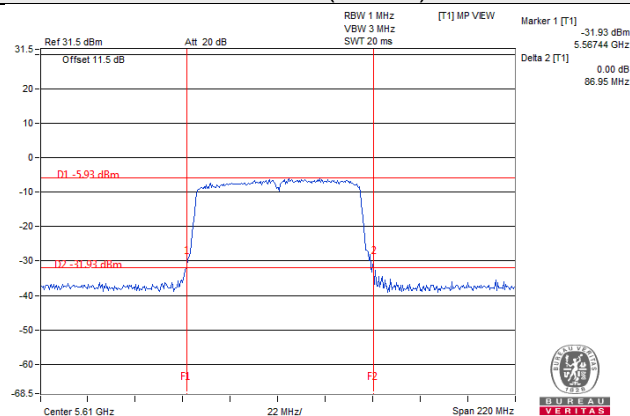
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode B1

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	20.19	20.12	19.92	19.69
60	5300	19.96	20.09	20.03	19.44
64	5320	20.25	19.90	20.09	19.53
100	5500	20.02	19.62	19.92	19.73
116	5580	20.12	19.98	19.66	19.89
140	5700	20.04	19.86	19.89	19.91
144	5720 For U-NII-2C	15.04	15.11	15.02	15.01
144	5720 For U-NII-3	5.05	5.13	4.71	5.04

802.11n (HT20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	20.80	20.54	20.77	20.65
60	5300	20.85	20.54	21.01	20.51
64	5320	20.96	20.66	21.06	20.69
100	5500	21.06	20.83	20.85	21.02
116	5580	21.18	21.01	20.57	20.82
140	5700	20.62	21.05	20.61	20.84
144	5720 For U-NII-2C	15.37	15.47	15.34	15.57
144	5720 For U-NII-3	5.51	5.40	5.29	5.41

802.11n (HT40)

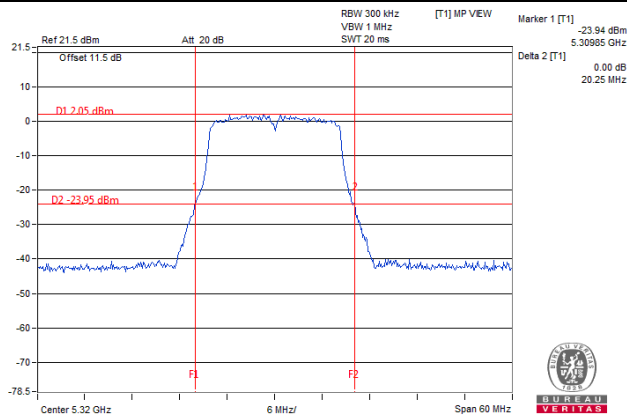
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	40.56	40.71	40.59	40.45
62	5310	40.81	40.64	40.70	40.60
102	5510	40.85	40.67	40.55	40.61
110	5550	40.76	40.96	40.62	40.37
134	5670	40.81	40.70	40.52	40.36
142	5710 For U-NII-2C	35.37	35.46	35.16	35.41
142	5710 For U-NII-3	5.27	5.34	5.41	5.22

802.11ac (VHT80)

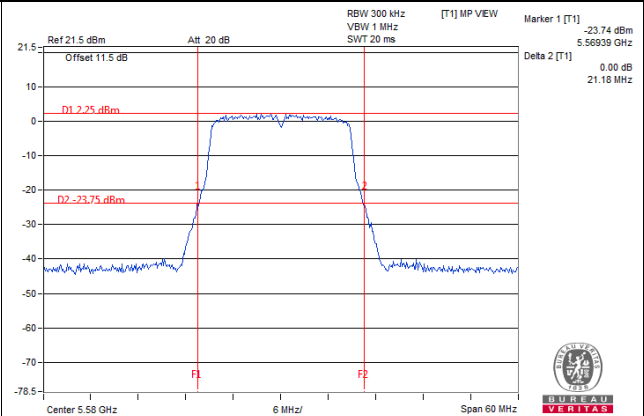
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	86.08	86.42	84.38	84.86
106	5530	85.76	86.02	84.53	84.03
122	5610	85.49	85.28	98.61	87.08
138	5690 For U-NII-2C	77.86	77.38	77.73	78.14
138	5690 For U-NII-3	9.47	7.97	7.37	7.17

Spectrum Plot of Worst Value

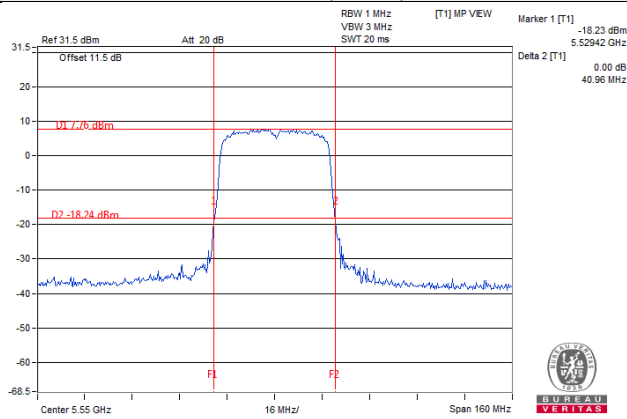
802.11a



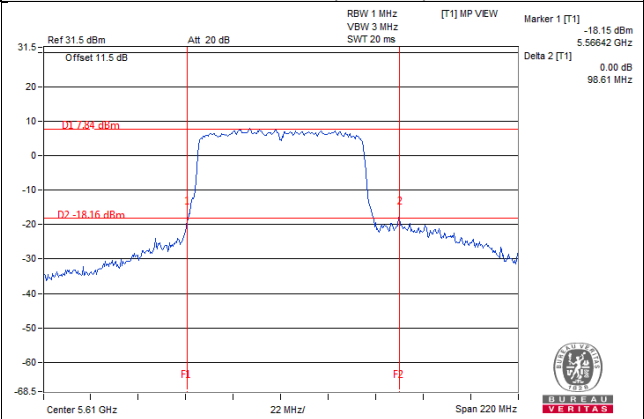
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode B2

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	20.31	19.95	20.30	20.01
60	5300	20.41	20.29	20.45	20.12
64	5320	20.22	20.18	19.73	19.89
100	5500	20.30	20.30	19.93	20.07
116	5580	19.95	20.32	19.67	20.12
140	5700	20.22	20.44	19.77	20.33
144	5720 For U-NII-2C	15.19	15.22	15.21	15.16
144	5720 For U-NII-3	5.20	4.79	5.20	5.06

802.11n (HT20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	20.75	20.77	20.77	20.61
60	5300	20.64	20.73	20.83	20.52
64	5320	20.69	20.84	21.00	20.65
100	5500	20.54	20.89	20.95	20.62
116	5580	20.56	20.73	20.67	20.68
140	5700	20.92	20.73	20.66	20.75
144	5720 For U-NII-2C	15.29	15.42	15.39	15.45
144	5720 For U-NII-3	5.42	5.37	5.38	5.33

802.11n (HT40)

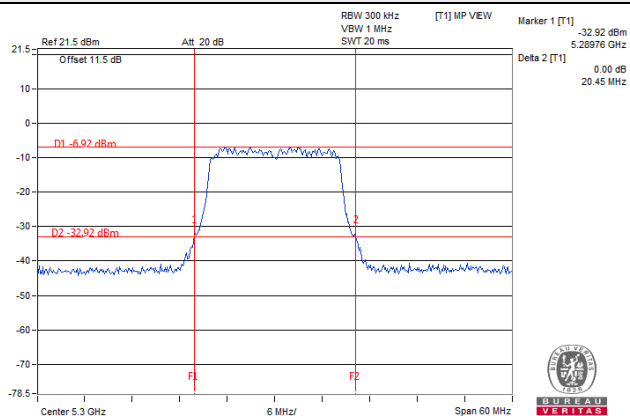
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	40.83	41.01	40.68	40.93
62	5310	41.00	41.12	40.88	40.79
102	5510	40.98	40.96	40.69	40.75
110	5550	40.93	40.94	40.66	40.55
134	5670	40.87	41.11	40.66	40.53
142	5710 For U-NII-2C	35.36	35.37	35.28	35.21
142	5710 For U-NII-3	5.51	5.53	5.41	5.30

802.11ac (VHT80)

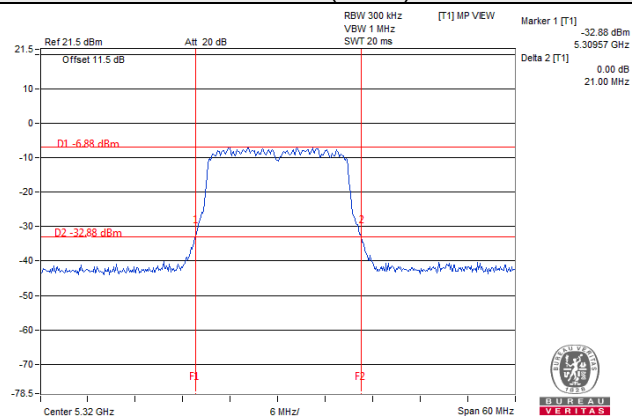
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	86.25	86.33	86.16	86.80
106	5530	88.93	86.69	86.49	86.82
122	5610	86.22	86.88	86.30	86.44
138	5690 For U-NII-2C	78.40	77.58	77.56	79.54
138	5690 For U-NII-3	8.53	8.88	8.00	8.41

Spectrum Plot of Worst Value

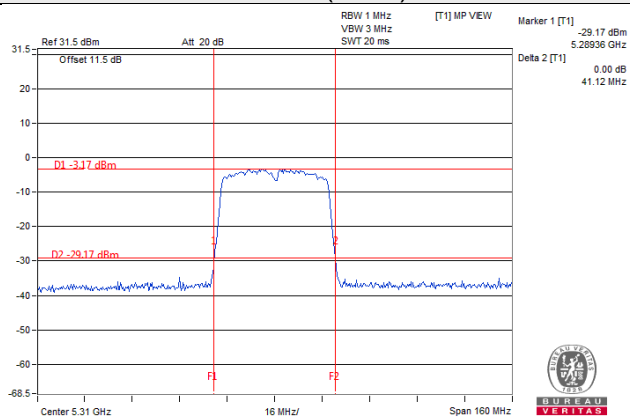
802.11a



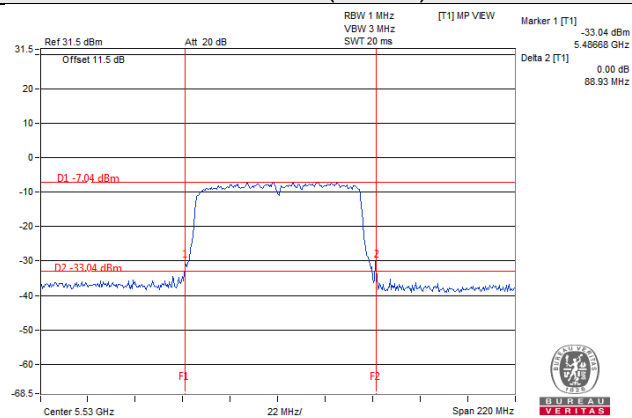
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



EUT Maximum Conducted Power

Mode A1

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	52.010	17.16
5470~5725	53.827	17.31

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	57.817	17.62
5470~5725	55.539	17.45

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	90.387	19.56
5470~5725	94.757	19.77

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	42.249	16.26
5470~5725	136.723	21.36

Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	14.454	11.60
5470~5725	13.885	11.43

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	22.597	13.54
5470~5725	23.689	13.75

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	10.562	10.24
5470~5725	34.181	15.34

Mode A2

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	5.001	6.99
5470~5725	4.941	6.94

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	4.989	6.98
5470~5725	4.946	6.94

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	6.467	8.11
5470~5725	6.466	8.11

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	6.895	8.39
5470~5725	6.970	8.43

Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	1.247	0.96
5470~5725	1.237	0.92

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	1.617	2.09
5470~5725	1.617	2.09

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	1.724	2.36
5470~5725	1.743	2.41

Mode B1

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	46.407	16.67
5470~5725	50.210	17.01

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	48.443	16.85
5470~5725	63.529	18.03

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	84.859	19.29
5470~5725	89.876	19.54

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	39.918	16.01
5470~5725	136.723	21.36

Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	12.111	10.83
5470~5725	15.882	12.01

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	21.215	13.27
5470~5725	22.469	13.52

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	9.979	9.99
5470~5725	34.181	15.34

Mode B2

CDD Mode

802.11a

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	5.211	7.17
5470~5725	5.319	7.26

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	5.337	7.27
5470~5725	5.395	7.32

802.11n (HT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	6.838	8.35
5470~5725	6.925	8.40

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	6.788	8.32
5470~5725	6.511	8.14

Beamforming Mode

802.11n (HT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	1.334	1.25
5470~5725	1.349	1.30

802.11n (HT40)

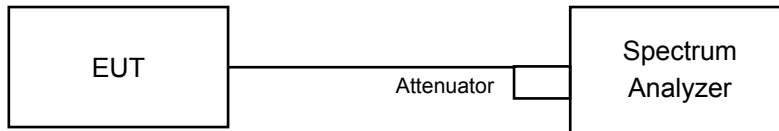
Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	1.710	2.33
5470~5725	1.731	2.38

802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	1.697	2.30
5470~5725	1.628	2.12

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	Chain 2	Chain 3
52	5260	16.44	16.44	16.56	16.44
60	5300	16.44	16.44	16.56	16.44
64	5320	16.44	16.44	16.56	16.44
100	5500	16.44	16.56	16.44	16.44
116	5580	16.56	16.44	16.56	16.44
140	5700	16.44	16.56	16.44	16.56
144	5720 For U-NII-2C	13.16	13.16	13.16	13.16
144	5720 For U-NII-3	3.16	3.16	3.16	3.16

802.11n (HT20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	17.64	17.64	17.64	17.64
60	5300	17.64	17.64	17.64	17.64
64	5320	17.64	17.64	17.64	17.64
100	5500	17.64	17.64	17.64	17.64
116	5580	17.64	17.64	17.64	17.64
140	5700	17.64	17.64	17.64	17.64
144	5720 For U-NII-2C	13.88	13.88	13.88	13.76
144	5720 For U-NII-3	3.76	3.76	3.76	3.76

802.11n (HT40)

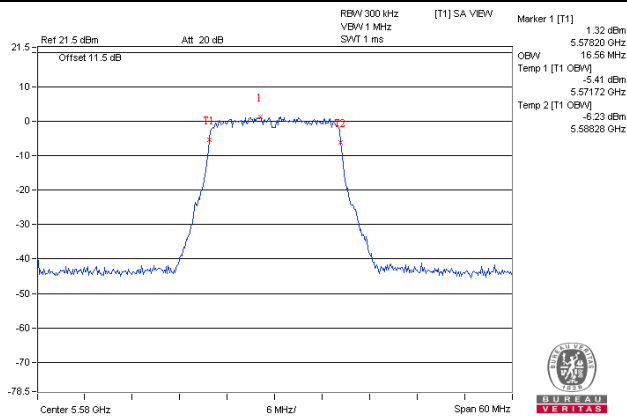
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	36.12	36.12	36.00	36.24
62	5310	36.12	36.12	36.12	36.12
102	5510	36.12	36.00	36.12	36.00
110	5550	36.12	36.00	36.12	36.12
134	5670	36.00	36.00	36.00	36.00
142	5710 For U-NII-2C	33.12	33.12	33.12	33.00
142	5710 For U-NII-3	3.00	3.00	3.00	3.00

802.11ac (VHT80)

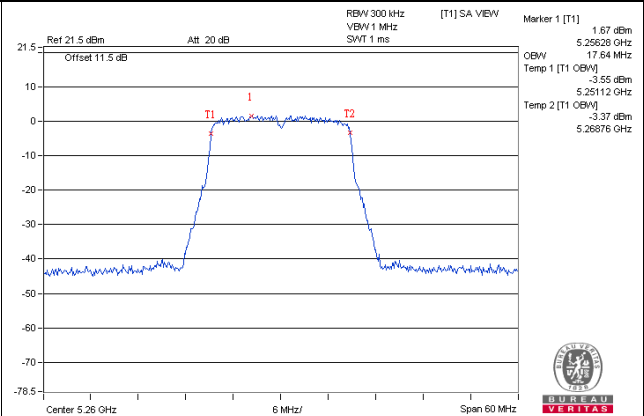
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	75.84	75.84	75.84	76.08
106	5530	75.84	75.84	75.84	75.84
122	5610	75.84	75.84	76.32	75.84
138	5690 For U-NII-2C	72.92	72.92	72.92	72.92
138	5690 For U-NII-3	2.92	2.92	2.92	2.92

Spectrum Plot of Worst Value

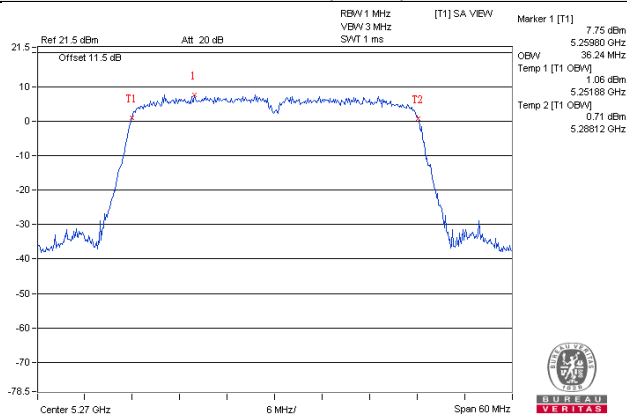
802.11a



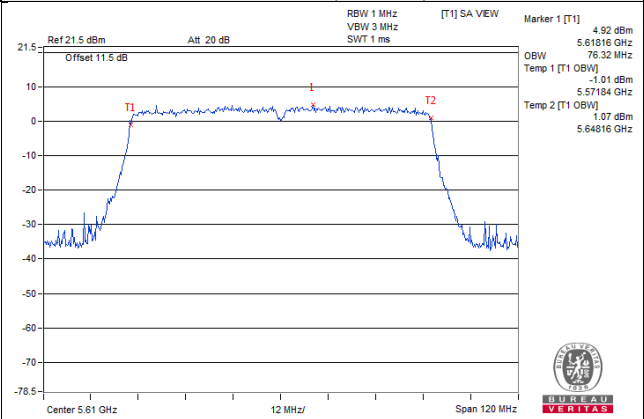
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode A2

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	16.56	16.56	16.56	16.56
60	5300	16.56	16.56	16.56	16.56
64	5320	16.56	16.56	16.56	16.56
100	5500	16.56	16.56	16.56	16.44
116	5580	16.56	16.56	16.56	16.56
140	5700	16.56	16.56	16.56	16.56
144	5720 For U-NII-2C	13.16	13.16	13.16	13.16
144	5720 For U-NII-3	3.16	3.16	3.16	3.16

802.11n (HT20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	17.64	17.64	17.76	17.64
60	5300	17.64	17.64	17.76	17.64
64	5320	17.76	17.64	17.76	17.64
100	5500	17.76	17.76	17.76	17.64
116	5580	17.76	17.76	17.76	17.64
140	5700	17.64	17.76	17.64	17.76
144	5720 For U-NII-2C	13.76	13.76	13.76	13.76
144	5720 For U-NII-3	3.76	3.76	3.76	3.76

802.11n (HT40)

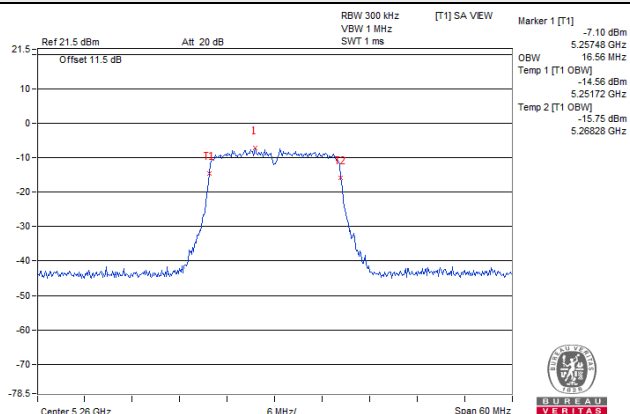
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	36.12	36.24	36.12	36.12
62	5310	36.00	36.12	36.00	36.12
102	5510	36.12	36.12	36.12	36.12
110	5550	36.12	36.12	36.12	36.12
134	5670	36.12	36.00	36.12	36.00
142	5710 For U-NII-2C	33.12	33.12	33.00	33.00
142	5710 For U-NII-3	3.12	3.12	3.12	3.12

802.11ac (VHT80)

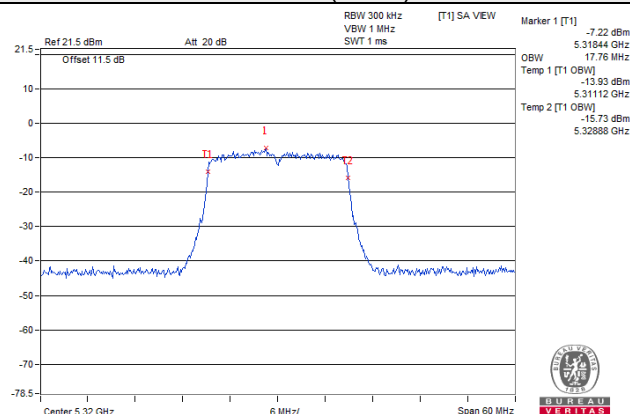
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	75.84	75.84	75.84	75.84
106	5530	76.08	76.08	76.08	75.84
122	5610	76.08	75.84	76.08	75.84
138	5690 For U-NII-2C	72.92	72.92	72.92	72.92
138	5690 For U-NII-3	2.92	2.92	3.16	3.16

Spectrum Plot of Worst Value

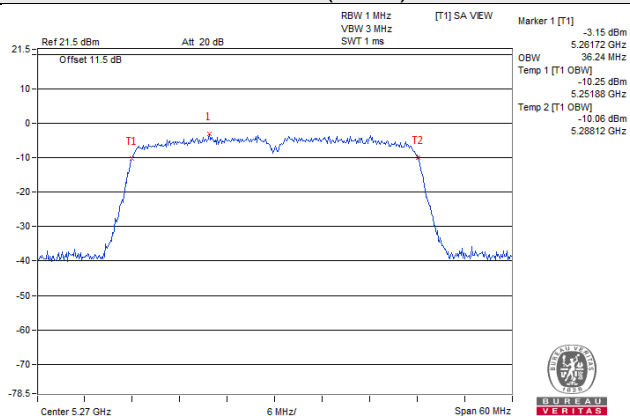
802.11a



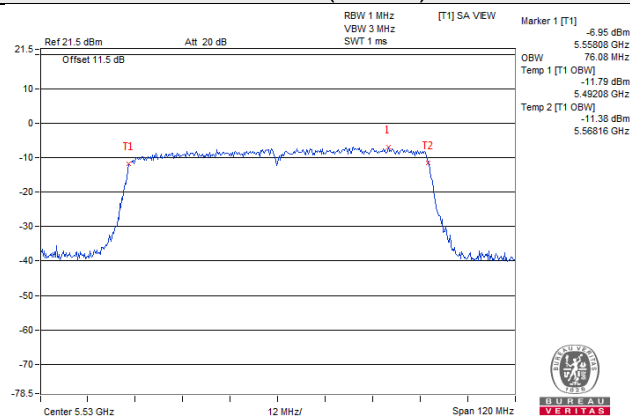
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode B1

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	16.44	16.44	16.44	16.44
60	5300	16.44	16.44	16.56	16.44
64	5320	16.44	16.56	16.44	16.44
100	5500	16.44	16.44	16.44	16.44
116	5580	16.44	16.44	16.44	16.44
140	5700	16.44	16.44	16.44	16.44
144	5720 For U-NII-2C	13.16	13.16	13.16	13.28
144	5720 For U-NII-3	3.16	3.16	3.16	3.16

802.11n (HT20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	17.64	17.64	17.64	17.64
60	5300	17.64	17.64	17.64	17.64
64	5320	17.64	17.64	17.64	17.64
100	5500	17.64	17.64	17.64	17.64
116	5580	17.64	17.64	17.64	17.64
140	5700	17.64	17.64	17.64	17.64
144	5720 For U-NII-2C	13.88	13.88	13.88	13.88
144	5720 For U-NII-3	3.76	3.76	3.76	3.76

802.11n (HT40)

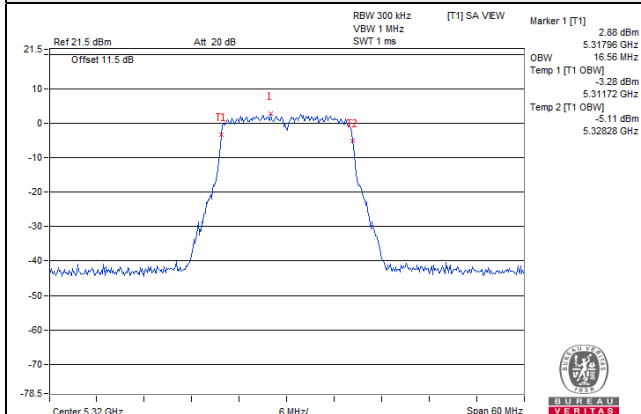
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	36.12	36.12	36.00	36.12
62	5310	36.12	36.00	36.00	36.12
102	5510	36.12	36.12	36.00	36.12
110	5550	36.12	36.12	36.12	36.00
134	5670	36.12	36.00	36.12	36.00
142	5710 For U-NII-2C	33.12	33.12	33.12	33.12
142	5710 For U-NII-3	3.00	3.00	3.00	3.00

802.11ac (VHT80)

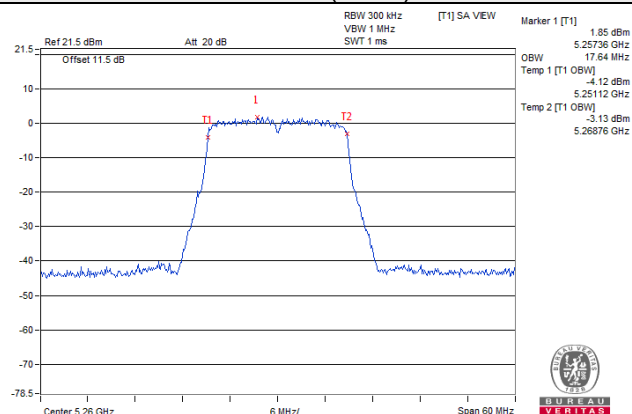
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	75.84	76.08	75.84	75.60
106	5530	75.84	75.84	75.84	75.84
122	5610	76.32	76.32	76.56	76.32
138	5690 For U-NII-2C	73.16	72.92	72.92	72.92
138	5690 For U-NII-3	2.92	2.92	2.92	2.68

Spectrum Plot of Worst Value

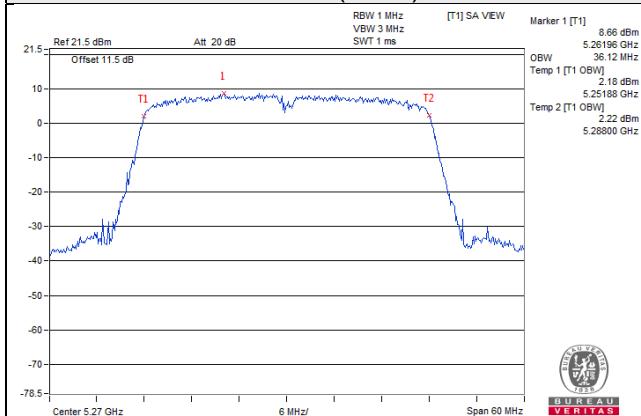
802.11a



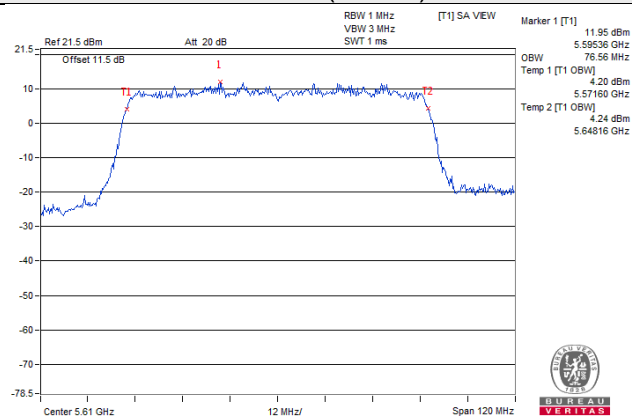
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode B2

802.11a

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	16.56	16.56	16.56	16.43
60	5300	16.56	16.56	16.56	16.44
64	5320	16.56	16.56	16.44	16.44
100	5500	16.44	16.44	16.56	16.44
116	5580	16.44	16.56	16.44	16.44
140	5700	16.56	16.44	16.44	16.44
144	5720 For U-NII-2C	13.16	13.28	13.28	13.28
144	5720 For U-NII-3	3.16	3.16	3.16	3.16

802.11n (HT20)

Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
52	5260	17.64	17.64	17.64	17.64
60	5300	17.64	17.64	17.64	17.64
64	5320	17.64	17.64	17.64	17.64
100	5500	17.64	17.64	17.64	17.64
116	5580	17.64	17.64	17.64	17.64
140	5700	17.64	17.64	17.64	17.64
144	5720 For U-NII-2C	13.76	13.88	13.88	13.88
144	5720 For U-NII-3	3.76	3.76	3.76	3.76

802.11n (HT40)

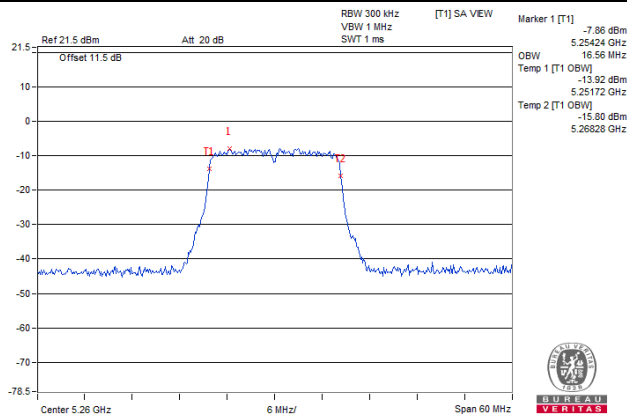
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
54	5270	36.00	36.12	36.00	36.12
62	5310	36.00	36.12	36.00	36.12
102	5510	36.12	36.00	36.00	36.00
110	5550	36.12	36.12	36.00	36.00
134	5670	36.00	36.00	36.12	36.00
142	5710 For U-NII-2C	33.00	33.00	33.00	33.00
142	5710 For U-NII-3	3.12	3.12	3.00	3.00

802.11ac (VHT80)

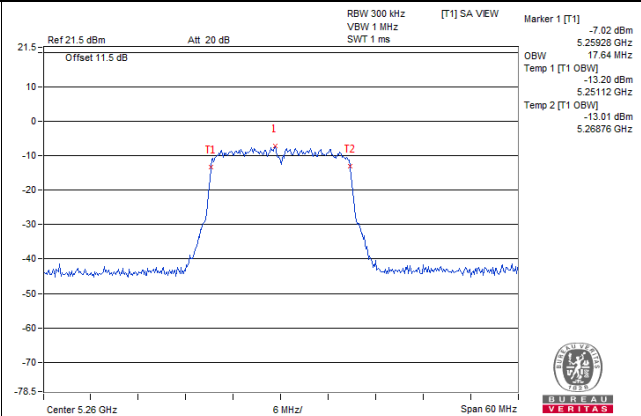
Chan.	Freq. (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
58	5290	76.08	76.08	75.84	76.08
106	5530	76.08	75.84	75.84	75.84
122	5610	75.84	75.84	76.08	76.08
138	5690 For U-NII-2C	72.92	72.92	72.92	72.92
138	5690 For U-NII-3	2.92	2.92	2.92	2.92

Spectrum Plot of Worst Value

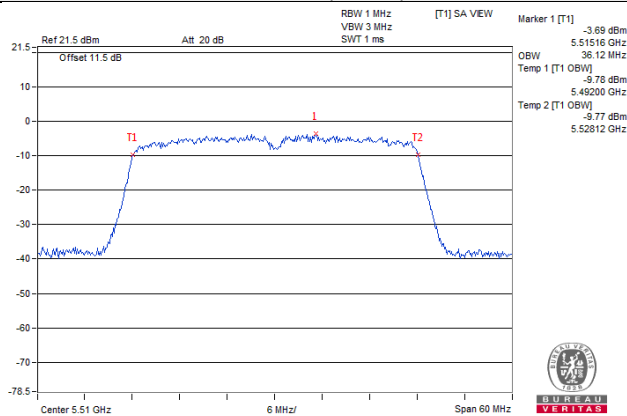
802.11a



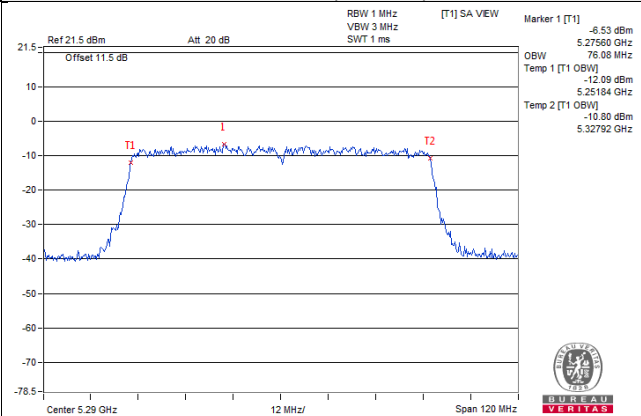
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)

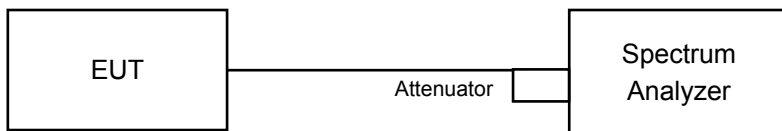


4.5 Peak Power Spectral Density Measurement

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 $\text{BWCF} = 10\log(500 \text{ kHz} / 300 \text{ kHz})$.
- 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 $\text{BWCF} = 10\log(500 \text{ kHz} / 300 \text{ kHz})$.
- 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 A1

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

802.11a

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
52	5260	-2.74	-3.08	-2.71	-2.71	3.21	0.21	3.42	3.98	Pass
60	5300	-2.66	-2.99	-2.59	-2.87	3.24	0.21	3.45	3.98	Pass
64	5320	-2.94	-2.73	-2.67	-3.02	3.18	0.21	3.39	3.98	Pass
100	5500	-2.58	-2.64	-2.44	-2.06	3.60	0.21	3.81	3.98	Pass
116	5580	-2.50	-2.55	-3.13	-2.57	3.34	0.21	3.55	3.98	Pass
140	5700	-2.89	-2.66	-2.00	-2.50	3.52	0.21	3.73	3.98	Pass
144	5720 For U-NII-2C	-2.66	-2.64	-2.14	-2.26	3.60	0.21	3.81	3.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.02 - 6) = 3.98\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3			
52	5260	-2.58	-2.97	-2.64	-2.63	3.32	3.98	Pass
60	5300	-2.86	-3.05	-2.36	-2.62	3.31	3.98	Pass
64	5320	-2.77	-2.47	-1.98	-2.40	3.62	3.98	Pass
100	5500	-2.36	-2.34	-2.48	-2.18	3.68	3.98	Pass
116	5580	-2.35	-2.58	-2.99	-2.68	3.38	3.98	Pass
140	5700	-1.72	-2.44	-1.84	-3.12	3.78	3.98	Pass
144	5720 For U-NII-2C	-2.15	-2.52	-1.95	-2.86	3.66	3.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.02 - 6) = 3.98\text{dBm}$.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
54	5270	-2.98	-3.24	-2.99	-3.19	2.92	0.13	3.05	3.98	Pass
62	5310	-2.84	-2.95	-2.27	-2.70	3.34	0.13	3.47	3.98	Pass
102	5510	-4.17	-4.21	-4.52	-4.03	1.79	0.13	1.92	3.98	Pass
110	5550	-4.60	-4.77	-4.91	-4.36	1.36	0.13	1.49	3.98	Pass
134	5670	-4.50	-5.78	-4.58	-6.20	0.82	0.13	0.95	3.98	Pass
142	5710 For U-NII-2 C	-4.40	-4.97	-4.57	-5.44	1.19	0.13	1.32	3.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.02 - 6) = 3.98\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

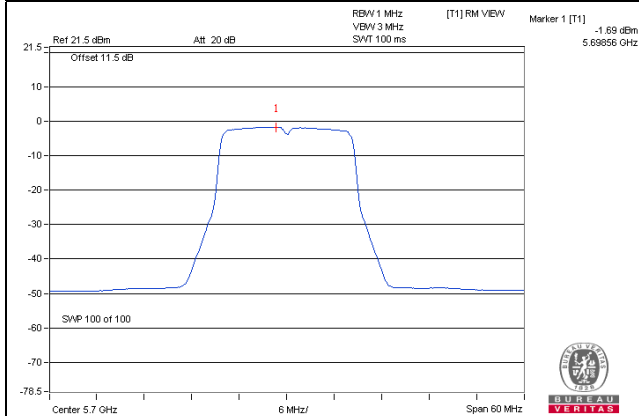
Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
58	5290	-5.49	-5.50	-5.49	-5.88	0.43	0.26	0.69	3.98	Pass
106	5530	-6.41	-6.14	-6.64	-6.17	-0.32	0.26	-0.06	3.98	Pass
122	5610	-5.78	-5.69	-6.38	-6.53	-0.06	0.26	0.20	3.98	Pass
138	5690 For U-NII-2 C	-5.55	-6.01	-5.44	-6.39	0.19	0.26	0.45	3.98	Pass

Note:

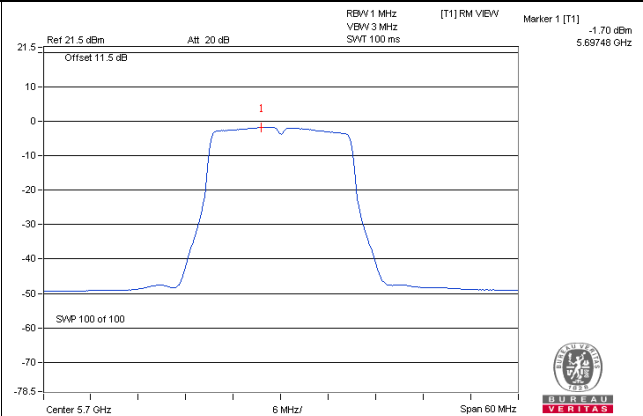
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.02 - 6) = 3.98\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

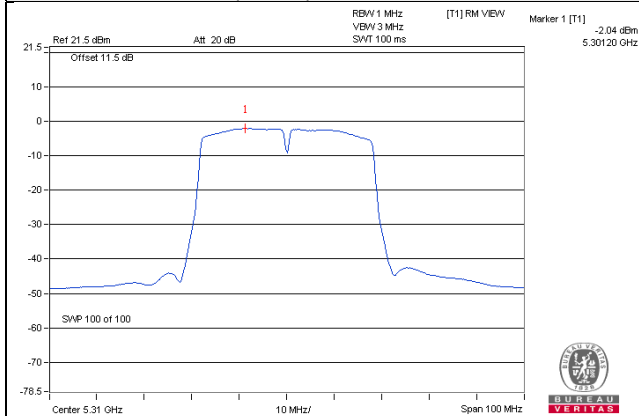
802.11a / Chain 2 / CH 140



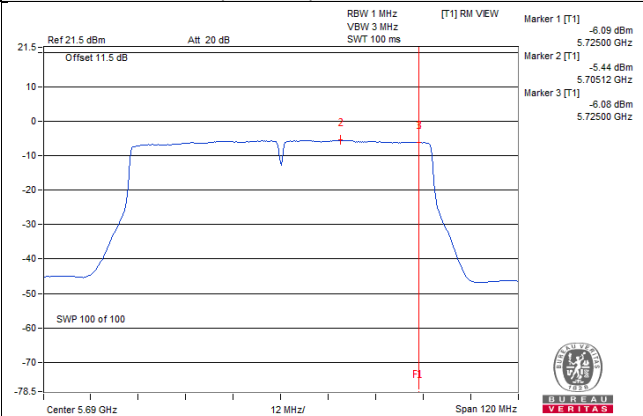
802.11n (HT20) / Chain 0 / CH 140



802.11n (HT40) / Chain 2 / CH 62



802.11ac (VHT80) / Chain 2 / CH 138



For U-NII-3 Band

802.11a

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) 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	-11.34	-9.12	6.02	0.21	-2.89	22.98	Pass
1	144	5720 For U-NII-3	-11.40	-9.18	6.02	0.21	-2.95	22.98	Pass
2	144	5720 For U-NII-3	-10.98	-8.76	6.02	0.21	-2.53	22.98	Pass
3	144	5720 For U-NII-3	-11.06	-8.84	6.02	0.21	-2.61	22.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.
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=4) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	144	5720 For U-NII-3	-11.43	-9.21	6.02	-3.19	22.98	Pass
1	144	5720 For U-NII-3	-11.51	-9.29	6.02	-3.27	22.98	Pass
2	144	5720 For U-NII-3	-11.11	-8.89	6.02	-2.87	22.98	Pass
3	144	5720 For U-NII-3	-11.13	-8.91	6.02	-2.89	22.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.

802.11n (HT40)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) 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	-15.65	-13.43	6.02	0.13	-7.28	22.98	Pass
1	142	5710 For U-NII-3	-16.10	-13.88	6.02	0.13	-7.73	22.98	Pass
2	142	5710 For U-NII-3	-15.26	-13.04	6.02	0.13	-6.89	22.98	Pass
3	142	5710 For U-NII-3	-15.23	-13.01	6.02	0.13	-6.86	22.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

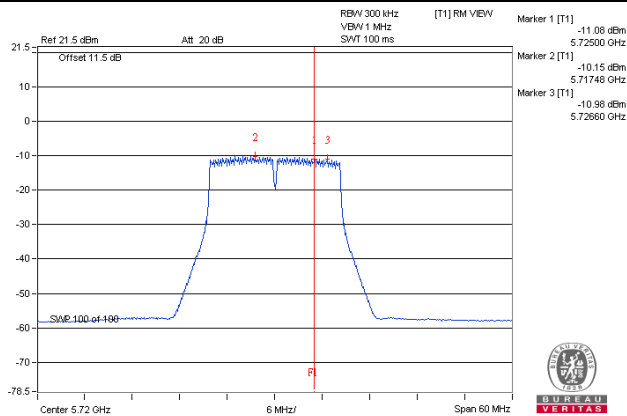
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-15.30	-13.08	6.02	0.26	-6.80	22.98	Pass
1	138	5690 For U-NII-3	-15.92	-13.70	6.02	0.26	-7.42	22.98	Pass
2	138	5690 For U-NII-3	-14.85	-12.63	6.02	0.26	-6.35	22.98	Pass
3	138	5690 For U-NII-3	-16.21	-13.99	6.02	0.26	-7.71	22.98	Pass

Note:

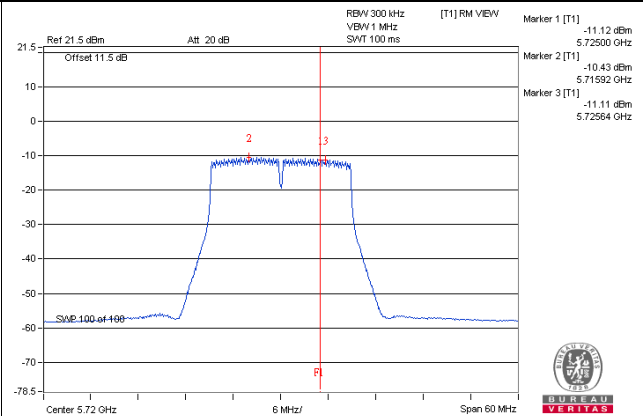
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

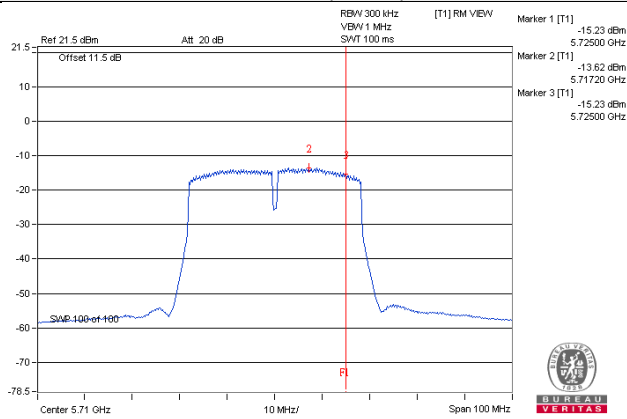
802.11a



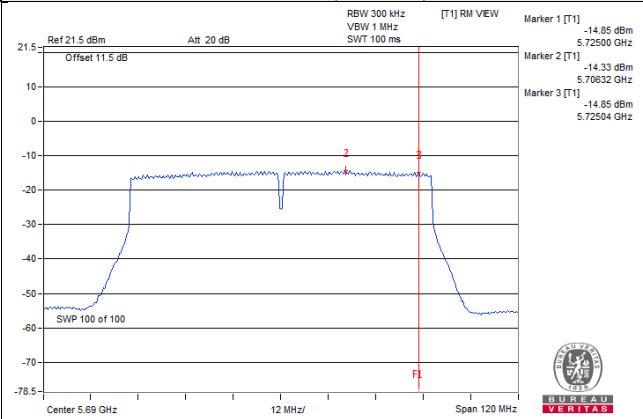
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode A2

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

802.11a

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
52	5260	-12.65	-12.61	-12.55	-12.40	-6.53	0.21	-6.32	-6.27	Pass
60	5300	-12.45	-12.61	-12.37	-12.80	-6.53	0.21	-6.32	-6.27	Pass
64	5320	-12.27	-12.55	-12.53	-13.05	-6.57	0.21	-6.36	-6.27	Pass
100	5500	-12.99	-13.06	-12.95	-12.52	-6.86	0.21	-6.65	-6.27	Pass
116	5580	-12.35	-12.55	-13.31	-12.95	-6.75	0.21	-6.54	-6.27	Pass
140	5700	-12.21	-12.70	-12.51	-13.24	-6.63	0.21	-6.42	-6.27	Pass
144	5720 For U-NII-2C	-12.36	-12.47	-12.57	-13.28	-6.64	0.21	-6.43	-6.27	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11-(23.27-6) = -6.27\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3			
52	5260	-12.17	-12.66	-12.62	-12.46	-6.45	-6.27	Pass
60	5300	-12.09	-12.57	-12.43	-12.80	-6.45	-6.27	Pass
64	5320	-12.45	-12.47	-12.50	-13.18	-6.62	-6.27	Pass
100	5500	-13.02	-13.18	-12.99	-12.47	-6.89	-6.27	Pass
116	5580	-12.39	-12.57	-13.35	-13.10	-6.82	-6.27	Pass
140	5700	-12.35	-12.77	-12.62	-13.28	-6.72	-6.27	Pass
144	5720 For U-NII-2C	-11.80	-12.06	-12.52	-13.08	-6.32	-6.27	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11-(23.27-6) = -6.27\text{dBm}$.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
54	5270	-13.59	-14.09	-14.19	-13.98	-7.94	0.13	-7.81	-6.27	Pass
62	5310	-13.60	-14.18	-14.08	-14.39	-8.03	0.13	-7.90	-6.27	Pass
102	5510	-14.34	-14.55	-14.66	-14.06	-8.38	0.13	-8.25	-6.27	Pass
110	5550	-14.04	-14.32	-14.82	-14.27	-8.33	0.13	-8.20	-6.27	Pass
134	5670	-13.61	-14.68	-13.80	-14.93	-8.20	0.13	-8.07	-6.27	Pass
142	5710 For U-NII-2 C	-14.34	-14.78	-14.85	-15.55	-8.84	0.13	-8.71	-6.27	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11-(23.27-6) = -6.27\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

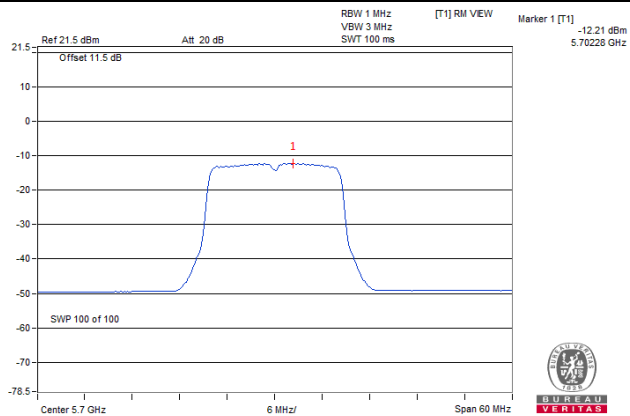
Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
58	5290	-16.94	-17.29	-17.29	-17.33	-11.19	0.26	-10.93	-6.27	Pass
106	5530	-17.51	-17.28	-18.14	-17.51	-11.59	0.26	-11.33	-6.27	Pass
122	5610	-17.21	-17.42	-17.93	-18.01	-11.61	0.26	-11.35	-6.27	Pass
138	5690 For U-NII-2 C	-18.03	-20.18	-19.33	-21.88	-13.61	0.26	-13.35	-6.27	Pass

Note:

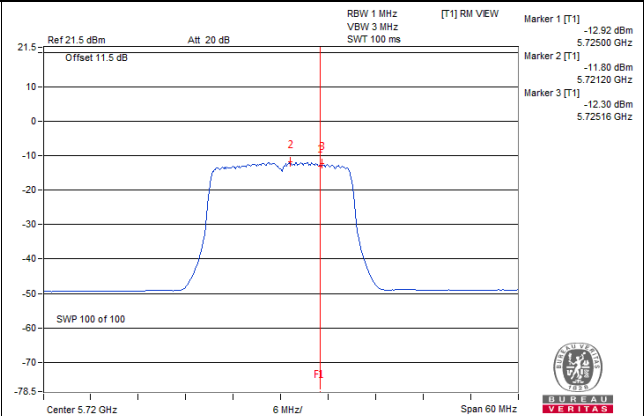
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11-(23.27-6) = -6.27\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

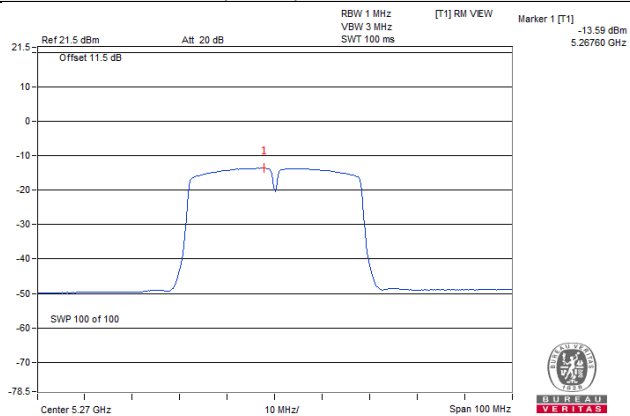
802.11a / Chain 0 / CH 140



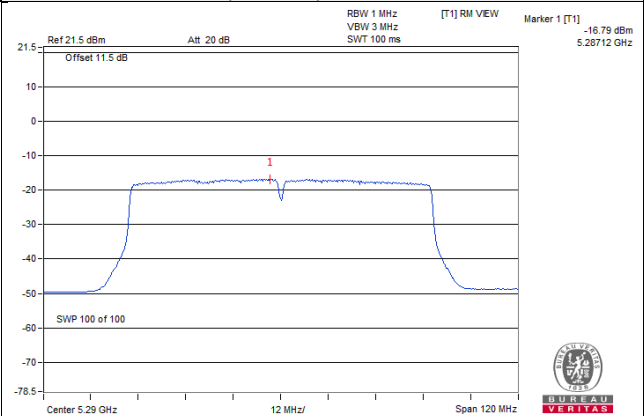
802.11n (HT20) / Chain 0 / CH 144



802.11n (HT40) / Chain 0 / CH 54



802.11ac (VHT80) / Chain 0 / CH 58



For U-NII-3 Band

802.11a

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) 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	-21.10	-18.88	6.02	0.21	-12.65	12.73	Pass
1	144	5720 For U-NII-3	-21.09	-18.87	6.02	0.21	-12.64	12.73	Pass
2	144	5720 For U-NII-3	-21.07	-18.85	6.02	0.21	-12.62	12.73	Pass
3	144	5720 For U-NII-3	-22.03	-19.81	6.02	0.21	-13.58	12.73	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (23.27 - 6) = 12.73\text{dBm}$.
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=4) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	144	5720 For U-NII-3	-20.90	-18.68	6.02	-12.66	12.73	Pass
1	144	5720 For U-NII-3	-21.03	-18.81	6.02	-12.79	12.73	Pass
2	144	5720 For U-NII-3	-20.46	-18.24	6.02	-12.22	12.73	Pass
3	144	5720 For U-NII-3	-21.68	-19.46	6.02	-13.44	12.73	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (23.27 - 6) = 12.73\text{dBm}$.

802.11n (HT40)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) 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	-25.48	-23.26	6.02	0.13	-17.11	12.73	Pass
1	142	5710 For U-NII-3	-25.39	-23.17	6.02	0.13	-17.02	12.73	Pass
2	142	5710 For U-NII-3	-25.45	-23.23	6.02	0.13	-17.08	12.73	Pass
3	142	5710 For U-NII-3	-25.77	-23.55	6.02	0.13	-17.40	12.73	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30-(23.27-6) = 12.73\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

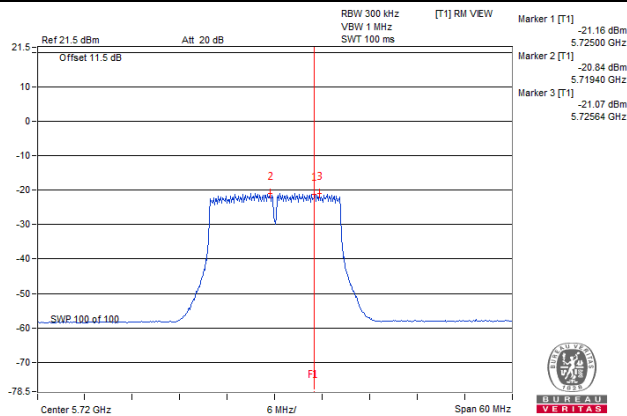
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-28.78	-26.56	6.02	0.26	-20.28	12.73	Pass
1	138	5690 For U-NII-3	-29.50	-27.28	6.02	0.26	-21.00	12.73	Pass
2	138	5690 For U-NII-3	-28.69	-26.47	6.02	0.26	-20.19	12.73	Pass
3	138	5690 For U-NII-3	-30.23	-28.01	6.02	0.26	-21.73	12.73	Pass

Note:

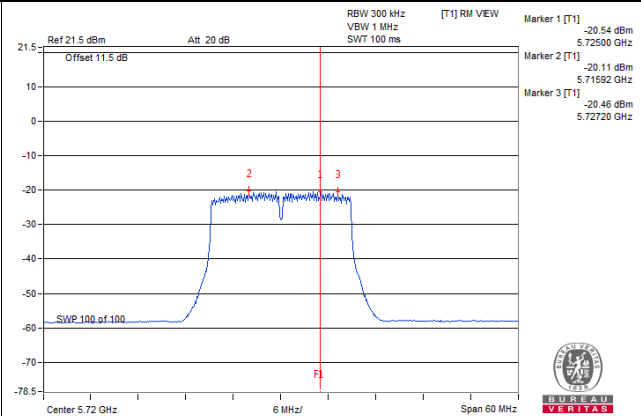
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30-(23.27-6) = 12.73\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

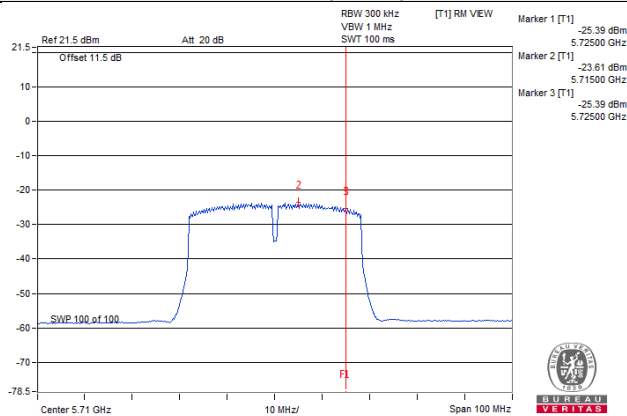
802.11a



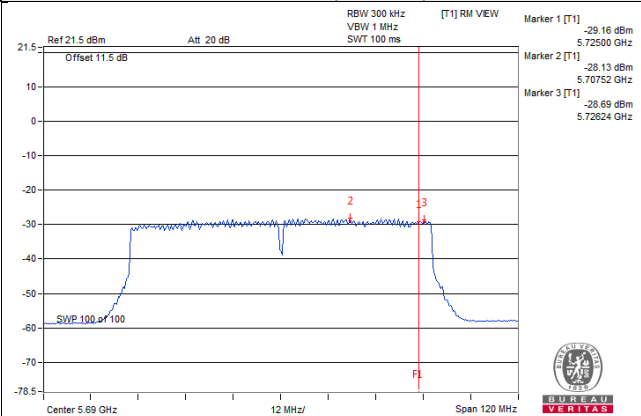
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode B1

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

802.11a

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
52	5260	-2.64	-2.98	-2.24	-1.95	3.58	0.21	3.79	3.98	Pass
60	5300	-2.58	-2.72	-2.23	-2.04	3.64	0.21	3.85	3.98	Pass
64	5320	-2.46	-2.58	-2.39	-1.72	3.75	0.21	3.96	3.98	Pass
100	5500	-1.76	-2.91	-2.01	-2.78	3.68	0.21	3.89	3.98	Pass
116	5580	-2.70	-2.56	-1.95	-2.40	3.63	0.21	3.84	3.98	Pass
140	5700	-2.40	-2.79	-1.99	-1.93	3.76	0.21	3.97	3.98	Pass
144	5720 For U-NII-2C	-2.44	-2.88	-1.95	-1.87	3.75	0.21	3.96	3.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.02 - 6) = 3.98\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3			
52	5260	-2.38	-3.09	-2.15	-2.11	3.61	3.98	Pass
60	5300	-2.28	-2.78	-1.98	-2.04	3.76	3.98	Pass
64	5320	-2.55	-2.50	-2.16	-2.22	3.67	3.98	Pass
100	5500	-2.07	-2.86	-2.05	-2.33	3.71	3.98	Pass
116	5580	-2.54	-2.86	-1.90	-2.28	3.64	3.98	Pass
140	5700	-2.28	-2.86	-1.81	-2.18	3.75	3.98	Pass
144	5720 For U-NII-2C	-2.42	-2.67	-1.80	-2.18	3.77	3.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.02 - 6) = 3.98\text{dBm}$.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
54	5270	-2.33	-3.06	-2.34	-2.17	3.56	0.13	3.69	3.98	Pass
62	5310	-2.69	-2.90	-2.42	-2.43	3.41	0.13	3.54	3.98	Pass
102	5510	-2.33	-2.81	-2.35	-2.66	3.49	0.13	3.62	3.98	Pass
110	5550	-2.64	-2.67	-2.06	-2.63	3.53	0.13	3.66	3.98	Pass
134	5670	-2.28	-3.16	-1.39	-2.47	3.74	0.13	3.87	3.98	Pass
142	5710 For U-NII-2 C	-2.32	-2.57	-1.86	-2.19	3.79	0.13	3.92	3.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.02 - 6) = 3.98\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

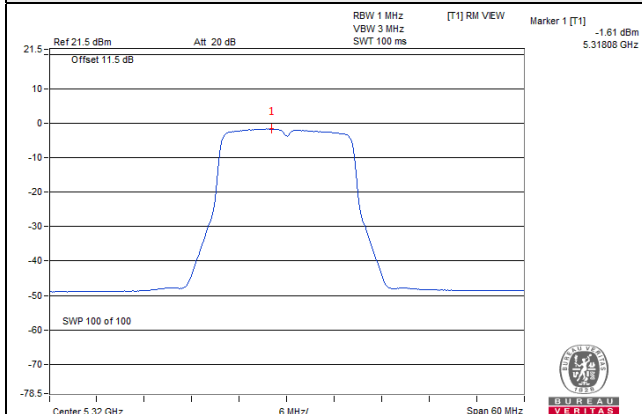
Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
58	5290	-8.52	-8.90	-7.98	-8.31	-2.39	0.26	-2.13	3.98	Pass
106	5530	-10.15	-11.03	-10.28	-10.33	-4.41	0.26	-4.15	3.98	Pass
122	5610	-3.05	-2.96	-2.93	-1.44	3.48	0.26	3.74	3.98	Pass
138	5690 For U-NII-2 C	-6.04	-6.20	-5.13	-5.48	0.33	0.26	0.59	3.98	Pass

Note:

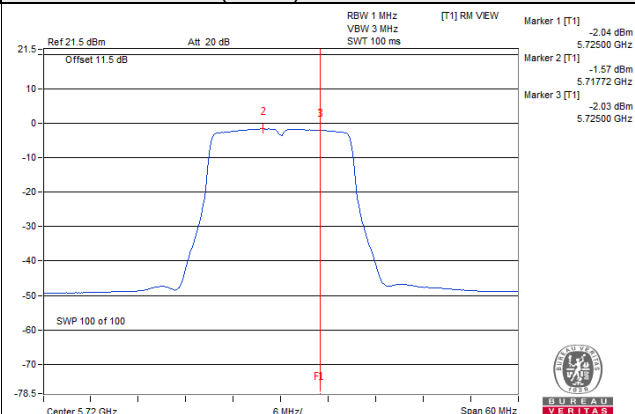
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (13.02 - 6) = 3.98\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

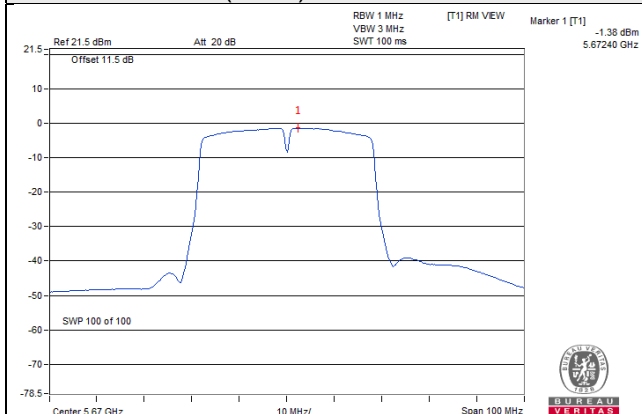
802.11a / Chain 3 / CH 64



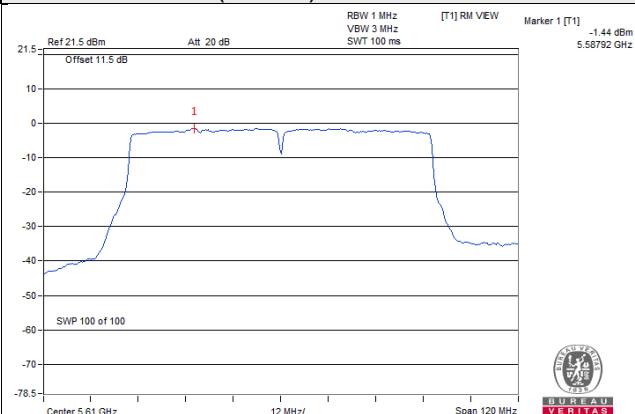
802.11n (HT20) / Chain 2 / CH 144



802.11n (HT40) / Chain 2 / CH 134



802.11ac (VHT80) / Chain 3 / CH 122



For U-NII-3 Band

802.11a

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) 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	-11.10	-8.88	6.02	0.21	-2.65	22.98	Pass
1	144	5720 For U-NII-3	-11.42	-9.20	6.02	0.21	-2.97	22.98	Pass
2	144	5720 For U-NII-3	-10.53	-8.31	6.02	0.21	-2.08	22.98	Pass
3	144	5720 For U-NII-3	-10.34	-8.12	6.02	0.21	-1.89	22.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.
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=4) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	144	5720 For U-NII-3	-11.20	-8.98	6.02	-2.96	22.98	Pass
1	144	5720 For U-NII-3	-11.42	-9.20	6.02	-3.18	22.98	Pass
2	144	5720 For U-NII-3	-10.60	-8.38	6.02	-2.36	22.98	Pass
3	144	5720 For U-NII-3	-10.99	-8.77	6.02	-2.75	22.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.

802.11n (HT40)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) 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	-12.98	-10.76	6.02	0.13	-4.61	22.98	Pass
1	142	5710 For U-NII-3	-12.55	-10.33	6.02	0.13	-4.18	22.98	Pass
2	142	5710 For U-NII-3	-11.90	-9.68	6.02	0.13	-3.53	22.98	Pass
3	142	5710 For U-NII-3	-12.38	-10.16	6.02	0.13	-4.01	22.98	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 = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

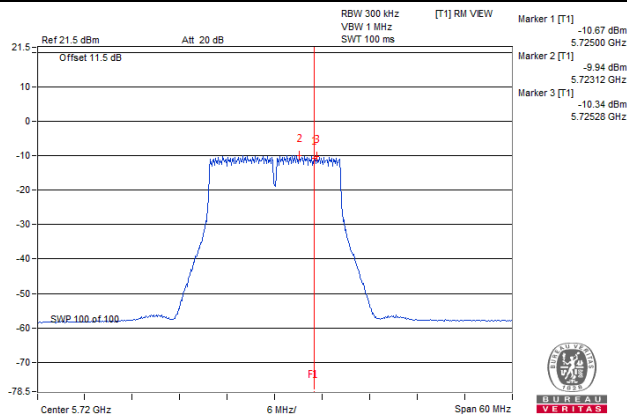
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-16.08	-13.86	6.02	0.26	-7.58	22.98	Pass
1	138	5690 For U-NII-3	-15.87	-13.65	6.02	0.26	-7.37	22.98	Pass
2	138	5690 For U-NII-3	-14.93	-12.71	6.02	0.26	-6.43	22.98	Pass
3	138	5690 For U-NII-3	-15.58	-13.36	6.02	0.26	-7.08	22.98	Pass

Note:

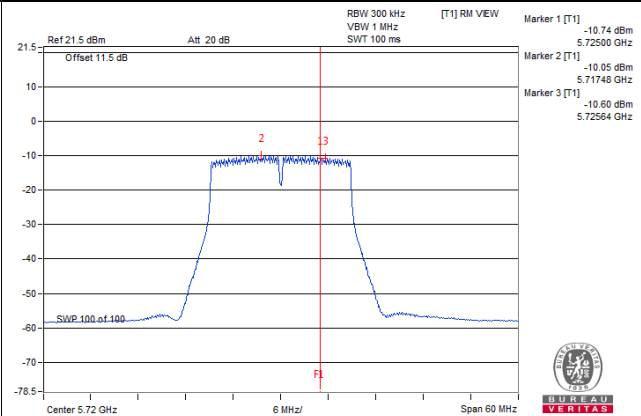
- Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional Gain = $7 + 10\log(4) = 13.02\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (13.02 - 6) = 22.98\text{dBm}$.
- Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

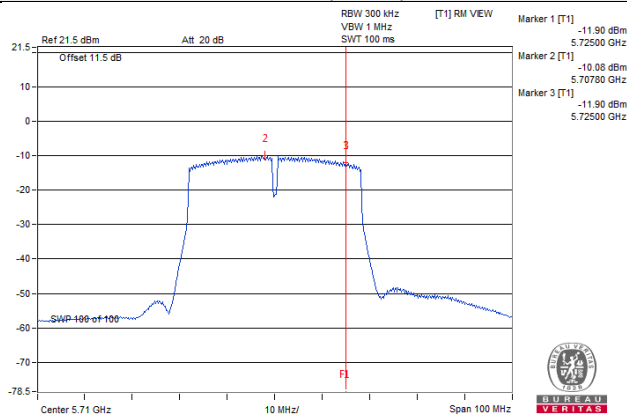
802.11a



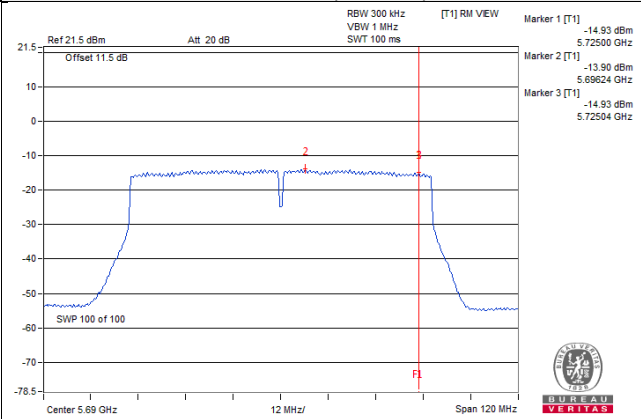
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Mode B2

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

802.11a

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
52	5260	-12.39	-13.57	-12.34	-12.24	-6.58	0.17	-6.41	-6.27	Pass
60	5300	-12.43	-13.29	-12.32	-12.36	-6.56	0.17	-6.39	-6.27	Pass
64	5320	-12.55	-12.97	-12.35	-12.45	-6.55	0.17	-6.38	-6.27	Pass
100	5500	-12.48	-13.70	-12.76	-13.09	-6.96	0.17	-6.79	-6.27	Pass
116	5580	-12.69	-13.95	-12.54	-12.93	-6.98	0.17	-6.81	-6.27	Pass
140	5700	-12.34	-13.87	-11.91	-12.42	-6.56	0.17	-6.39	-6.27	Pass
144	5720 For U-NII-2C	-13.38	-12.67	-12.12	-12.87	-6.72	0.17	-6.55	-6.27	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11-(23.27-6) = -6.27\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)				Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3			
52	5260	-12.28	-13.33	-12.14	-12.09	-6.41	-6.27	Pass
60	5300	-12.21	-13.02	-11.96	-12.09	-6.28	-6.27	Pass
64	5320	-12.42	-12.84	-12.16	-12.31	-6.41	-6.27	Pass
100	5500	-11.91	-12.79	-12.20	-12.42	-6.30	-6.27	Pass
116	5580	-12.06	-13.21	-11.84	-12.38	-6.32	-6.27	Pass
140	5700	-12.35	-12.82	-12.00	-12.25	-6.32	-6.27	Pass
144	5720 For U-NII-2C	-13.11	-12.85	-11.58	-12.52	-6.45	-6.27	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11-(23.27-6) = -6.27\text{dBm}$.

802.11n (HT40)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
54	5270	-13.33	-13.35	-13.08	-14.31	-7.47	0.13	-7.34	-6.27	Pass
62	5310	-13.92	-13.84	-13.26	-14.81	-7.91	0.13	-7.78	-6.27	Pass
102	5510	-13.91	-13.49	-13.81	-14.00	-7.78	0.13	-7.65	-6.27	Pass
110	5550	-13.56	-13.31	-13.78	-14.56	-7.76	0.13	-7.63	-6.27	Pass
134	5670	-13.35	-13.33	-12.76	-14.46	-7.41	0.13	-7.28	-6.27	Pass
142	5710 For U-NII-2 C	-15.58	-15.21	-14.55	-15.21	-9.10	0.13	-8.97	-6.27	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11-(23.27-6) = -6.27\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

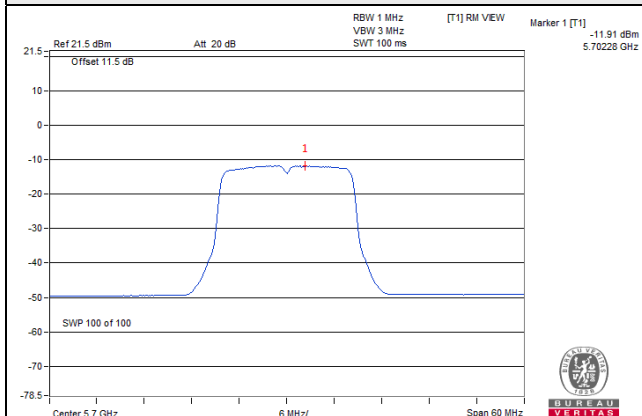
Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Total PSD W/O Duty Factor (dBm/MHz)	Duty Factor (dB)	Total PSD Wth Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3					
58	5290	-16.97	-16.73	-16.94	-17.65	-11.04	0.26	-10.78	-6.27	Pass
106	5530	-17.94	-16.98	-16.97	-17.17	-11.23	0.26	-10.97	-6.27	Pass
122	5610	-17.37	-16.62	-17.62	-17.84	-11.32	0.26	-11.06	-6.27	Pass
138	5690 For U-NII-2 C	-20.33	-20.60	-19.29	-20.73	-14.16	0.26	-13.90	-6.27	Pass

Note:

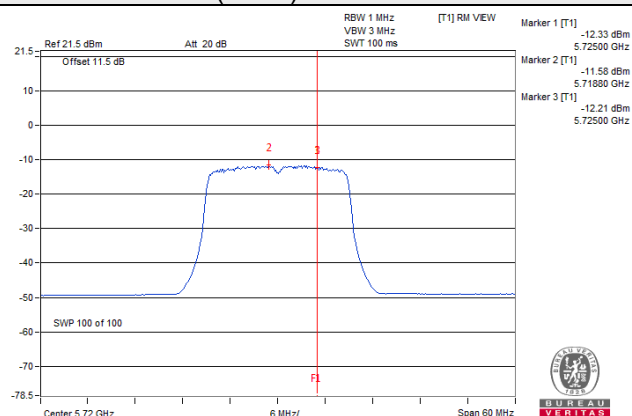
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11-(23.27-6) = -6.27\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

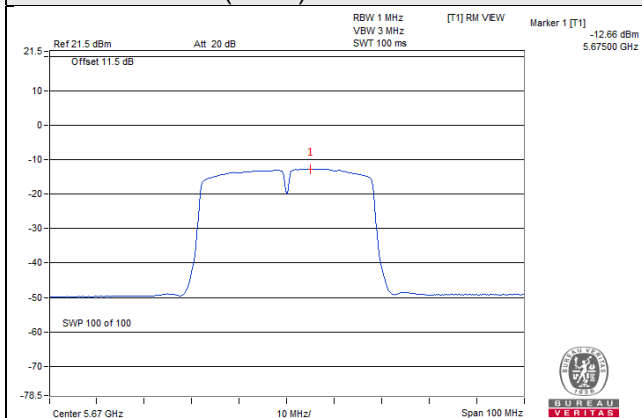
802.11a / Chain 2 / CH 140



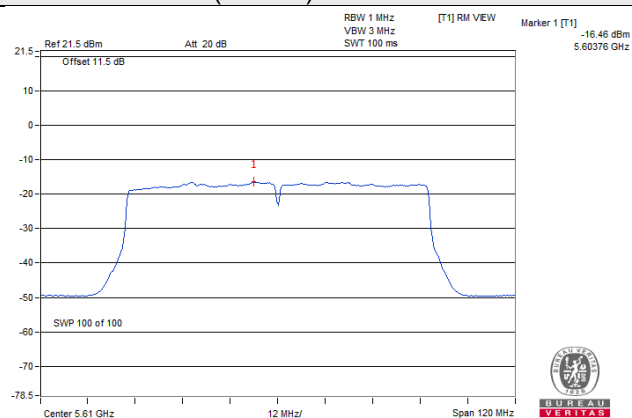
802.11n (HT20) / Chain 2 / CH 144



802.11n (HT40) / Chain 2 / CH 134



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=4) 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	-22.09	-19.87	6.02	0.17	-13.68	12.73	Pass
1	144	5720 For U-NII-3	-21.67	-19.45	6.02	0.17	-13.26	12.73	Pass
2	144	5720 For U-NII-3	-21.30	-19.08	6.02	0.17	-12.89	12.73	Pass
3	144	5720 For U-NII-3	-21.64	-19.42	6.02	0.17	-13.23	12.73	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (23.27 - 6) = 12.73\text{dBm}$.
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=4) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	144	5720 For U-NII-3	-21.74	-19.52	6.02	-13.50	12.73	Pass
1	144	5720 For U-NII-3	-21.87	-19.65	6.02	-13.63	12.73	Pass
2	144	5720 For U-NII-3	-20.61	-18.39	6.02	-12.37	12.73	Pass
3	144	5720 For U-NII-3	-21.04	-18.82	6.02	-12.80	12.73	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (23.27 - 6) = 12.73\text{dBm}$.

802.11n (HT40)

TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) 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	-25.97	-23.75	6.02	0.13	-17.60	12.73	Pass
1	142	5710 For U-NII-3	-25.19	-22.97	6.02	0.13	-16.82	12.73	Pass
2	142	5710 For U-NII-3	-24.95	-22.73	6.02	0.13	-16.58	12.73	Pass
3	142	5710 For U-NII-3	-25.17	-22.95	6.02	0.13	-16.80	12.73	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 = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30-(23.27-6) = 12.73\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

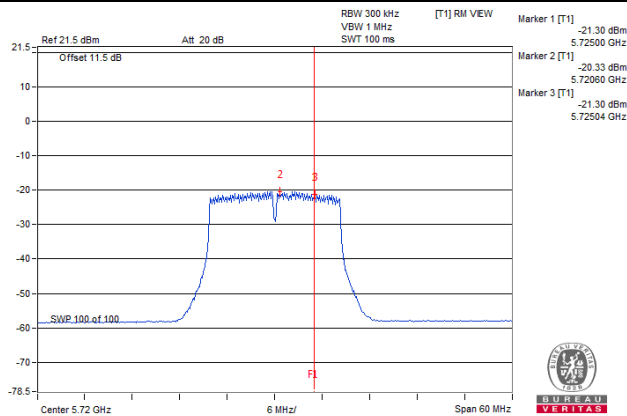
TX chain	Chan.	Freq. (MHz)	PSD W/O Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 For U-NII-3	-29.08	-26.86	6.02	0.26	-20.58	12.73	Pass
1	138	5690 For U-NII-3	-29.79	-27.57	6.02	0.26	-21.29	12.73	Pass
2	138	5690 For U-NII-3	-29.03	-26.81	6.02	0.26	-20.53	12.73	Pass
3	138	5690 For U-NII-3	-29.98	-27.76	6.02	0.26	-21.48	12.73	Pass

Note:

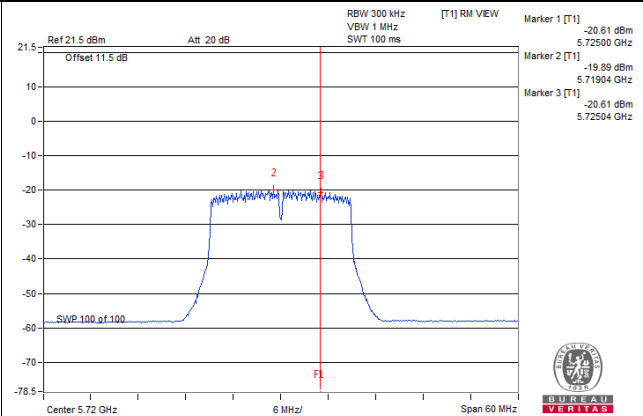
1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional Gain = $18.5 + 10\log(3) = 23.27\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30-(23.27-6) = 12.73\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

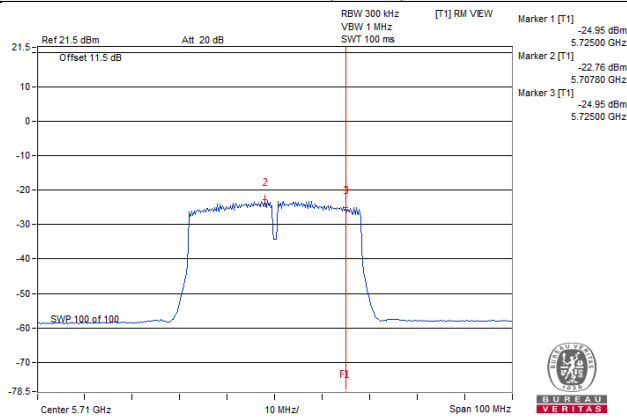
802.11a



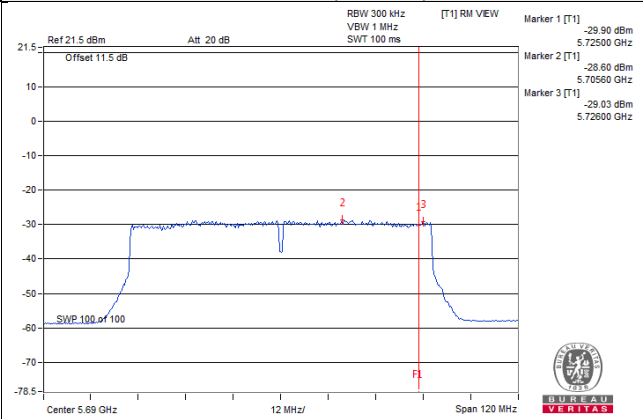
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)

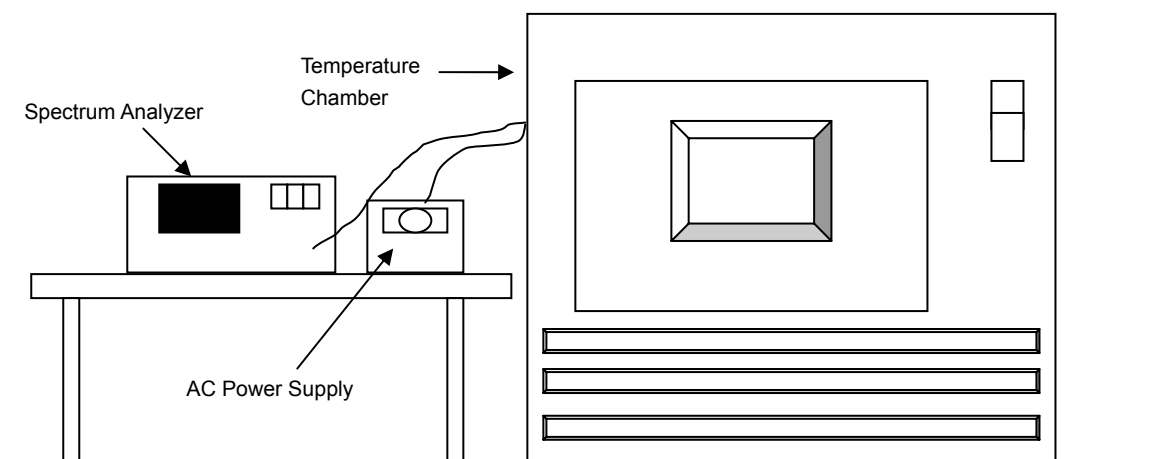


4.6 Frequency Stability

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

Mode A1, B1

Frequency Stability Versus Temp.									
Operating Frequency: 5260MHz									
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	5260.0175	0.00033	5260.0186	0.00035	5260.0153	0.00029	5260.0186	0.00035
40	120	5259.9979	-0.00004	5259.9968	-0.00006	5259.9996	-0.00001	5259.9975	-0.00005
30	120	5259.9808	-0.00037	5259.9825	-0.00033	5259.9848	-0.00029	5259.9832	-0.00032
20	120	5260.0214	0.00041	5260.0235	0.00045	5260.0229	0.00044	5260.0257	0.00049
10	120	5259.9976	-0.00005	5259.9973	-0.00005	5259.9955	-0.00009	5259.9963	-0.00007
0	120	5260.022	0.00042	5260.0184	0.00035	5260.0205	0.00039	5260.0193	0.00037
-10	120	5259.9834	-0.00032	5259.984	-0.00030	5259.9866	-0.00025	5259.9828	-0.00033
-20	120	5260.0022	0.00004	5260.0028	0.00005	5260.005	0.00010	5260.0049	0.00009
-30	120	5259.9773	-0.00043	5259.9767	-0.00044	5259.9757	-0.00046	5259.9797	-0.00039

Frequency Stability Versus Voltage									
Operating Frequency: 5260MHz									
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	5260.0223	0.00042	5260.0238	0.00045	5260.0223	0.00042	5260.0253	0.00048
	120	5260.0214	0.00041	5260.0235	0.00045	5260.0229	0.00044	5260.0257	0.00049
	102	5260.0204	0.00039	5260.0225	0.00043	5260.0233	0.00044	5260.0253	0.00048

Mode A2, B2

Frequency Stability Versus Temp.									
Operating Frequency: 5260MHz									
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	5260.0261	0.00050	5260.0255	0.00048	5260.0252	0.00048	5260.0255	0.00048
40	120	5259.9977	-0.00004	5259.9974	-0.00005	5259.9985	-0.00003	5259.9996	-0.00001
30	120	5259.9769	-0.00044	5259.9776	-0.00043	5259.9756	-0.00046	5259.977	-0.00044
20	120	5259.9776	-0.00043	5259.9773	-0.00043	5259.9794	-0.00039	5259.9775	-0.00043
10	120	5260.0192	0.00037	5260.0168	0.00032	5260.0193	0.00037	5260.0184	0.00035
0	120	5259.984	-0.00030	5259.9832	-0.00032	5259.9824	-0.00033	5259.9828	-0.00033
-10	120	5259.9953	-0.00009	5259.9939	-0.00012	5259.9952	-0.00009	5259.9958	-0.00008
-20	120	5260.0245	0.00047	5260.0226	0.00043	5260.0224	0.00043	5260.0222	0.00042
-30	120	5259.998	-0.00004	5259.997	-0.00006	5259.9952	-0.00009	5259.997	-0.00006

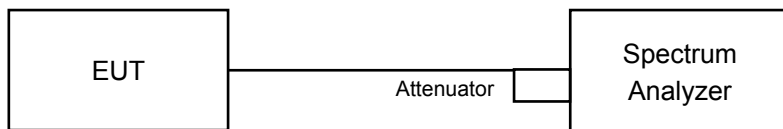
Frequency Stability Versus Voltage									
Operating Frequency: 5260MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5259.9778	-0.00042	5259.9784	-0.00041	5259.9793	-0.00039	5259.9782	-0.00041
	120	5259.9776	-0.00043	5259.9773	-0.00043	5259.9794	-0.00039	5259.9775	-0.00043
	102	5259.9768	-0.00044	5259.9778	-0.00042	5259.9796	-0.00039	5259.9784	-0.00041

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 A1

802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	2.92	3.16	3.17	3.18	0.5	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.15	3.39	3.41	3.76	0.5	Pass

802.11n (HT40)

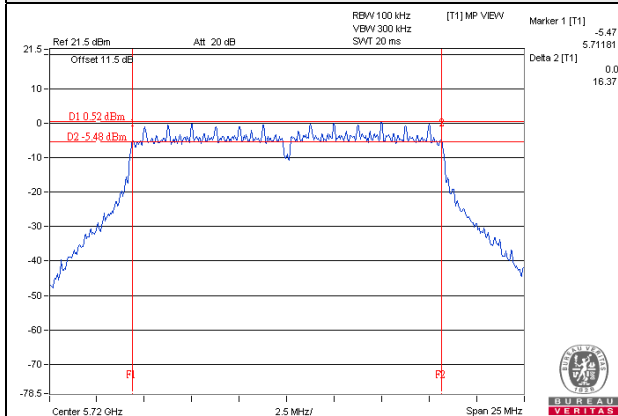
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 For U-NII-3	2.60	2.52	2.58	2.55	0.5	Pass

802.11ac (VHT80)

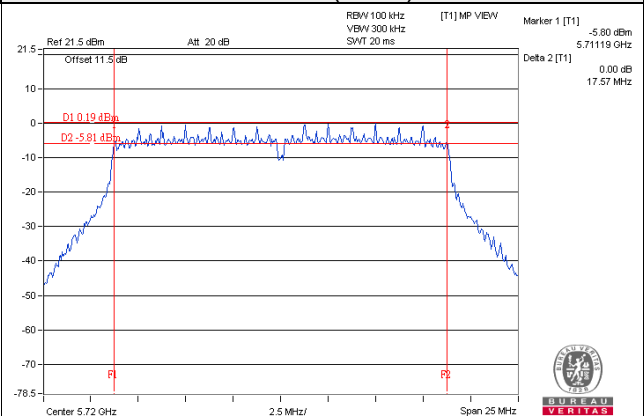
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 For U-NII-3	2.76	2.72	2.78	2.74	0.5	Pass

Spectrum Plot of Worst Value

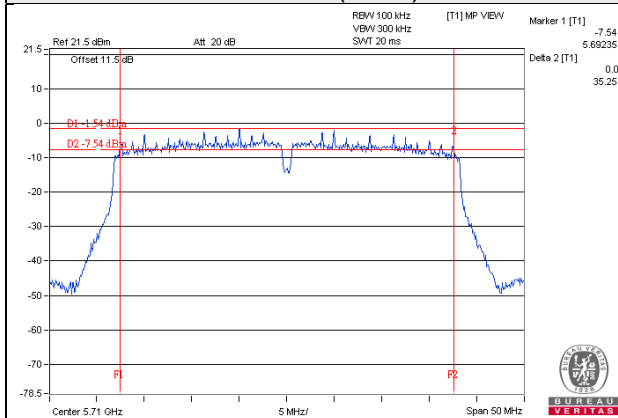
802.11a



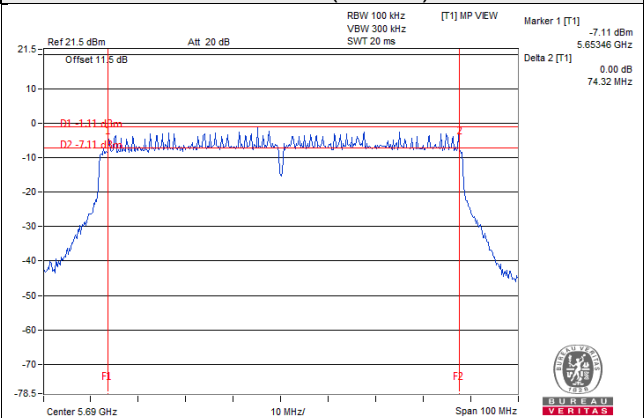
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Note: For CH144, CH142, CH138 (UNII-3 Band):
The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

Mode A2

802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.18	3.18	3.19	3.18	0.5	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.42	3.55	3.80	3.80	0.5	Pass

802.11n (HT40)

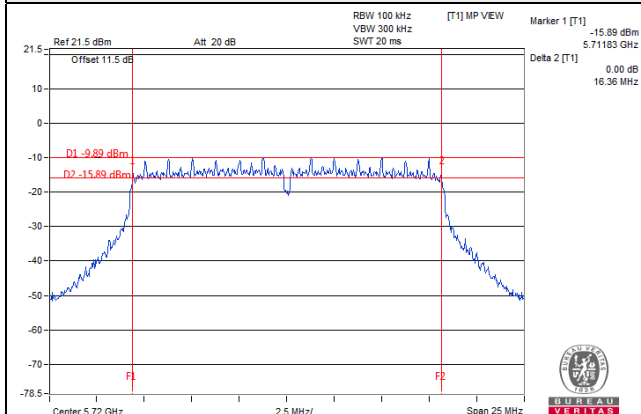
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 For U-NII-3	2.63	2.63	2.66	2.62	0.5	Pass

802.11ac (VHT80)

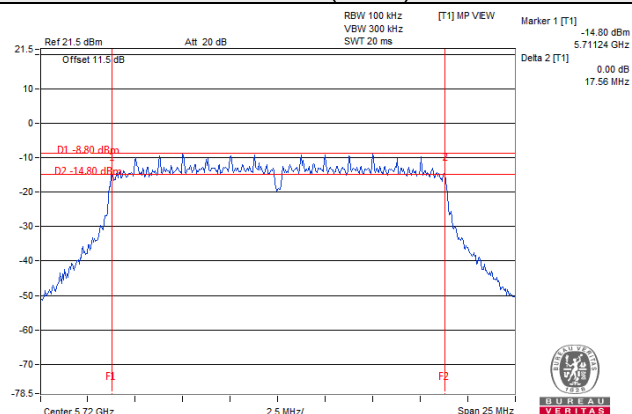
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 For U-NII-3	2.74	2.72	2.75	2.75	0.5	Pass

Spectrum Plot of Worst Value

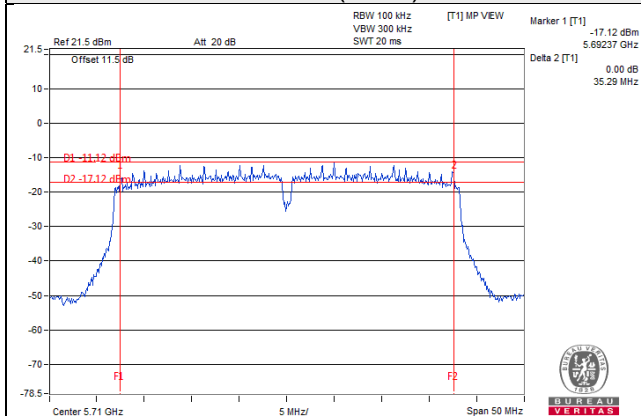
802.11a



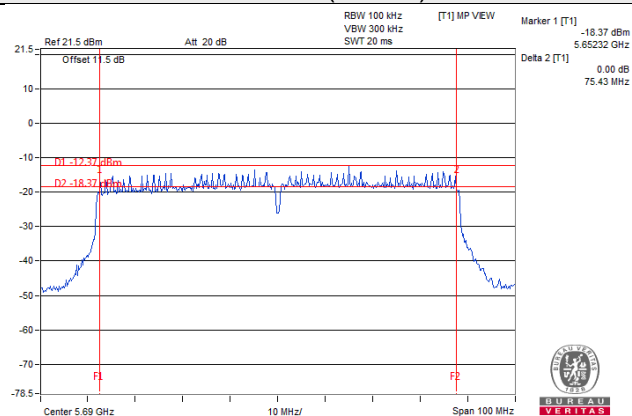
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Note: For CH144, CH142, CH138 (UNII-3 Band):

The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

Mode B1

802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.16	3.16	3.16	3.17	0.5	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.77	3.79	3.40	3.77	0.5	Pass

802.11n (HT40)

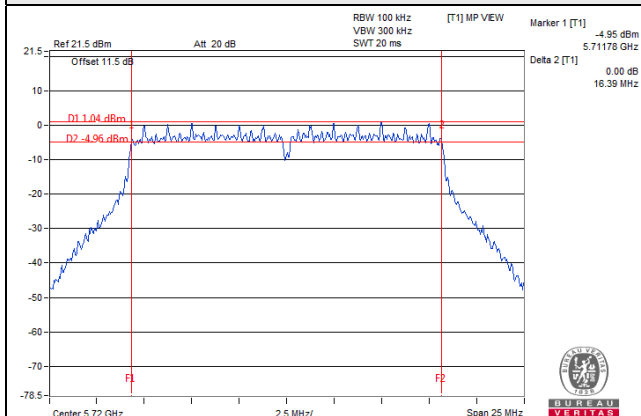
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 For U-NII-3	2.62	2.55	2.54	2.54	0.5	Pass

802.11ac (VHT80)

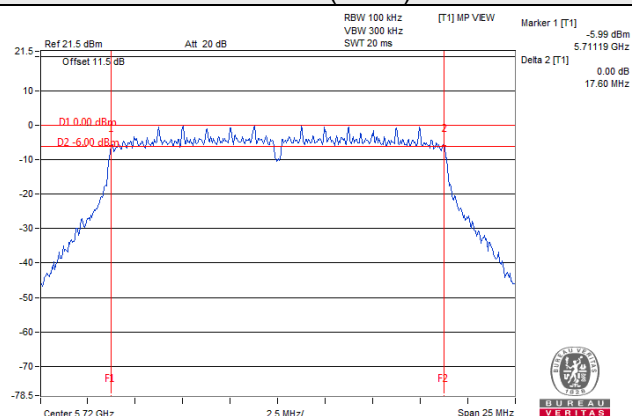
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 For U-NII-3	2.75	2.75	2.74	2.72	0.5	Pass

Spectrum Plot of Worst Value

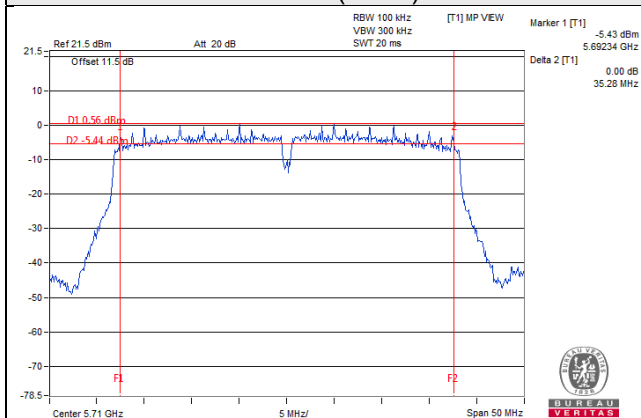
802.11a



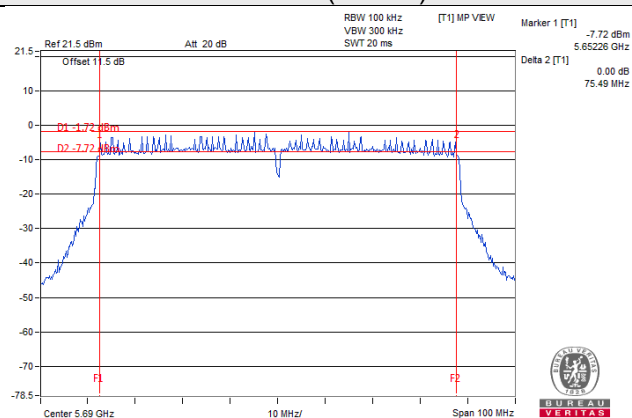
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Note: For CH144, CH142, CH138 (UNII-3 Band):

The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

Mode B2

802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.15	3.15	3.15	3.15	0.5	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.48	3.16	3.16	3.78	0.5	Pass

802.11n (HT40)

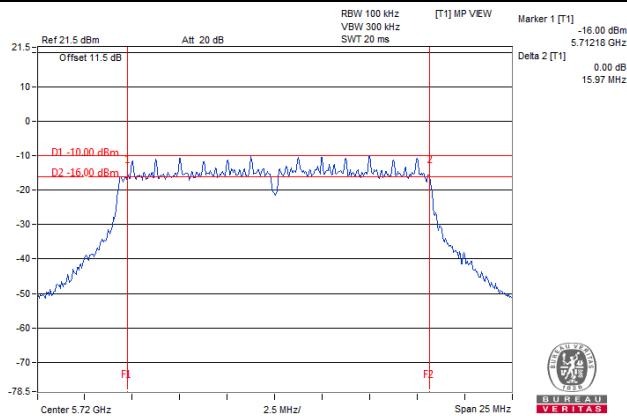
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 For U-NII-3	2.63	2.56	2.59	2.58	0.5	Pass

802.11ac (VHT80)

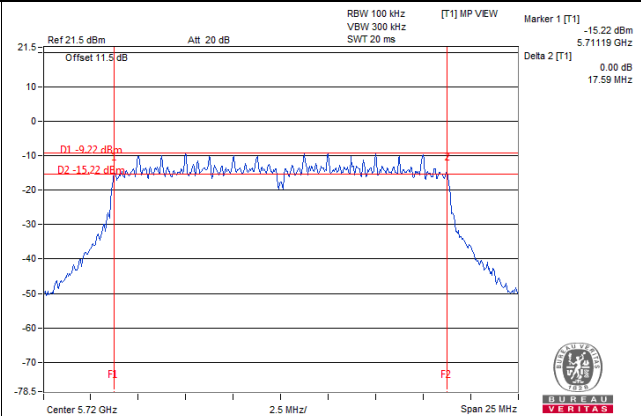
Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 For U-NII-3	2.77	2.77	2.75	2.70	0.5	Pass

Spectrum Plot of Worst Value

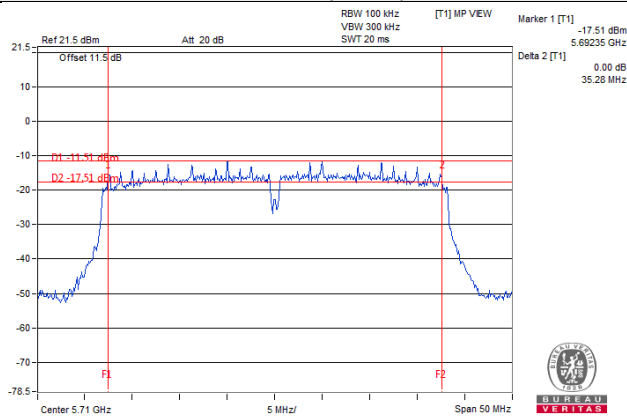
802.11a



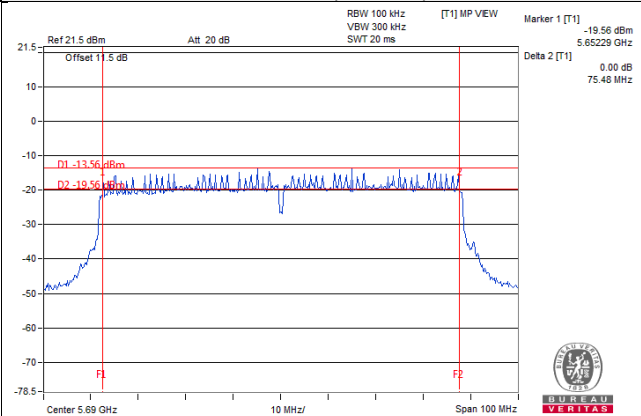
802.11n (HT20)



802.11n (HT40)



802.11ac (VHT80)



Note: For CH144, CH142, 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:

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The address and road map of all our labs can be found in our web site also.

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