

## FCC Test Report

**Report No.:** RF160910C09A

**FCC ID:** ACQ-WVB2R0-34

**Test Model:** WVB2

**Received Date:** Dec. 09, 2016

**Test Date:** Dec. 09, 2016 ~ Mar. 15, 2017

**Issued Date:** Mar. 16, 2017

**Applicant:** ARRIS Group, Inc.

**Address:** 101 Tournament Drive, Horsham, Pennsylvania, United States, 19044

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

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

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



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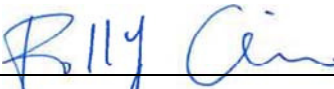
### Release Control Record


Issue No.	Description	Date Issued
RF160910C09AA	Original release.	Mar. 16, 2017

## 1 Certificate of Conformity

**Product:** Wireless Gateway  
**Brand:** Arris  
**Test Model:** WVB2  
**Sample Status:** Engineering sample  
**Applicant:** Murata Manufacturing Co., Ltd.  
**Test Date:** Dec. 09, 2016 ~ Mar. 15, 2017  
**Standards:** 47 CFR FCC Part 15, Subpart E (Section 15.407)  
ANSI C63.10:2013

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

**Prepared by :**  , **Date:** Mar. 16, 2017  
Polly Chien / Specialist

**Approved by :**  , **Date:** Mar. 16, 2017  
Ken Liu / Senior Manager

## 2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b)(6)	AC Power Conducted Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -22.15dB at 0.15000MHz.
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 -0.1dB at 5150MHz, 5638.40MHz, 5648.00MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(a)(1/2/3)	6dB bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)
15.407(e)	Frequency Stability	Pass	Meet the requirement of limit.
15.407(g)	Antenna Requirement	Pass	Antenna connector is UFL not a standard connector.

\*For U-NII-3 band compliance with rule part 15.407(b)(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	2.44 dB
Radiated Emissions up to 1 GHz	30MHz ~ 200MHz	3.59 dB
	200MHz ~ 1000MHz	3.60 dB
Radiated Emissions above 1 GHz	1GHz ~ 18GHz	2.29 dB
	18GHz ~ 40GHz	2.29 dB

### 2.2 Modification Record

There were no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

Product	Wireless Gateway
Brand	Arris
Test Model	WVB2
Status of EUT	Engineering sample
Power Supply Rating	12Vdc from adapter
Modulation Type	256QAM, 64QAM, 16QAM, QPSK, BPSK
Modulation Technology	OFDM
Transfer Rate	802.11n: up to 450Mbps 802.11ac: up to 1700Mbps
Operating Frequency	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5720MHz & 5745 ~ 5825MHz
Number of Channel	5180 ~ 5240MHz: 4 for 802.11n (HT20), 802.11ac (VHT20) 2 for 802.11n (HT40), 802.11ac (VHT40) 1 for 802.11ac (VHT80) 5260 ~ 5320MHz: 4 for 802.11n (HT20), 802.11ac (VHT20) 2 for 802.11n (HT40), 802.11ac (VHT40) 1 for 802.11ac (VHT80) 5500 ~ 5720MHz: 12 for 802.11n (HT20), 802.11ac (VHT20) 6 for 802.11n (HT40), 802.11ac (VHT40) 3 for 802.11ac (VHT80) 5745 ~ 5825MHz: 5 for 802.11n (HT20), 802.11ac (VHT20) 2 for 802.11n (HT40), 802.11ac (VHT40) 1 for 802.11ac (VHT80)
Output Power	CDD Mode: <b>Mode F (4T2S)</b> 5180 ~ 5240MHz: 600.244mW 5260 ~ 5320MHz: 245.758mW 5500 ~ 5720MHz: 244.527mW 5745 ~ 5825MHz: 572.557mW <b>Mode G (4T3S)</b> 5180 ~ 5240MHz: 671.352mW 5260 ~ 5320MHz: 250.060mW 5500 ~ 5720MHz: 248.860mW 5745 ~ 5825MHz: 563.927mW

Output Power	Beamforming Mode: <b>Mode F (4T2S)</b> 5180 ~ 5240MHz: 596.084mW 5260 ~ 5320MHz: 245.758mW 5500 ~ 5720MHz: 250.663mW 5745 ~ 5825MHz: 567.415mW <b>Mode G (4T3S)</b> 5180 ~ 5240MHz: 670.841mW 5260 ~ 5320MHz: 250.224mW 5500 ~ 5720MHz: 249.107mW 5745 ~ 5825MHz: 560.696mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	Adapter
Data Cable Supplied	NA
Hardware Revision	WVB2 HW 2.1

Note:

1. This report is prepared for FCC class III permissive change. This report is issued as a supplementary report of the original report no.: RF160910C09. The difference compared with original report is adding two test modes (4T2S and 4T3S).
2. The EUT incorporates a MIMO function. Physically, the EUT provides 4 completed transmitters and 4 receivers.

Modulation Mode	Beamforming Mode	TX Function
802.11n (HT20)	Support	4TX
802.11n (HT40)	Support	4TX
802.11ac (VHT20)	Support	4TX
802.11ac (VHT40)	Support	4TX
802.11ac (VHT80)	Support	4TX

\* The modulation and bandwidth are similar for 802.11n mode for 20MHz/40MHz and 802.11ac mode for 20MHz/40MHz, therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1)

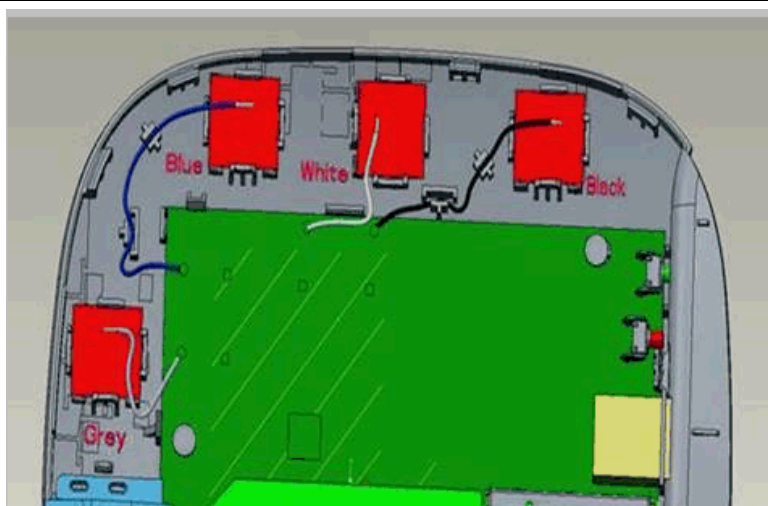
\* For 802.11n and 802.11ac, CDD mode is the worst case for final radiated emission up to 1 GHz and power line conducted emission tests after pretesting.

3. The EUT uses following antennas. (New test modes are marked in boldface.)

Antenna Type	Stamped metal	Antenna Connector			UFL
		Frequency			
Directional Gain (dBi)	Mode	5180 ~ 5240MHz	5260 ~ 5320MHz	5500 ~ 5720MHz	5745 ~ 5825MHz
Max directional gain with uncorrelated signal	4T1S	1.5	1.1	2.2	2.8
	4T4S	1.5	1.1	2.2	2.8
	<b>4T2S</b>	<b>1.5</b>	<b>1.1</b>	<b>2.2</b>	<b>2.8</b>
	<b>4T3S</b>	<b>1.5</b>	<b>1.1</b>	<b>2.2</b>	<b>2.8</b>
Max directional gain with correlated signal	4T1S	7.5	7.1	8.2	8.7
	4T4S	1.5	1.1	2.2	2.8
	<b>4T2S</b>	<b>4.5</b>	<b>4.1</b>	<b>5.2</b>	<b>5.8</b>
	<b>4T3S</b>	<b>2.7</b>	<b>2.3</b>	<b>3.4</b>	<b>4</b>



Item	Description
Ant. 1	Grey
Ant. 2	Blue
Ant. 3	White
Ant. 4	Black



4. The EUT uses following adapters.

Adapter 1	
Brand	DIRECTV
Model	EPS10R1-15
Input Power	120Vac, 60Hz, 0.5A
Output Power	12Vdc, 1.5A, 18W
Power Line	DC: 1.8m cable with 1 core attached on adapter AC: 0.9m cable without core attached on adapter

Adapter 2	
Brand	DIRECTV
Model	EPS10R1-16
Input Power	120Vac, 60Hz, 0.5A
Output Power	12Vdc, 1.5A, 18W
Power Line	DC: 1.8m cable with 1 core attached on adapter AC: 0.9m cable without core attached on adapter

Adapter 3	
Brand	DIRECTV
Model	EPS10R3-15
Input Power	120Vac, 60Hz, 0.5A
Output Power	12Vdc, 1.5A, 18W
Power Line	DC: 1.8m cable with 1 core attached on adapter AC: 0.9m cable without core attached on adapter

<b>Adapter 4</b>	
Brand	DIRECTV
Model	EPS10R4-16
Input Power	120Vac, 60Hz, 0.5A
Output Power	12Vdc, 1.5A, 18W
Power Line	DC: 1.8m cable with 1 core attached on adapter AC: 0.9m cable without core attached on adapter

After pretesting, the adapter 1 was chosen for final test.

### 3.2 Description of Test Modes

#### FOR 5180 ~ 5240MHz:

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

Channel	Frequency	Channel	Frequency
36	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

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

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
42	5210 MHz

#### FOR 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	5290 MHz

**FOR 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		

**FOR 5745 ~ 5825MHz:**

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

Channel	Frequency	Channel	Frequency
149	5745 MHz	161	5805 MHz
153	5765 MHz	165	5825 MHz
157	5785 MHz		

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

Channel	Frequency	Channel	Frequency
151	5755 MHz	159	5795 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
155	5775 MHz

### 3.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE $\geq$ 1G	RE $<$ 1G	PLC	APCM	
F	√	√	√	√	EUT (4T2S) power from adapter 1
G	√	√	√	√	EUT (4T3S) power from adapter 1

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 **Z-axis**.

#### 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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
F, G	802.11ac (VHT20)	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	26.0
F, G	802.11ac (VHT40)		38 to 46	38, 46	OFDM	BPSK	54.0
F, G	802.11ac (VHT80)		42	42	OFDM	BPSK	130.0
F, G	802.11ac (VHT20)	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	26.0
F, G	802.11ac (VHT40)		54 to 62	54, 62	OFDM	BPSK	54.0
F, G	802.11ac (VHT80)		58	58	OFDM	BPSK	130.0
F, G	802.11ac (VHT20)	5500-5720	100 to 144	100, 116, 120, 124, 128, 140, 144	OFDM	BPSK	26.0
F, G	802.11ac (VHT40)		102 to 142	102, 110, 118, 126, 134, 142	OFDM	BPSK	54.0
F, G	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	BPSK	130.0
F, G	802.11ac (VHT20)	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	26.0
F, G	802.11ac (VHT40)		151 to 159	151, 159	OFDM	BPSK	54.0
F, G	802.11ac (VHT80)		155	155	OFDM	BPSK	130.0

#### 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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
F, G	802.11ac (VHT20)	5180-5240	36 to 48	40	OFDM	BPSK	26.0
	802.11ac (VHT20)	5260-5320	52 to 64		OFDM	BPSK	26.0
	802.11ac (VHT20)	5500-5720	100 to 144		OFDM	BPSK	26.0
	802.11ac (VHT20)	5745-5825	149 to 165		OFDM	BPSK	26.0

### 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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
F, G	802.11ac (VHT20)	5180-5240	36 to 48	40	OFDM	BPSK	26.0
	802.11ac (VHT20)	5260-5320	52 to 64		OFDM	BPSK	26.0
	802.11ac (VHT20)	5500-5720	100 to 144		OFDM	BPSK	26.0
	802.11ac (VHT20)	5745-5825	149 to 165		OFDM	BPSK	26.0

### 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	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
F, G	802.11ac (VHT20)	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	26.0
F, G	802.11ac (VHT40)		38 to 46	38, 46	OFDM	BPSK	54.0
F, G	802.11ac (VHT80)		42	42	OFDM	BPSK	130.0
F, G	802.11ac (VHT20)	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	26.0
F, G	802.11ac (VHT40)		54 to 62	54, 62	OFDM	BPSK	54.0
F, G	802.11ac (VHT80)		58	58	OFDM	BPSK	130.0
F, G	802.11ac (VHT20)	5500-5720	100 to 144	100, 116, 120, 124, 128, 140, 144	OFDM	BPSK	26.0
F, G	802.11ac (VHT40)		102 to 142	102, 110, 118, 126, 134, 142	OFDM	BPSK	54.0
F, G	802.11ac (VHT80)		106 to 138	106, 122, 138	OFDM	BPSK	130.0
F, G	802.11ac (VHT20)	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	26.0
F, G	802.11ac (VHT40)		151 to 159	151, 159	OFDM	BPSK	54.0
F, G	802.11ac (VHT80)		155	155	OFDM	BPSK	130.0

### Test Condition:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
<b>RE&gt;1G</b>	23deg. C, 70%RH	120Vac, 60Hz	Matthew Yang, Chris Lin
	24deg. C, 68%RH		
<b>RE&lt;1G</b>	25deg. C, 75%RH	120Vac, 60Hz	Chris Lin
<b>PLC</b>	26deg. C, 64%RH	120Vac, 60Hz	Chris Lin
<b>APCM</b>	24deg. C, 64%RH	120Vac, 60Hz	Match Tsui

### 3.3 Duty Cycle of Test Signal

Duty cycle of test signal is > 98%, duty factor is not required.

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

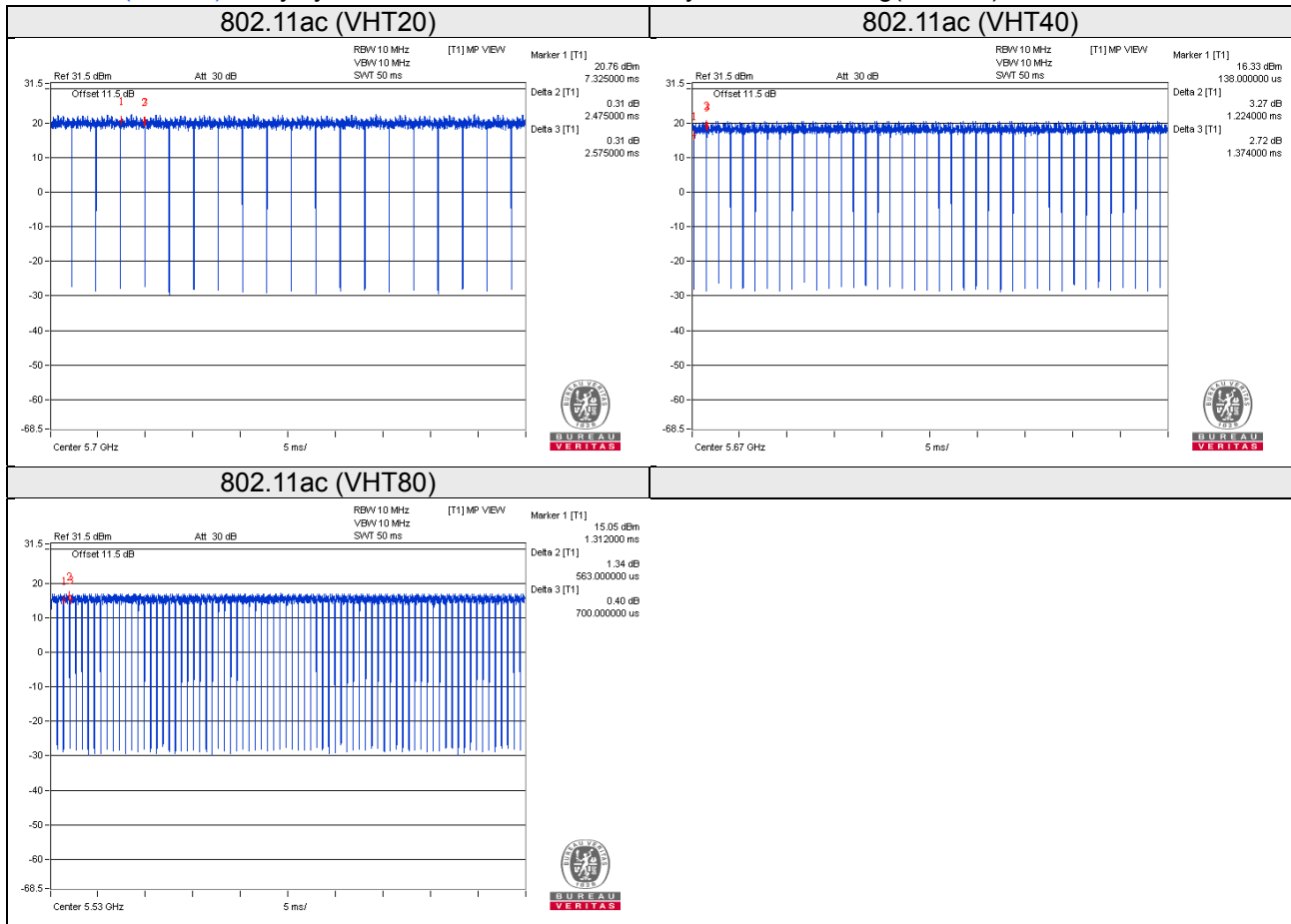
#### CDD Mode

Mode F

802.11ac (VHT20): Duty cycle =  $2.475/2.575 = 0.961$ , Duty factor =  $10 * \log(1/0.961) = 0.17$

802.11ac (VHT40): Duty cycle =  $1.224/1.374 = 0.891$ , Duty factor =  $10 * \log(1/0.891) = 0.50$

802.11ac (VHT80): Duty cycle =  $0.563/0.700 = 0.804$ , Duty factor =  $10 * \log(1/0.804) = 0.95$





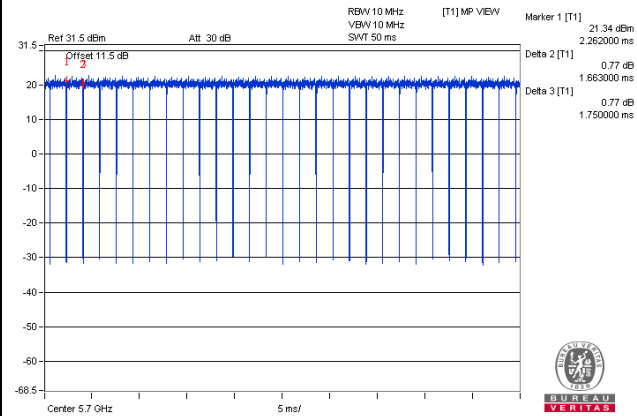
### Mode G

802.11ac (VHT20): Duty cycle = 1.663/1.750 = 0.949, Duty factor =  $10 * \log(1/0.949) = 0.23$

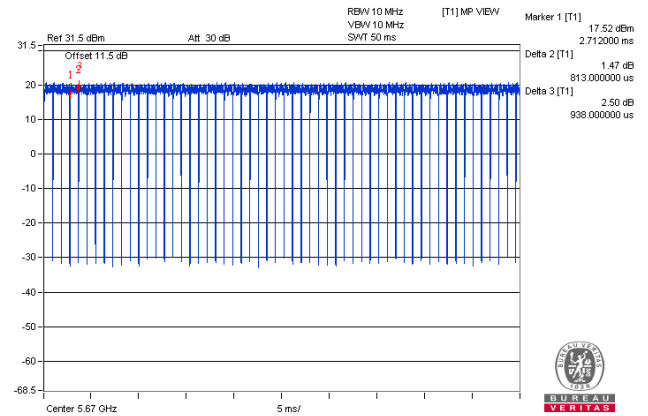
802.11ac (VHT40): Duty cycle = 0.813/0.938 = 0.867, Duty factor =  $10 * \log(1/0.867) = 0.62$

802.11ac (VHT80): Duty cycle = 0.399/0.474 = 0.842, Duty factor =  $10 * \log(1/0.842) = 0.75$

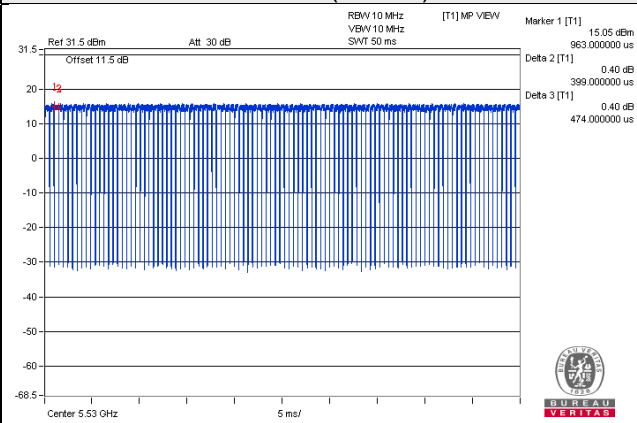
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)



## Beamforming Mode

### Mode F

802.11ac (VHT20): Duty cycle =  $2.475/2.575 = 0.961$ , Duty factor =  $10 * \log(1/0.961) = 0.17$

802.11ac (VHT40): Duty cycle =  $1.224/1.374 = 0.891$ , Duty factor =  $10 * \log(1/0.891) = 0.50$

802.11ac (VHT80): Duty cycle =  $0.563/0.700 = 0.840$ , Duty factor =  $10 * \log(1/0.840) = 0.95$





Mode G

802.11ac (VHT20): Duty cycle = 1.675/1.738 = 0.964, Duty factor =  $10 * \log(1/0.964) = 0.16$

802.11ac (VHT40): Duty cycle = 0.813/0.938 = 0.867, Duty factor =  $10 * \log(1/0.867) = 0.62$

802.11ac (VHT80): Duty cycle = 0.399/0.474 = 0.842, Duty factor =  $10 * \log(1/0.842) = 0.75$



### 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.

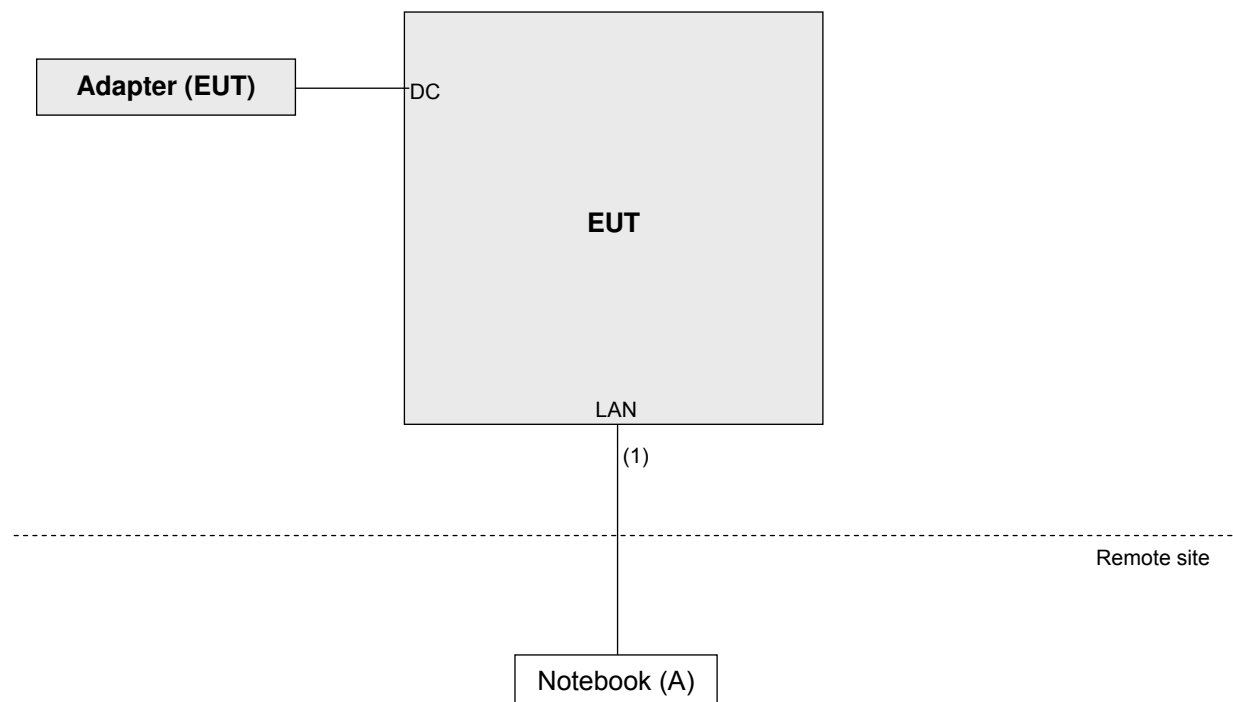
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook	DELL	E5410	6RP2YM1	FCC DoC Approved	-

Note:

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

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	RJ45, Cat5e	1	3	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 Procedures New Rules v01r03**

**KDB 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. Other emissions shall be at least 20dB below the highest level of the desired power:

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:

- The lower limit shall apply at the transition frequencies.
- Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 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 v01r03		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	<input type="checkbox"/> 15.407(b)(4)(i)	PK:-27 (dBm/MHz) <sup>*1</sup> PK:10 (dBm/MHz) <sup>*2</sup> PK:15.6 (dBm/MHz) <sup>*3</sup> PK:27 (dBm/MHz) <sup>*4</sup>	PK: 68.2(dBµV/m) <sup>*1</sup> PK:105.2 (dBµV/m) <sup>*2</sup> PK: 110.8(dBµV/m) <sup>*3</sup> PK:122.2 (dBµV/m) <sup>*4</sup>
	<input checked="" type="checkbox"/> 15.407(b)(4)(ii)	Emission limits in section 15.247(d)	
<sup>*1</sup> beyond 75 MHz or more above of the band edge. <sup>*3</sup> below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.		<sup>*2</sup> below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. <sup>*4</sup> 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:

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

#### 4.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCI	100424	Oct. 24, 2016	Oct. 23, 2017
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100269	Apr. 19, 2016	Apr. 18, 2017
BILOG Antenna SCHWARZBECK	VULB9168	9168-155	Jan. 07, 2016	Jan. 06, 2017
			Dec. 28, 2016	Dec. 27, 2017
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-1170	Jan. 08, 2016	Jan. 07, 2017
			Dec. 15, 2016	Dec. 14, 2017
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Jan. 18, 2016	Jan. 17, 2017
			Dec. 14, 2016	Dec. 13, 2017
Loop Antenna	EM-6879	269	Aug. 11, 2016	Aug. 10, 2017
Preamplifier Agilent	8449B	3008A01911	Aug. 09, 2016	Aug. 08, 2017
Preamplifier Agilent	8447D	2944A10631	Aug. 09, 2016	Aug. 08, 2017
RF signal cable HUBER+SUHNER	SUCOFLEX 104	MY 13380+295012/04	Aug. 09, 2016	Aug. 08, 2017
RF signal cable HUBER+SUHNER	SUCOFLEX 104	Cable-CH4-03(2507 24)	Aug. 09, 2016	Aug. 08, 2017
Software BV ADT	ADT_Radiated_ V7.6.15.9.4	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	010303	NA	NA
Antenna Tower Controller BV ADT	AT100	AT93021703	NA	NA
Turn Table BV ADT	TT100	TT93021703	NA	NA
Turn Table Controller BV ADT	SC100	SC93021703	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	815221	Oct. 17, 2016	Oct. 16, 2017
High Speed Peak Power Meter	ML2495A	0824012	Aug. 11, 2016	Aug. 10, 2017
Power Sensor	MA2411B	0738171	Aug. 11, 2016	Aug. 10, 2017
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	Jun. 08, 2016	Jun. 07, 2017

- 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 4.
3. The horn antenna and preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
4. The FCC Site Registration No. is 460141.
5. The IC Site Registration No. is IC7450F-4.

### 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:

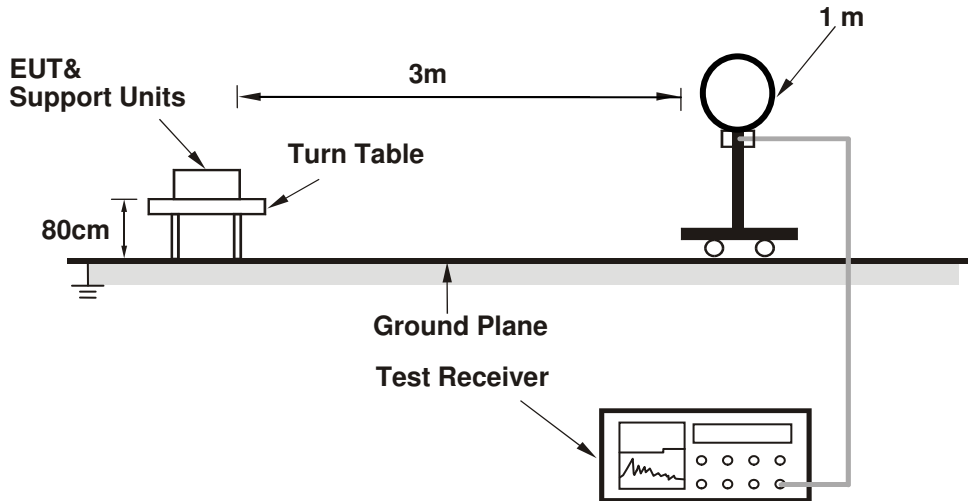
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.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

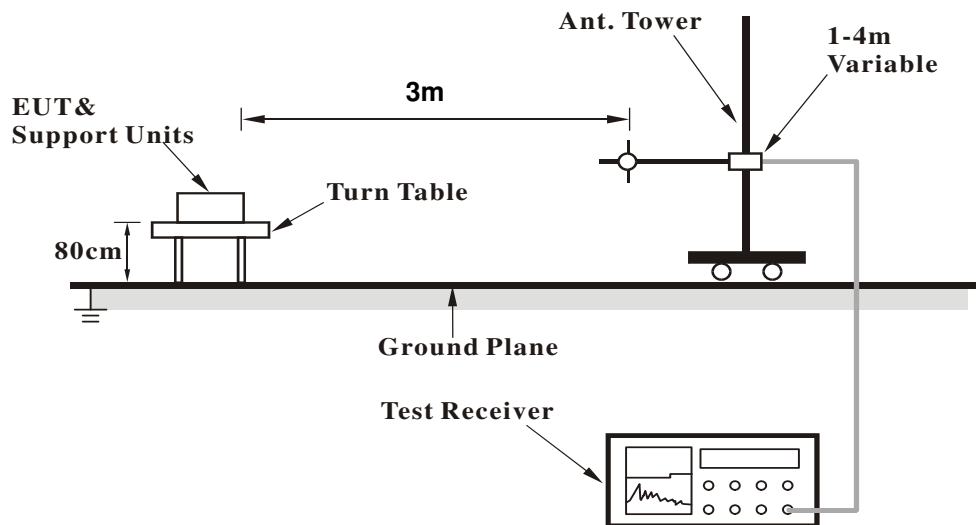
No deviation.

#### 4.1.5 Test Setup

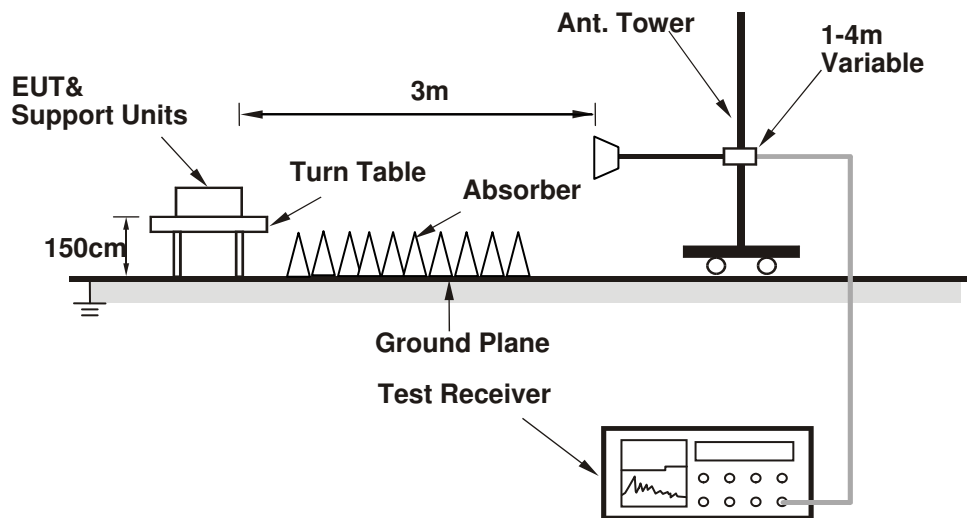
For Radiated emission below 30MHz



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:

CDD Mode

Mode F

802.11ac (VHT20)

CHANNEL	TX Channel 36	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	65.0 PK	74.0	-9.0	1.99 H	257	59.00	6.00
2	5150.00	51.1 AV	54.0	-2.9	1.99 H	257	45.10	6.00
3	*5180.00	113.5 PK			1.93 H	255	73.40	40.10
4	*5180.00	103.8 AV			1.93 H	255	63.70	40.10
5	#10360.00	58.6 PK	74.0	-15.4	1.05 H	64	40.90	17.70
6	#10360.00	47.2 AV	54.0	-6.8	1.05 H	64	29.50	17.70
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	67.7 PK	74.0	-6.3	1.57 V	43	61.70	6.00
2	5150.00	52.8 AV	54.0	-1.2	1.57 V	43	46.80	6.00
3	*5180.00	118.5 PK			1.94 V	286	78.40	40.10
4	*5180.00	107.4 AV			1.94 V	286	67.30	40.10
5	#10360.00	59.6 PK	74.0	-14.4	1.23 V	18	41.90	17.70
6	#10360.00	48.1 AV	54.0	-5.9	1.23 V	18	30.40	17.70

#### 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 40	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	69.6 PK	74.0	-4.4	1.94 H	261	63.60	6.00
2	5150.00	53.4 AV	54.0	-0.6	1.94 H	261	47.40	6.00
3	*5200.00	117.0 PK			1.77 H	292	76.90	40.10
4	*5200.00	105.2 AV			1.77 H	292	65.10	40.10
5	#10400.00	58.4 PK	74.0	-15.6	1.05 H	78	40.40	18.00
6	#10400.00	47.7 AV	54.0	-6.3	1.05 H	78	29.70	18.00

**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	68.1 PK	74.0	-5.9	1.36 V	326	62.10	6.00
2	5150.00	53.6 AV	54.0	-0.4	1.36 V	326	47.60	6.00
3	*5200.00	121.8 PK			1.92 V	287	81.70	40.10
4	*5200.00	111.3 AV			1.92 V	287	71.20	40.10
5	#10400.00	60.6 PK	74.0	-13.4	1.25 V	64	42.60	18.00
6	#10400.00	48.1 AV	54.0	-5.9	1.25 V	64	30.10	18.00

**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 48	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	*5240.00	116.9 PK			2.01 H	254	76.70	40.20
2	*5240.00	106.3 AV			2.01 H	254	66.10	40.20
3	5350.00	59.2 PK	74.0	-14.8	2.17 H	254	53.00	6.20
4	5350.00	47.6 AV	54.0	-6.4	2.17 H	254	41.40	6.20
5	#10480.00	58.8 PK	74.0	-15.2	1.08 H	64	40.60	18.20
6	#10480.00	46.6 AV	54.0	-7.4	1.08 H	64	28.40	18.20

**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	*5240.00	123.2 PK			1.90 V	275	83.00	40.20
2	*5240.00	112.7 AV			1.90 V	275	72.50	40.20
3	5393.00	62.6 PK	74.0	-11.4	1.90 V	280	56.40	6.20
4	5393.00	50.9 AV	54.0	-3.1	1.90 V	280	44.70	6.20
5	#10480.00	59.8 PK	74.0	-14.2	1.05 V	87	41.60	18.20
6	#10480.00	48.3 AV	54.0	-5.7	1.05 V	87	30.10	18.20

**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 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	59.6 PK	74.0	-14.4	2.15 H	285	53.60	6.00
2	5150.00	47.5 AV	54.0	-6.5	2.15 H	285	41.50	6.00
3	*5260.00	117.7 PK			1.98 H	283	77.50	40.20
4	*5260.00	106.4 AV			1.98 H	283	66.20	40.20
5	#10520.00	59.8 PK	74.0	-14.2	1.32 H	65	41.50	18.30
6	#10520.00	48.4 AV	54.0	-5.6	1.32 H	65	30.10	18.30

**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	5100.00	61.9 PK	74.0	-12.1	1.57 V	19	55.90	6.00
2	5100.00	50.0 AV	54.0	-4.0	1.57 V	19	44.00	6.00
3	*5260.00	123.3 PK			1.90 V	275	83.10	40.20
4	*5260.00	112.2 AV			1.90 V	275	72.00	40.20
5	#10520.00	58.8 PK	74.0	-15.2	1.23 V	68	40.50	18.30
6	#10520.00	46.8 AV	54.0	-7.2	1.23 V	68	28.50	18.30

**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	114.7 PK			1.91 H	250	74.50	40.20
2	*5300.00	104.8 AV			1.91 H	250	64.60	40.20
3	5350.00	62.8 PK	74.0	-11.2	2.02 H	254	56.60	6.20
4	5350.00	49.3 AV	54.0	-4.7	2.02 H	254	43.10	6.20
5	10600.00	59.4 PK	74.0	-14.6	1.23 H	64	40.70	18.70
6	10600.00	47.4 AV	54.0	-6.6	1.23 H	64	28.70	18.70

**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	121.2 PK			1.92 V	274	81.00	40.20
2	*5300.00	110.1 AV			1.92 V	274	69.90	40.20
3	5350.00	67.0 PK	74.0	-7.0	1.94 V	277	60.80	6.20
4	5350.00	53.3 AV	54.0	-0.7	1.94 V	277	47.10	6.20
5	10600.00	60.2 PK	74.0	-13.8	1.20 V	69	41.50	18.70
6	10600.00	48.8 AV	54.0	-5.2	1.20 V	69	30.10	18.70

**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.

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	111.6 PK			1.92 H	252	71.40	40.20
2	*5320.00	101.3 AV			1.92 H	252	61.10	40.20
3	5350.00	65.1 PK	74.0	-8.9	2.00 H	255	58.90	6.20
4	5350.00	49.8 AV	54.0	-4.2	2.00 H	255	43.60	6.20
5	10640.00	59.5 PK	74.0	-14.5	1.06 H	58	40.50	19.00
6	10640.00	47.6 AV	54.0	-6.4	1.06 H	58	28.60	19.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	118.5 PK			1.87 V	276	78.30	40.20
2	*5320.00	106.6 AV			1.87 V	276	66.40	40.20
3	5350.00	67.0 PK	74.0	-7.0	1.91 V	278	60.80	6.20
4	5350.00	53.3 AV	54.0	-0.7	1.91 V	278	47.10	6.20
5	10640.00	61.6 PK	74.0	-12.4	1.32 V	85	42.60	19.00
6	10640.00	49.1 AV	54.0	-4.9	1.32 V	85	30.10	19.00

**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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.0 PK	74.0	-14.0	1.98 H	254	53.70	6.30
2	5460.00	46.8 AV	54.0	-7.2	1.98 H	254	40.50	6.30
3	#5470.00	66.8 PK	74.0	-7.2	1.98 H	254	60.50	6.30
4	#5470.00	49.5 AV	54.0	-4.5	1.98 H	254	43.20	6.30
5	*5500.00	112.6 PK			2.00 H	253	72.20	40.40
6	*5500.00	102.4 AV			2.00 H	253	62.00	40.40
7	11000.00	59.8 PK	74.0	-14.2	1.08 H	64	40.30	19.50
8	11000.00	47.9 AV	54.0	-6.1	1.08 H	64	28.40	19.50

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.1 PK	74.0	-8.9	1.77 V	321	58.80	6.30
2	5460.00	50.8 AV	54.0	-3.2	1.77 V	321	44.50	6.30
3	#5470.00	69.3 PK	74.0	-4.7	1.77 V	321	63.00	6.30
4	#5470.00	53.4 AV	54.0	-0.6	1.77 V	321	47.10	6.30
5	*5500.00	119.5 PK			1.88 V	286	79.10	40.40
6	*5500.00	108.8 AV			1.88 V	286	68.40	40.40
7	11000.00	61.0 PK	74.0	-13.0	1.32 V	69	41.50	19.50
8	11000.00	49.6 AV	54.0	-4.4	1.32 V	69	30.10	19.50

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	117.8 PK			1.94 H	253	77.30	40.50
2	*5580.00	107.5 AV			1.94 H	253	67.00	40.50
3	11160.00	60.5 PK	74.0	-13.5	1.06 H	35	40.50	20.00
4	11160.00	48.5 AV	54.0	-5.5	1.06 H	35	28.50	20.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	122.1 PK			1.75 V	283	81.60	40.50
2	*5580.00	111.4 AV			1.75 V	283	70.90	40.50
3	11160.00	62.6 PK	74.0	-11.4	1.32 V	85	42.60	20.00
4	11160.00	50.1 AV	54.0	-3.9	1.32 V	85	30.10	20.00

**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.



CHANNEL	TX Channel 120	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	*5600.00	117.1 PK			1.88 H	251	76.60	40.50
2	*5600.00	106.9 AV			1.88 H	251	66.40	40.50
3	#5725.00	60.4 PK	74.0	-13.6	1.74 H	263	53.70	6.70
4	#5725.00	47.9 AV	54.0	-6.1	1.74 H	263	41.20	6.70
5	11200.00	60.6 PK	74.0	-13.4	1.06 H	35	40.60	20.00
6	11200.00	48.1 AV	54.0	-5.9	1.06 H	35	28.10	20.00

**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	*5600.00	121.7 PK			1.91 V	283	81.20	40.50
2	*5600.00	110.9 AV			1.91 V	283	70.40	40.50
3	#5725.00	64.5 PK	74.0	-9.5	1.85 V	284	57.80	6.70
4	#5725.00	49.5 AV	54.0	-4.5	1.85 V	284	42.80	6.70
5	11200.00	61.5 PK	74.0	-12.5	1.05 V	96	41.50	20.00
6	11200.00	50.1 AV	54.0	-3.9	1.05 V	96	30.10	20.00

**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 124	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	*5620.00	117.0 PK			1.94 H	254	76.40	40.60
2	*5620.00	106.8 AV			1.94 H	254	66.20	40.60
3	#5725.00	61.6 PK	74.0	-12.4	1.96 H	256	54.90	6.70
4	#5725.00	48.3 AV	54.0	-5.7	1.96 H	256	41.60	6.70
5	11240.00	60.3 PK	74.0	-13.7	1.07 H	85	40.20	20.10
6	11240.00	48.8 AV	54.0	-5.2	1.07 H	85	28.70	20.10

**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	*5620.00	121.8 PK			1.90 V	275	81.20	40.60
2	*5620.00	109.9 AV			1.90 V	275	69.30	40.60
3	#5725.00	64.2 PK	74.0	-9.8	1.96 V	261	57.50	6.70
4	#5725.00	51.6 AV	54.0	-2.4	1.96 V	261	44.90	6.70
5	11240.00	61.6 PK	74.0	-12.4	1.25 V	98	41.50	20.10
6	11240.00	50.2 AV	54.0	-3.8	1.25 V	98	30.10	20.10

**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 128	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	*5640.00	117.2 PK			2.07 H	255	76.50	40.70
2	*5640.00	106.8 AV			2.07 H	255	66.10	40.70
3	#5725.00	60.6 PK	74.0	-13.4	2.10 H	268	53.90	6.70
4	#5725.00	47.3 AV	54.0	-6.7	2.10 H	268	40.60	6.70
5	11280.00	61.4 PK	74.0	-12.6	1.06 H	97	41.20	20.20
6	11280.00	48.6 AV	54.0	-5.4	1.06 H	97	28.40	20.20

**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	*5640.00	85.2 PK			1.55 V	41	78.70	6.50
2	*5640.00	74.8 AV			1.55 V	41	68.30	6.50
3	#5725.00	63.6 PK	74.0	-10.4	1.98 V	21	56.90	6.70
4	#5725.00	50.2 AV	54.0	-3.8	1.98 V	21	43.50	6.70
5	11280.00	61.7 PK	74.0	-12.3	1.05 V	96	41.50	20.20
6	11280.00	50.3 AV	54.0	-3.7	1.05 V	96	30.10	20.20

**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	113.8 PK			1.85 H	253	72.90	40.90
2	*5700.00	103.2 AV			1.85 H	253	62.30	40.90
3	#5725.00	72.7 PK	74.0	-1.3	1.93 H	249	66.00	6.70
4	#5725.00	52.9 AV	54.0	-1.1	1.93 H	249	46.20	6.70
5	11400.00	61.2 PK	74.0	-12.8	1.05 H	64	40.60	20.60
6	11400.00	49.0 AV	54.0	-5.0	1.05 H	64	28.40	20.60

**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	1140.00	35.4 PK	74.0	-38.6	1.05 V	98	41.50	-6.10
2	1140.00	24.0 AV	54.0	-30.0	1.05 V	98	30.10	-6.10
3	*5700.00	114.2 PK			1.67 V	34	73.30	40.90
4	*5700.00	104.8 AV			1.67 V	34	63.90	40.90
5	#5725.00	72.8 PK	74.0	-1.2	1.94 V	279	66.10	6.70
6	#5725.00	53.8 AV	54.0	-0.2	1.94 V	279	47.10	6.70

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	58.9 PK	74.0	-15.1	2.10 H	268	52.60	6.30
2	#5470.00	46.1 AV	54.0	-7.9	2.10 H	268	39.80	6.30
3	*5720.00	117.6 PK			2.00 H	255	76.70	40.90
4	*5720.00	107.0 AV			2.00 H	255	66.10	40.90
5	#5850.00	59.8 PK	74.0	-14.2	2.17 H	269	52.80	7.00
6	#5850.00	46.9 AV	54.0	-7.1	2.17 H	269	39.90	7.00
7	11440.00	61.0 PK	74.0	-13.0	1.06 H	98	40.50	20.50
8	11440.00	48.9 AV	54.0	-5.1	1.06 H	98	28.40	20.50

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	60.3 PK	74.0	-13.7	1.96 V	285	54.00	6.30
2	#5470.00	48.1 AV	54.0	-5.9	1.96 V	285	41.80	6.30
3	*5720.00	122.1 PK			1.94 V	281	81.20	40.90
4	*5720.00	111.0 AV			1.94 V	281	70.10	40.90
5	#5850.00	62.6 PK	74.0	-11.4	1.93 V	284	55.60	7.00
6	#5850.00	48.9 AV	54.0	-5.1	1.93 V	284	41.90	7.00
7	11440.00	63.1 PK	74.0	-10.9	1.23 V	65	42.60	20.50
8	11440.00	50.6 AV	54.0	-3.4	1.23 V	65	30.10	20.50

**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 149	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	#5612.80	60.1 PK	68.2	-8.1	1.87 H	260	53.80	6.30
2	*5745.00	118.3 PK			1.87 H	260	77.40	40.90
3	*5745.00	108.0 AV			1.87 H	260	67.10	40.90
4	#5944.80	59.9 PK	68.2	-8.3	1.87 H	260	52.80	7.10
5	11490.00	62.5 PK	74.0	-11.5	1.36 H	89	42.00	20.50
6	11490.00	49.5 AV	54.0	-4.5	1.36 H	89	29.00	20.50

**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	#5638.40	62.0 PK	68.2	-6.2	1.74 V	291	55.50	6.50
2	*5745.00	123.1 PK			1.74 V	291	82.20	40.90
3	*5745.00	112.5 AV			1.74 V	291	71.60	40.90
4	#5972.00	61.6 PK	68.2	-6.6	1.74 V	291	54.40	7.20
5	11490.00	63.2 PK	74.0	-10.8	1.25 V	116	42.70	20.50
6	11490.00	50.1 AV	54.0	-3.9	1.25 V	116	29.60	20.50

**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 157	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	#5634.40	59.7 PK	68.2	-8.5	1.99 H	273	53.20	6.50
2	*5785.00	116.9 PK			1.99 H	273	75.90	41.00
3	*5785.00	107.3 AV			1.99 H	273	66.30	41.00
4	#5938.40	60.5 PK	68.2	-7.7	1.99 H	273	53.40	7.10
5	11570.00	62.1 PK	74.0	-11.9	1.33 H	82	41.80	20.30
6	11570.00	49.2 AV	54.0	-4.8	1.33 H	82	28.90	20.30

**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	#5628.00	62.4 PK	68.2	-5.8	1.78 V	293	55.90	6.50
2	*5785.00	122.7 PK			1.78 V	293	81.70	41.00
3	*5785.00	112.6 AV			1.78 V	293	71.60	41.00
4	#5948.80	61.2 PK	68.2	-7.0	1.78 V	293	54.00	7.20
5	11570.00	62.8 PK	74.0	-11.2	1.28 V	112	42.50	20.30
6	11570.00	49.7 AV	54.0	-4.3	1.28 V	112	29.40	20.30

**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.

CHANNEL	TX Channel 165	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	#5640.00	59.3 PK	68.2	-8.9	1.97 H	255	52.80	6.50
2	*5825.00	116.3 PK			1.97 H	255	75.10	41.20
3	*5825.00	106.1 AV			1.97 H	255	64.90	41.20
4	#5973.60	58.6 PK	68.2	-9.6	1.97 H	255	51.40	7.20
5	11650.00	61.6 PK	74.0	-12.4	1.30 H	80	41.70	19.90
6	11650.00	48.4 AV	54.0	-5.6	1.30 H	80	28.50	19.90

**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	#5618.40	60.7 PK	68.2	-7.5	1.71 V	292	54.30	6.40
2	*5825.00	122.4 PK			1.71 V	292	81.20	41.20
3	*5825.00	112.2 AV			1.71 V	292	71.00	41.20
4	#5944.80	61.6 PK	68.2	-6.6	1.71 V	292	54.50	7.10
5	11650.00	62.3 PK	74.0	-11.7	1.29 V	110	42.40	19.90
6	11650.00	49.2 AV	54.0	-4.8	1.29 V	110	29.30	19.90

**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 (VHT40)**

CHANNEL	TX Channel 38	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	66.1 PK	74.0	-7.9	2.03 H	266	60.10	6.00
2	5150.00	50.0 AV	54.0	-4.0	2.03 H	266	44.00	6.00
3	*5190.00	109.0 PK			1.96 H	260	68.90	40.10
4	*5190.00	98.1 AV			1.96 H	260	58.00	40.10
5	#10380.00	58.8 PK	74.0	-15.2	1.47 H	36	41.00	17.80
6	#10380.00	45.9 AV	54.0	-8.1	1.47 H	36	28.10	17.80

**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	68.2 PK	74.0	-5.8	1.74 V	293	62.20	6.00
2	5150.00	52.7 AV	54.0	-1.3	1.74 V	293	46.70	6.00
3	*5190.00	112.5 PK			1.85 V	287	72.40	40.10
4	*5190.00	102.3 AV			1.85 V	287	62.20	40.10
5	#10380.00	58.4 PK	74.0	-15.6	1.29 V	133	40.60	17.80
6	#10380.00	46.1 AV	54.0	-7.9	1.29 V	133	28.30	17.80

**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 46	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	63.1 PK	74.0	-10.9	1.90 H	262	57.10	6.00
2	5150.00	49.0 AV	54.0	-5.0	1.90 H	262	43.00	6.00
3	*5230.00	112.6 PK			1.94 H	256	72.40	40.20
4	*5230.00	102.3 AV			1.94 H	256	62.10	40.20
5	5350.00	60.6 PK	74.0	-13.4	1.99 H	244	54.40	6.20
6	5350.00	48.1 AV	54.0	-5.9	1.99 H	244	41.90	6.20
7	#10460.00	58.8 PK	74.0	-15.2	1.53 H	38	40.80	18.00
8	#10460.00	46.1 AV	54.0	-7.9	1.53 H	38	28.10	18.00

**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	67.0 PK	74.0	-7.0	1.84 V	256	61.00	6.00
2	5150.00	52.6 AV	54.0	-1.4	1.84 V	256	46.60	6.00
3	*5230.00	118.9 PK			1.92 V	277	78.70	40.20
4	*5230.00	108.0 AV			1.92 V	277	67.80	40.20
5	5350.00	61.9 PK	74.0	-12.1	1.96 V	289	55.70	6.20
6	5350.00	50.4 AV	54.0	-3.6	1.96 V	289	44.20	6.20
7	#10460.00	58.4 PK	74.0	-15.6	1.31 V	138	40.40	18.00
8	#10460.00	45.8 AV	54.0	-8.2	1.31 V	138	27.80	18.00

**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 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	58.2 PK	74.0	-15.8	1.91 H	248	52.20	6.00
2	5150.00	45.5 AV	54.0	-8.5	1.91 H	248	39.50	6.00
3	*5270.00	110.7 PK			1.95 H	253	70.50	40.20
4	*5270.00	100.9 AV			1.95 H	253	60.70	40.20
5	5350.00	62.8 PK	74.0	-11.2	2.01 H	259	56.60	6.20
6	5350.00	48.8 AV	54.0	-5.2	2.01 H	259	42.60	6.20
7	#10540.00	59.3 PK	74.0	-14.7	1.49 H	33	40.90	18.40
8	#10540.00	46.7 AV	54.0	-7.3	1.49 H	33	28.30	18.40

**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	60.7 PK	74.0	-13.3	1.89 V	295	54.70	6.00
2	5150.00	49.0 AV	54.0	-5.0	1.89 V	295	43.00	6.00
3	*5270.00	117.8 PK			1.81 V	281	77.60	40.20
4	*5270.00	106.8 AV			1.81 V	281	66.60	40.20
5	5350.00	65.9 PK	74.0	-8.1	1.68 V	15	59.70	6.20
6	5350.00	52.6 AV	54.0	-1.4	1.68 V	15	46.40	6.20
7	#10540.00	58.9 PK	74.0	-15.1	1.32 V	152	40.50	18.40
8	#10540.00	46.4 AV	54.0	-7.6	1.32 V	152	28.00	18.40

**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	5150.00	56.6 PK	74.0	-17.4	1.90 H	235	50.60	6.00
2	5150.00	44.3 AV	54.0	-9.7	1.90 H	235	38.30	6.00
3	*5310.00	106.6 PK			1.96 H	244	66.40	40.20
4	*5310.00	97.2 AV			1.96 H	244	57.00	40.20
5	5350.00	63.4 PK	74.0	-10.6	2.03 H	250	57.20	6.20
6	5350.00	48.2 AV	54.0	-5.8	2.03 H	250	42.00	6.20
7	10620.00	59.9 PK	74.0	-14.1	1.57 H	48	41.10	18.80
8	10620.00	47.1 AV	54.0	-6.9	1.57 H	48	28.30	18.80

**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	60.4 PK	74.0	-13.6	1.79 V	293	54.40	6.00
2	5150.00	46.2 AV	54.0	-7.8	1.79 V	293	40.20	6.00
3	*5310.00	113.8 PK			1.89 V	285	73.60	40.20
4	*5310.00	102.5 AV			1.89 V	285	62.30	40.20
5	5350.00	68.7 PK	74.0	-5.3	1.55 V	23	62.50	6.20
6	5350.00	52.4 AV	54.0	-1.6	1.55 V	23	46.20	6.20
7	10620.00	59.2 PK	74.0	-14.8	1.37 V	150	40.40	18.80
8	10620.00	46.9 AV	54.0	-7.1	1.37 V	150	28.10	18.80

**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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.5 PK	74.0	-15.5	1.98 H	254	52.20	6.30
2	5460.00	46.9 AV	54.0	-7.1	1.98 H	254	40.60	6.30
3	#5470.00	62.6 PK	74.0	-11.4	2.10 H	267	56.30	6.30
4	#5470.00	48.6 AV	54.0	-5.4	2.10 H	267	42.30	6.30
5	*5510.00	106.7 PK			2.02 H	258	66.30	40.40
6	*5510.00	96.8 AV			2.02 H	258	56.40	40.40
7	11020.00	60.8 PK	74.0	-13.2	1.50 H	44	41.30	19.50
8	11020.00	47.6 AV	54.0	-6.4	1.50 H	44	28.10	19.50

**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	64.9 PK	74.0	-9.1	1.83 V	295	58.60	6.30
2	5460.00	50.3 AV	54.0	-3.7	1.83 V	295	44.00	6.30
3	#5470.00	66.8 PK	74.0	-7.2	1.69 V	311	60.50	6.30
4	#5470.00	53.2 AV	54.0	-0.8	1.69 V	311	46.90	6.30
5	*5510.00	113.1 PK			1.81 V	287	72.70	40.40
6	*5510.00	102.7 AV			1.81 V	287	62.30	40.40
7	11020.00	60.6 PK	74.0	-13.4	1.34 V	168	41.10	19.50
8	11020.00	47.7 AV	54.0	-6.3	1.34 V	168	28.20	19.50

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.9 PK	74.0	-15.1	1.90 H	250	52.60	6.30
2	5460.00	46.9 AV	54.0	-7.1	1.90 H	250	40.60	6.30
3	#5470.00	61.4 PK	74.0	-12.6	2.00 H	271	55.10	6.30
4	#5470.00	48.3 AV	54.0	-5.7	2.00 H	271	42.00	6.30
5	*5550.00	111.3 PK			1.99 H	252	70.80	40.50
6	*5550.00	101.5 AV			1.99 H	252	61.00	40.50
7	11100.00	61.2 PK	74.0	-12.8	1.56 H	62	41.20	20.00
8	11100.00	48.2 AV	54.0	-5.8	1.56 H	62	28.20	20.00

**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	61.6 PK	74.0	-12.4	1.85 V	277	55.30	6.30
2	5460.00	50.0 AV	54.0	-4.0	1.85 V	277	43.70	6.30
3	#5470.00	66.2 PK	74.0	-7.8	1.78 V	69	59.90	6.30
4	#5470.00	52.8 AV	54.0	-1.2	1.78 V	69	46.50	6.30
5	*5550.00	116.0 PK			1.92 V	288	75.50	40.50
6	*5550.00	106.0 AV			1.92 V	288	65.50	40.50
7	11100.00	60.9 PK	74.0	-13.1	1.27 V	164	40.90	20.00
8	11100.00	48.0 AV	54.0	-6.0	1.27 V	164	28.00	20.00

**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.

CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	67.5 PK	74.0	-6.5	1.75 H	278	60.80	6.70
2	#5470.00	50.5 AV	54.0	-3.5	1.75 H	278	43.80	6.70
3	*5590.00	116.6 PK			1.74 H	260	75.50	41.10
4	*5590.00	105.1 AV			1.74 H	260	64.00	41.10
5	#5850.00	62.3 PK	74.0	-11.7	1.95 H	278	54.60	7.70
6	#5850.00	49.6 AV	54.0	-4.4	1.95 H	278	41.90	7.70
7	11180.00	61.3 PK	74.0	-12.7	1.32 H	64	41.50	19.80
8	11180.00	48.2 AV	54.0	-5.8	1.32 H	64	28.40	19.80

**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	67.1 PK	74.0	-6.9	1.85 V	298	60.40	6.70
2	#5470.00	52.9 AV	54.0	-1.1	1.85 V	298	46.20	6.70
3	*5590.00	116.6 PK			1.62 V	352	75.50	41.10
4	*5590.00	106.0 AV			1.62 V	352	64.90	41.10
5	#5850.00	62.4 PK	74.0	-11.6	1.96 V	277	54.70	7.70
6	#5850.00	48.6 AV	54.0	-5.4	1.96 V	277	40.90	7.70
7	11180.00	61.6 PK	74.0	-12.4	1.33 V	65	41.80	19.80
8	11180.00	49.5 AV	54.0	-4.5	1.33 V	65	29.70	19.80

**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 126	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	*5630.00	113.7 PK			1.71 H	256	72.50	41.20
2	*5630.00	104.0 AV			1.71 H	256	62.80	41.20
3	#5725.00	66.0 PK	74.0	-8.0	1.85 H	269	58.70	7.30
4	#5725.00	52.1 AV	54.0	-1.9	1.85 H	269	44.80	7.30
5	11260.00	60.2 PK	74.0	-13.8	1.47 H	85	40.30	19.90
6	11260.00	48.3 AV	54.0	-5.7	1.47 H	85	28.40	19.90

**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	*5630.00	117.1 PK			1.87 V	284	75.90	41.20
2	*5630.00	107.1 AV			1.87 V	284	65.90	41.20
3	#5725.00	70.2 PK	74.0	-3.8	1.84 V	280	62.90	7.30
4	#5725.00	53.3 AV	54.0	-0.7	1.84 V	280	46.00	7.30
5	11260.00	60.5 PK	74.0	-13.5	1.25 V	96	40.60	19.90
6	11260.00	48.6 AV	54.0	-5.4	1.25 V	96	28.70	19.90

**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	110.4 PK			1.99 H	252	69.70	40.70
2	*5670.00	100.2 AV			1.99 H	252	59.50	40.70
3	#5725.00	66.2 PK	74.0	-7.8	1.95 H	243	59.50	6.70
4	#5725.00	51.4 AV	54.0	-2.6	1.95 H	243	44.70	6.70
5	11340.00	61.8 PK	74.0	-12.2	1.56 H	62	41.30	20.50
6	11340.00	49.0 AV	54.0	-5.0	1.56 H	62	28.50	20.50

**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	113.7 PK			1.91 V	280	73.00	40.70
2	*5670.00	103.1 AV			1.91 V	280	62.40	40.70
3	#5725.00	68.5 PK	74.0	-5.5	1.78 V	268	61.80	6.70
4	#5725.00	52.3 AV	54.0	-1.7	1.78 V	268	45.60	6.70
5	11340.00	61.5 PK	74.0	-12.5	1.30 V	157	41.00	20.50
6	11340.00	48.7 AV	54.0	-5.3	1.30 V	157	28.20	20.50

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.7 PK	74.0	-17.3	1.97 H	250	50.40	6.30
2	#5470.00	46.5 AV	54.0	-7.5	1.97 H	250	40.20	6.30
3	*5710.00	114.7 PK			2.03 H	255	73.80	40.90
4	*5710.00	104.5 AV			2.03 H	255	63.60	40.90
5	#5850.00	59.4 PK	74.0	-14.6	2.08 H	259	52.40	7.00
6	#5850.00	48.2 AV	54.0	-5.8	2.08 H	259	41.20	7.00
7	11420.00	61.6 PK	74.0	-12.4	1.48 H	27	41.00	20.60
8	11420.00	48.5 AV	54.0	-5.5	1.48 H	27	27.90	20.60

**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	58.4 PK	74.0	-15.6	1.80 V	271	52.10	6.30
2	#5470.00	48.7 AV	54.0	-5.3	1.80 V	271	42.40	6.30
3	*5710.00	119.4 PK			1.86 V	278	78.50	40.90
4	*5710.00	108.9 AV			1.86 V	278	68.00	40.90
5	#5850.00	62.2 PK	74.0	-11.8	1.67 V	302	55.20	7.00
6	#5850.00	50.5 AV	54.0	-3.5	1.67 V	302	43.50	7.00
7	11420.00	61.3 PK	74.0	-12.7	1.34 V	122	40.70	20.60
8	11420.00	48.1 AV	54.0	-5.9	1.34 V	122	27.50	20.60

**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 151	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	#5626.40	62.5 PK	68.2	-5.7	1.91 H	259	56.00	6.50
2	*5755.00	115.6 PK			1.91 H	259	74.60	41.00
3	*5755.00	105.7 AV			1.91 H	259	64.70	41.00
4	#5948.80	59.7 PK	68.2	-8.5	1.91 H	259	52.50	7.20
5	11510.00	60.7 PK	74.0	-13.3	1.44 H	56	40.30	20.40
6	11510.00	48.2 AV	54.0	-5.8	1.44 H	56	27.80	20.40

**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	#5640.80	64.0 PK	68.2	-4.2	1.86 V	288	57.50	6.50
2	*5755.00	120.5 PK			1.86 V	288	79.50	41.00
3	*5755.00	109.5 AV			1.86 V	288	68.50	41.00
4	#5932.00	62.1 PK	68.2	-6.1	1.86 V	288	55.00	7.10
5	11510.00	60.9 PK	74.0	-13.1	1.20 V	101	40.50	20.40
6	11510.00	48.4 AV	54.0	-5.6	1.20 V	101	28.00	20.40

**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 159	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	#5644.80	60.2 PK	68.2	-8.0	1.98 H	254	53.70	6.50
2	*5795.00	114.5 PK			1.98 H	254	73.40	41.10
3	*5795.00	104.4 AV			1.98 H	254	63.30	41.10
4	#5938.40	60.5 PK	68.2	-7.7	1.98 H	254	53.40	7.10
5	11590.00	61.2 PK	74.0	-12.8	1.48 H	52	41.00	20.20
6	11590.00	48.6 AV	54.0	-5.4	1.48 H	52	28.40	20.20

**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	#5627.20	62.6 PK	68.2	-5.6	1.77 V	294	56.10	6.50
2	*5795.00	120.1 PK			1.77 V	294	79.00	41.10
3	*5795.00	109.8 AV			1.77 V	294	68.70	41.10
4	#5932.00	63.9 PK	68.2	-4.3	1.77 V	294	56.80	7.10
5	11590.00	61.4 PK	74.0	-12.6	1.21 V	104	41.20	20.20
6	11590.00	48.4 AV	54.0	-5.6	1.21 V	104	28.20	20.20

**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.

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CHANNEL	TX Channel 42	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	63.4 PK	74.0	-10.6	1.85 H	247	57.40	6.00
2	5150.00	48.2 AV	54.0	-5.8	1.85 H	247	42.20	6.00
3	*5210.00	105.0 PK			1.90 H	253	64.90	40.10
4	*5210.00	94.8 AV			1.90 H	253	54.70	40.10
5	5350.00	58.2 PK	74.0	-15.8	1.93 H	259	52.00	6.20
6	5350.00	46.2 AV	54.0	-7.8	1.93 H	259	40.00	6.20
7	#10420.00	59.2 PK	74.0	-14.8	1.42 H	75	41.20	18.00
8	#10420.00	46.5 AV	54.0	-7.5	1.42 H	75	28.50	18.00

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	69.3 PK	74.0	-4.7	1.87 V	265	63.30	6.00
2	5150.00	51.2 AV	54.0	-2.8	1.87 V	265	45.20	6.00
3	*5210.00	112.0 PK			1.91 V	280	71.90	40.10
4	*5210.00	99.6 AV			1.91 V	280	59.50	40.10
5	5350.00	59.5 PK	74.0	-14.5	1.96 V	284	53.30	6.20
6	5350.00	47.2 AV	54.0	-6.8	1.96 V	284	41.00	6.20
7	#10420.00	59.0 PK	74.0	-15.0	1.35 V	119	41.00	18.00
8	#10420.00	46.4 AV	54.0	-7.6	1.35 V	119	28.40	18.00

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 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	56.7 PK	74.0	-17.3	1.99 H	248	50.70	6.00
2	5150.00	44.7 AV	54.0	-9.3	1.99 H	248	38.70	6.00
3	*5290.00	103.6 PK			2.03 H	254	63.40	40.20
4	*5290.00	93.6 AV			2.03 H	254	53.40	40.20
5	5350.00	63.8 PK	74.0	-10.2	2.08 H	261	57.60	6.20
6	5350.00	47.5 AV	54.0	-6.5	2.08 H	261	41.30	6.20
7	#10580.00	60.0 PK	74.0	-14.0	1.58 H	79	41.40	18.60
8	#10580.00	47.0 AV	54.0	-7.0	1.58 H	79	28.40	18.60

**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	58.5 PK	74.0	-15.5	1.94 V	282	52.50	6.00
2	5150.00	46.3 AV	54.0	-7.7	1.94 V	282	40.30	6.00
3	*5290.00	110.2 PK			2.00 V	277	70.00	40.20
4	*5290.00	98.8 AV			2.00 V	277	58.60	40.20
5	5350.00	70.6 PK	74.0	-3.4	1.82 V	315	64.40	6.20
6	5350.00	51.0 AV	54.0	-3.0	1.82 V	315	44.80	6.20
7	#10580.00	59.7 PK	74.0	-14.3	1.37 V	109	41.10	18.60
8	#10580.00	46.8 AV	54.0	-7.2	1.37 V	109	28.20	18.60

**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	57.6 PK	74.0	-16.4	2.01 H	257	51.30	6.30
2	5460.00	47.1 AV	54.0	-6.9	2.01 H	257	40.80	6.30
3	#5470.00	61.7 PK	74.0	-12.3	1.93 H	241	55.40	6.30
4	#5470.00	48.2 AV	54.0	-5.8	1.93 H	241	41.90	6.30
5	*5530.00	103.9 PK			1.98 H	253	63.50	40.40
6	*5530.00	93.2 AV			1.98 H	253	52.80	40.40
7	11060.00	61.1 PK	74.0	-12.9	1.55 H	70	41.30	19.80
8	11060.00	48.4 AV	54.0	-5.6	1.55 H	70	28.60	19.80

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.6 PK	74.0	-8.4	1.92 V	296	59.30	6.30
2	5460.00	51.3 AV	54.0	-2.7	1.92 V	296	45.00	6.30
3	#5470.00	64.8 PK	74.0	-9.2	1.74 V	320	58.50	6.30
4	#5470.00	52.5 AV	54.0	-1.5	1.74 V	320	46.20	6.30
5	*5530.00	109.8 PK			2.88 V	285	69.40	40.40
6	*5530.00	98.8 AV			2.88 V	285	58.40	40.40
7	11060.00	60.9 PK	74.0	-13.1	1.39 V	103	41.10	19.80
8	11060.00	48.0 AV	54.0	-6.0	1.39 V	103	28.20	19.80

**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	#5470.00	68.3 PK	74.0	-5.7	1.74 H	269	61.60	6.70
2	#5470.00	52.3 AV	54.0	-1.7	1.74 H	269	45.60	6.70
3	*5610.00	110.1 PK			1.80 H	253	69.00	41.10
4	*5610.00	99.1 AV			1.80 H	253	58.00	41.10
5	#5640.00	66.4 PK	74.0	-7.6	1.71 H	271	59.40	7.00
6	#5640.00	50.9 AV	54.0	-3.1	1.71 H	271	43.90	7.00
7	11220.00	60.5 PK	74.0	-13.5	1.32 H	65	40.60	19.90
8	11220.00	48.6 AV	54.0	-5.4	1.32 H	65	28.70	19.90

**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	67.4 PK	74.0	-6.6	1.70 V	290	60.70	6.70
2	5460.00	51.5 AV	54.0	-2.5	1.70 V	290	44.80	6.70
3	#5470.00	67.2 PK	74.0	-6.8	1.67 V	281	60.50	6.70
4	#5470.00	53.2 AV	54.0	-0.8	1.67 V	281	46.50	6.70
5	*5610.00	113.8 PK			1.89 V	281	72.70	41.10
6	*5610.00	102.7 AV			1.89 V	281	61.60	41.10
7	11220.00	61.5 PK	74.0	-12.5	1.54 V	87	41.60	19.90
8	11220.00	49.8 AV	54.0	-4.2	1.54 V	87	29.90	19.90

**REMARKS:**

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



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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.9 PK	74.0	-17.1	2.05 H	267	50.60	6.30
2	#5470.00	45.5 AV	54.0	-8.5	2.05 H	267	39.20	6.30
3	*5690.00	110.2 PK			1.98 H	253	69.40	40.80
4	*5690.00	99.7 AV			1.98 H	253	58.90	40.80
5	#5850.00	61.3 PK	74.0	-12.7	1.88 H	240	54.30	7.00
6	#5850.00	49.8 AV	54.0	-4.2	1.88 H	240	42.80	7.00
7	11380.00	62.2 PK	74.0	-11.8	1.44 H	65	41.70	20.50
8	11380.00	48.9 AV	54.0	-5.1	1.44 H	65	28.40	20.50

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	60.2 PK	74.0	-13.8	1.90 V	299	53.90	6.30
2	#5470.00	47.4 AV	54.0	-6.6	1.90 V	299	41.10	6.30
3	*5690.00	115.4 PK			1.85 V	289	74.60	40.80
4	*5690.00	102.8 AV			1.85 V	289	62.00	40.80
5	#5850.00	63.4 PK	74.0	-10.6	2.02 V	332	56.40	7.00
6	#5850.00	52.8 AV	54.0	-1.2	2.02 V	332	45.80	7.00
7	11380.00	61.8 PK	74.0	-12.2	1.22 V	100	41.30	20.50
8	11380.00	48.7 AV	54.0	-5.3	1.22 V	100	28.20	20.50

**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 155	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	#5640.00	63.4 PK	68.2	-4.8	1.98 H	258	56.90	6.50
2	*5775.00	109.6 PK			1.98 H	258	68.60	41.00
3	*5775.00	98.6 AV			1.98 H	258	57.60	41.00
4	#5931.20	61.1 PK	68.2	-7.1	1.98 H	258	54.00	7.10
5	11550.00	61.1 PK	74.0	-12.9	1.40 H	49	40.80	20.30
6	11550.00	48.2 AV	54.0	-5.8	1.40 H	49	27.90	20.30

**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	#5648.80	66.8 PK	68.2	-1.4	1.84 V	291	60.30	6.50
2	*5775.00	114.7 PK			1.84 V	291	73.70	41.00
3	*5775.00	104.3 AV			1.84 V	291	63.30	41.00
4	#5932.00	64.6 PK	68.2	-3.6	1.84 V	291	57.50	7.10
5	11550.00	60.9 PK	74.0	-13.1	1.29 V	106	40.60	20.30
6	11550.00	48.1 AV	54.0	-5.9	1.29 V	106	27.80	20.30

**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.

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CHANNEL	TX Channel 36	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	5150.00	62.9 PK	74.0	-11.1	2.39 H	310	56.90	6.00
2	5150.00	49.8 AV	54.0	-4.2	2.39 H	310	43.80	6.00
3	*5180.00	111.0 PK			2.21 H	298	70.90	40.10
4	*5180.00	100.7 AV			2.21 H	298	60.60	40.10
5	#10360.00	58.4 PK	74.0	-15.6	1.08 H	54	40.70	17.70
6	#10360.00	46.1 AV	54.0	-7.9	1.08 H	54	28.40	17.70

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	70.4 PK	74.0	-3.6	1.56 V	19	64.40	6.00
2	5150.00	52.9 AV	54.0	-1.1	1.56 V	19	46.90	6.00
3	*5180.00	114.5 PK			2.00 V	317	74.40	40.10
4	*5180.00	104.4 AV			2.00 V	317	64.30	40.10
5	#10360.00	59.6 PK	74.0	-14.4	1.08 V	54	41.90	17.70
6	#10360.00	47.8 AV	54.0	-6.2	1.08 V	54	30.10	17.70

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 40	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	67.5 PK	74.0	-6.5	1.97 H	304	61.50	6.00
2	5150.00	51.9 AV	54.0	-2.1	1.97 H	304	45.90	6.00
3	*5200.00	117.2 PK			1.94 H	299	77.10	40.10
4	*5200.00	104.8 AV			1.94 H	299	64.70	40.10
5	#10400.00	58.6 PK	74.0	-15.4	1.05 H	69	40.60	18.00
6	#10400.00	46.5 AV	54.0	-7.5	1.05 H	69	28.50	18.00

**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	69.2 PK	74.0	-4.8	1.35 V	331	63.20	6.00
<b>2</b>	<b>5150.00</b>	<b>53.9 AV</b>	<b>54.0</b>	<b>-0.1</b>	<b>1.35 V</b>	<b>331</b>	<b>47.90</b>	<b>6.00</b>
3	*5200.00	122.7 PK			1.92 V	271	82.60	40.10
4	*5200.00	109.5 AV			1.92 V	271	69.40	40.10
5	#10400.00	59.5 PK	74.0	-14.5	1.05 V	98	41.50	18.00
6	#10400.00	48.1 AV	54.0	-5.9	1.05 V	98	30.10	18.00

**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 48	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	*5240.00	117.4 PK			2.00 H	297	77.20	40.20
2	*5240.00	105.3 AV			2.00 H	297	65.10	40.20
3	5350.00	59.8 PK	74.0	-14.2	1.05 H	26	53.60	6.20
4	5350.00	48.8 AV	54.0	-5.2	1.05 H	26	42.60	6.20
5	#10480.00	58.5 PK	74.0	-15.5	1.05 H	64	40.30	18.20
6	#10480.00	46.3 AV	54.0	-7.7	1.05 H	64	28.10	18.20

**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	*5240.00	122.9 PK			1.93 V	274	82.70	40.20
2	*5240.00	109.6 AV			1.93 V	274	69.40	40.20
3	5350.00	64.0 PK	74.0	-10.0	1.82 V	290	57.80	6.20
4	5350.00	51.5 AV	54.0	-2.5	1.82 V	290	45.30	6.20
5	#10480.00	59.8 PK	74.0	-14.2	1.08 V	54	41.60	18.20
6	#10480.00	48.3 AV	54.0	-5.7	1.08 V	54	30.10	18.20

**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 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	60.7 PK	74.0	-13.3	2.00 H	264	54.70	6.00
2	5150.00	47.6 AV	54.0	-6.4	2.00 H	264	41.60	6.00
3	*5260.00	117.8 PK			1.94 H	256	77.60	40.20
4	*5260.00	106.3 AV			1.94 H	256	66.10	40.20
5	#10520.00	58.9 PK	74.0	-15.1	1.07 H	41	40.60	18.30
6	#10520.00	47.0 AV	54.0	-7.0	1.07 H	41	28.70	18.30

**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	60.7 PK	74.0	-13.3	1.83 V	0	54.70	6.00
2	5150.00	48.9 AV	54.0	-5.1	1.83 V	0	42.90	6.00
3	*5260.00	121.9 PK			1.97 V	303	81.70	40.20
4	*5260.00	108.8 AV			1.97 V	303	68.60	40.20
5	#10520.00	59.6 PK	74.0	-14.4	1.08 V	97	41.30	18.30
6	#10520.00	48.4 AV	54.0	-5.6	1.08 V	97	30.10	18.30

**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	116.3 PK			1.92 H	253	76.10	40.20
2	*5300.00	104.9 AV			1.92 H	253	64.70	40.20
3	5350.00	66.7 PK	74.0	-7.3	1.90 H	257	60.50	6.20
4	5350.00	51.4 AV	54.0	-2.6	1.90 H	257	45.20	6.20
5	10600.00	59.3 PK	74.0	-14.7	1.07 H	85	40.60	18.70
6	10600.00	47.1 AV	54.0	-6.9	1.07 H	85	28.40	18.70

**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	120.4 PK			1.90 V	287	80.20	40.20
2	*5300.00	110.5 AV			1.90 V	287	70.30	40.20
3	5350.00	66.1 PK	74.0	-7.9	1.89 V	26	59.90	6.20
4	5350.00	53.3 AV	54.0	-0.7	1.89 V	26	47.10	6.20
5	10600.00	60.6 PK	74.0	-13.4	1.05 V	64	41.90	18.70
6	10600.00	48.8 AV	54.0	-5.2	1.05 V	64	30.10	18.70

**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.

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	112.8 PK			1.83 H	256	72.60	40.20
2	*5320.00	101.8 AV			1.83 H	256	61.60	40.20
3	5350.00	67.1 PK	74.0	-6.9	1.71 H	268	60.90	6.20
4	5350.00	52.1 AV	54.0	-1.9	1.71 H	268	45.90	6.20
5	10640.00	59.6 PK	74.0	-14.4	1.07 H	84	40.60	19.00
6	10640.00	47.4 AV	54.0	-6.6	1.07 H	84	28.40	19.00

**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	117.0 PK			1.86 V	280	76.80	40.20
2	*5320.00	106.2 AV			1.86 V	280	66.00	40.20
3	5350.00	66.7 PK	74.0	-7.3	1.85 V	30	60.50	6.20
4	5350.00	52.7 AV	54.0	-1.3	1.85 V	30	46.50	6.20
5	10640.00	60.9 PK	74.0	-13.1	1.07 V	84	41.90	19.00
6	10640.00	49.1 AV	54.0	-4.9	1.07 V	84	30.10	19.00

**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.



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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.2 PK	74.0	-12.8	2.14 H	247	54.90	6.30
2	5460.00	47.2 AV	54.0	-6.8	2.14 H	247	40.90	6.30
3	#5470.00	66.8 PK	74.0	-7.2	2.39 H	268	60.50	6.30
4	#5470.00	49.9 AV	54.0	-4.1	2.39 H	268	43.60	6.30
5	*5500.00	114.1 PK			2.28 H	258	73.70	40.40
6	*5500.00	102.3 AV			2.28 H	258	61.90	40.40
7	11000.00	60.4 PK	74.0	-13.6	1.32 H	65	40.90	19.50
8	11000.00	48.0 AV	54.0	-6.0	1.32 H	65	28.50	19.50

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.3 PK	74.0	-11.7	1.48 V	308	56.00	6.30
2	5460.00	49.1 AV	54.0	-4.9	1.48 V	308	42.80	6.30
3	#5470.00	66.6 PK	74.0	-7.4	1.48 V	308	60.30	6.30
4	#5470.00	53.1 AV	54.0	-0.9	1.48 V	308	46.80	6.30
5	*5500.00	116.0 PK			1.00 V	44	75.60	40.40
6	*5500.00	104.3 AV			1.00 V	44	63.90	40.40
7	11000.00	61.0 PK	74.0	-13.0	1.26 V	97	41.50	19.50
8	11000.00	48.2 AV	54.0	-5.8	1.26 V	97	28.70	19.50

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	119.0 PK			2.93 H	249	78.50	40.50
2	*5580.00	108.9 AV			2.93 H	249	68.40	40.50
3	11160.00	63.0 PK	74.0	-11.0	1.57 H	284	43.00	20.00
4	11160.00	49.2 AV	54.0	-4.8	1.57 H	284	29.20	20.00

**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	123.3 PK			1.73 V	291	82.80	40.50
2	*5580.00	113.3 AV			1.73 V	291	72.80	40.50
3	11160.00	64.2 PK	74.0	-9.8	1.25 V	85	44.20	20.00
4	11160.00	52.0 AV	54.0	-2.0	1.25 V	85	32.00	20.00

**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.

CHANNEL	TX Channel 120	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	*5600.00	118.1 PK			2.46 H	253	77.60	40.50
2	*5600.00	107.4 AV			2.46 H	253	66.90	40.50
3	#5725.00	58.7 PK	74.0	-15.3	2.39 H	240	52.00	6.70
4	#5725.00	47.7 AV	54.0	-6.3	2.39 H	240	41.00	6.70
5	11200.00	61.9 PK	74.0	-12.1	1.69 H	296	41.90	20.00
6	11200.00	49.1 AV	54.0	-4.9	1.69 H	296	29.10	20.00

**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	*5600.00	122.9 PK			1.65 V	288	82.40	40.50
2	*5600.00	113.3 AV			1.65 V	288	72.80	40.50
3	#5725.00	64.1 PK	74.0	-9.9	1.77 V	255	57.40	6.70
4	#5725.00	51.1 AV	54.0	-2.9	1.77 V	255	44.40	6.70
5	11200.00	62.6 PK	74.0	-11.4	1.29 V	115	42.60	20.00
6	11200.00	50.9 AV	54.0	-3.1	1.29 V	115	30.90	20.00

**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 124	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	*5620.00	117.4 PK			2.90 H	254	76.80	40.60
2	*5620.00	107.2 AV			2.90 H	254	66.60	40.60
3	#5725.00	58.7 PK	74.0	-15.3	1.78 H	234	52.00	6.70
4	#5725.00	47.5 AV	54.0	-6.5	1.78 H	234	40.80	6.70
5	11240.00	62.2 PK	74.0	-11.8	1.72 H	303	42.10	20.10
6	11240.00	49.4 AV	54.0	-4.6	1.72 H	303	29.30	20.10

**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	*5620.00	122.7 PK			1.66 V	289	82.10	40.60
2	*5620.00	112.9 AV			1.66 V	289	72.30	40.60
3	#5725.00	61.8 PK	74.0	-12.2	1.76 V	299	55.10	6.70
4	#5725.00	51.0 AV	54.0	-3.0	1.76 V	299	44.30	6.70
5	11240.00	62.6 PK	74.0	-11.4	1.32 V	108	42.50	20.10
6	11240.00	50.6 AV	54.0	-3.4	1.32 V	108	30.50	20.10

**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 128	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	*5640.00	117.6 PK			2.95 H	258	76.90	40.70
2	*5640.00	107.4 AV			2.95 H	258	66.70	40.70
3	#5725.00	60.7 PK	74.0	-13.3	3.01 H	246	54.00	6.70
4	#5725.00	47.7 AV	54.0	-6.3	3.01 H	246	41.00	6.70
5	11280.00	62.5 PK	74.0	-11.5	1.85 H	320	42.30	20.20
6	11280.00	49.6 AV	54.0	-4.4	1.85 H	320	29.40	20.20

**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	*5640.00	123.3 PK			1.70 V	295	82.60	40.70
2	*5640.00	113.1 AV			1.70 V	295	72.40	40.70
3	#5725.00	61.5 PK	74.0	-12.5	1.78 V	281	54.80	6.70
4	#5725.00	51.5 AV	54.0	-2.5	1.78 V	281	44.80	6.70
5	11280.00	63.0 PK	74.0	-11.0	1.30 V	121	42.80	20.20
6	11280.00	51.3 AV	54.0	-2.7	1.30 V	121	31.10	20.20

**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	113.7 PK			2.39 H	287	72.80	40.90
2	*5700.00	103.6 AV			2.39 H	287	62.70	40.90
3	#5725.00	69.5 PK	74.0	-4.5	2.25 H	269	62.80	6.70
4	#5725.00	51.5 AV	54.0	-2.5	2.25 H	269	44.80	6.70
5	11400.00	62.8 PK	74.0	-11.2	1.61 H	312	42.20	20.60
6	11400.00	49.7 AV	54.0	-4.3	1.61 H	312	29.10	20.60

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	118.1 PK			1.69 V	299	77.20	40.90
2	*5700.00	108.2 AV			1.69 V	299	67.30	40.90
3	#5725.00	72.8 PK	74.0	-1.2	1.21 V	5	66.10	6.70
4	#5725.00	53.3 AV	54.0	-0.7	1.21 V	5	46.60	6.70
5	11400.00	63.0 PK	74.0	-11.0	1.33 V	92	42.40	20.60
6	11400.00	49.6 AV	54.0	-4.4	1.33 V	92	29.00	20.60

REMARKS:

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	56.2 PK	74.0	-17.8	3.11 H	266	49.90	6.30
2	#5470.00	45.6 AV	54.0	-8.4	3.11 H	266	39.30	6.30
3	*5720.00	117.3 PK			3.03 H	256	76.40	40.90
4	*5720.00	107.1 AV			3.03 H	256	66.20	40.90
5	#5850.00	57.7 PK	74.0	-16.3	2.98 H	234	50.70	7.00
6	#5850.00	47.1 AV	54.0	-6.9	2.98 H	234	40.10	7.00
7	11440.00	62.6 PK	74.0	-11.4	1.86 H	352	42.10	20.50
8	11440.00	49.9 AV	54.0	-4.1	1.86 H	352	29.40	20.50

**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	58.7 PK	74.0	-15.3	1.67 V	290	52.40	6.30
2	#5470.00	47.2 AV	54.0	-6.8	1.67 V	290	40.90	6.30
3	*5720.00	123.3 PK			1.60 V	300	82.40	40.90
4	*5720.00	112.9 AV			1.60 V	300	72.00	40.90
5	#5850.00	59.4 PK	74.0	-14.6	1.52 V	309	52.40	7.00
6	#5850.00	48.0 AV	54.0	-6.0	1.52 V	309	41.00	7.00
7	11440.00	63.1 PK	74.0	-10.9	1.27 V	188	42.60	20.50
8	11440.00	50.7 AV	54.0	-3.3	1.27 V	188	30.20	20.50

**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 149	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	#5644.00	59.1 PK	68.2	-9.1	1.95 H	252	52.60	6.50
2	*5745.00	116.9 PK			1.95 H	252	76.00	40.90
3	*5745.00	105.4 AV			1.95 H	252	64.50	40.90
4	#5951.20	59.6 PK	68.2	-8.6	1.95 H	252	52.40	7.20
5	11490.00	61.4 PK	74.0	-12.6	1.32 H	346	40.90	20.50
6	11490.00	48.6 AV	54.0	-5.4	1.32 H	346	28.10	20.50

**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	#5636.00	61.1 PK	68.2	-7.1	1.86 V	291	54.60	6.50
2	*5745.00	119.9 PK			1.86 V	291	79.00	40.90
3	*5745.00	109.8 AV			1.86 V	291	68.90	40.90
4	#5950.40	59.8 PK	68.2	-8.4	1.86 V	291	52.60	7.20
5	11490.00	60.9 PK	74.0	-13.1	1.18 V	203	40.40	20.50
6	11490.00	48.3 AV	54.0	-5.7	1.18 V	203	27.80	20.50

**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 157	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	#5632.80	58.7 PK	68.2	-9.5	1.92 H	254	52.20	6.50
2	*5785.00	116.4 PK			1.92 H	254	75.40	41.00
3	*5785.00	105.4 AV			1.92 H	254	64.40	41.00
4	#5948.80	59.0 PK	68.2	-9.2	1.92 H	254	51.80	7.20
5	11570.00	61.6 PK	74.0	-12.4	1.35 H	350	41.30	20.30
6	11570.00	48.6 AV	54.0	-5.4	1.35 H	350	28.30	20.30

**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	#5634.40	63.0 PK	68.2	-5.2	1.82 V	290	56.50	6.50
2	*5785.00	120.1 PK			1.82 V	290	79.10	41.00
3	*5785.00	110.1 AV			1.82 V	290	69.10	41.00
4	#5940.80	61.1 PK	68.2	-7.1	1.82 V	290	54.00	7.10
5	11570.00	61.3 PK	74.0	-12.7	1.20 V	209	41.00	20.30
6	11570.00	48.8 AV	54.0	-5.2	1.20 V	209	28.50	20.30

**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.

CHANNEL	TX Channel 165	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	#5612.80	59.3 PK	68.2	-8.9	2.02 H	253	53.00	6.30
2	*5825.00	115.9 PK			2.02 H	253	74.70	41.20
3	*5825.00	104.3 AV			2.02 H	253	63.10	41.20
4	#5968.00	58.5 PK	68.2	-9.7	2.02 H	253	51.30	7.20
5	11650.00	61.7 PK	74.0	-12.3	1.36 H	338	41.80	19.90
6	11650.00	48.3 AV	54.0	-5.7	1.36 H	338	28.40	19.90

**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	#5616.80	61.7 PK	68.2	-6.5	1.85 V	287	55.30	6.40
2	*5825.00	120.3 PK			1.85 V	287	79.10	41.20
3	*5825.00	109.6 AV			1.85 V	287	68.40	41.20
4	#5936.80	62.3 PK	68.2	-5.9	1.85 V	287	55.20	7.10
5	11650.00	61.5 PK	74.0	-12.5	1.15 V	211	41.60	19.90
6	11650.00	48.5 AV	54.0	-5.5	1.15 V	211	28.60	19.90

**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 (VHT40)**

CHANNEL	TX Channel 38	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	67.6 PK	74.0	-6.4	3.22 H	259	61.60	6.00
2	5150.00	47.0 AV	54.0	-7.0	3.22 H	259	41.00	6.00
3	*5190.00	109.1 PK			3.37 H	244	69.00	40.10
4	*5190.00	99.3 AV			3.37 H	244	59.20	40.10
5	#10380.00	59.7 PK	74.0	-14.3	2.13 H	49	41.90	17.80
6	#10380.00	46.3 AV	54.0	-7.7	2.13 H	49	28.50	17.80

**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	73.3 PK	74.0	-0.7	1.73 V	301	67.30	6.00
2	5150.00	51.4 AV	54.0	-2.6	1.73 V	301	45.40	6.00
3	*5190.00	113.1 PK			1.62 V	293	73.00	40.10
4	*5190.00	103.3 AV			1.62 V	293	63.20	40.10
5	#10380.00	59.4 PK	74.0	-14.6	1.33 V	110	41.60	17.80
6	#10380.00	46.5 AV	54.0	-7.5	1.33 V	110	28.70	17.80

**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 46	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	64.1 PK	74.0	-9.9	3.15 H	233	58.10	6.00
2	5150.00	48.3 AV	54.0	-5.7	3.15 H	233	42.30	6.00
3	*5230.00	114.8 PK			3.28 H	249	74.60	40.20
4	*5230.00	105.0 AV			3.28 H	249	64.80	40.20
5	5350.00	60.0 PK	74.0	-14.0	3.34 H	261	53.80	6.20
6	5350.00	47.4 AV	54.0	-6.6	3.34 H	261	41.20	6.20
7	#10460.00	60.2 PK	74.0	-13.8	2.23 H	53	42.20	18.00
8	#10460.00	46.8 AV	54.0	-7.2	2.23 H	53	28.80	18.00

**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	69.9 PK	74.0	-4.1	2.06 V	286	63.90	6.00
2	5150.00	53.1 AV	54.0	-0.9	2.06 V	286	47.10	6.00
3	*5230.00	118.4 PK			1.77 V	293	78.20	40.20
4	*5230.00	108.5 AV			1.77 V	293	68.30	40.20
5	5350.00	62.4 PK	74.0	-11.6	1.69 V	269	56.20	6.20
6	5350.00	49.6 AV	54.0	-4.4	1.69 V	269	43.40	6.20
7	#10460.00	60.7 PK	74.0	-13.3	1.39 V	118	42.70	18.00
8	#10460.00	47.9 AV	54.0	-6.1	1.39 V	118	29.90	18.00

**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 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	58.2 PK	74.0	-15.8	3.20 H	270	52.20	6.00
2	5150.00	45.0 AV	54.0	-9.0	3.20 H	270	39.00	6.00
3	*5270.00	113.9 PK			3.23 H	279	73.70	40.20
4	*5270.00	103.7 AV			3.23 H	279	63.50	40.20
5	5350.00	61.6 PK	74.0	-12.4	3.32 H	291	55.40	6.20
6	5350.00	46.5 AV	54.0	-7.5	3.32 H	291	40.30	6.20
7	#10540.00	60.4 PK	74.0	-13.6	2.17 H	44	42.00	18.40
8	#10540.00	47.3 AV	54.0	-6.7	2.17 H	44	28.90	18.40

**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	60.1 PK	74.0	-13.9	1.94 V	297	54.10	6.00
2	5150.00	47.8 AV	54.0	-6.2	1.94 V	297	41.80	6.00
3	*5270.00	116.3 PK			1.73 V	286	76.10	40.20
4	*5270.00	106.7 AV			1.73 V	286	66.50	40.20
5	5350.00	66.7 PK	74.0	-7.3	1.88 V	271	60.50	6.20
6	5350.00	53.0 AV	54.0	-1.0	1.88 V	271	46.80	6.20
7	#10540.00	61.0 PK	74.0	-13.0	1.40 V	101	42.60	18.40
8	#10540.00	47.5 AV	54.0	-6.5	1.40 V	101	29.10	18.40

**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	5150.00	57.4 PK	74.0	-16.6	2.33 H	260	51.40	6.00
2	5150.00	44.6 AV	54.0	-9.4	2.33 H	260	38.60	6.00
3	#5305.00	71.1 PK	74.0	-2.9	2.47 H	288	65.00	6.10
4	#5305.00	49.9 AV	54.0	-4.1	2.47 H	288	43.80	6.10
5	*5310.00	111.4 PK			2.39 H	275	71.20	40.20
6	*5310.00	100.9 AV			2.39 H	275	60.70	40.20
7	10620.00	60.5 PK	74.0	-13.5	1.92 H	38	41.70	18.80
8	10620.00	47.1 AV	54.0	-6.9	1.92 H	38	28.30	18.80

**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	59.0 PK	74.0	-15.0	1.64 V	255	53.00	6.00
2	5150.00	46.1 AV	54.0	-7.9	1.64 V	255	40.10	6.00
3	*5310.00	113.9 PK			1.73 V	264	73.70	40.20
4	*5310.00	104.4 AV			1.73 V	264	64.20	40.20
5	5350.00	71.2 PK	74.0	-2.8	1.89 V	229	65.00	6.20
6	5350.00	52.7 AV	54.0	-1.3	1.89 V	229	46.50	6.20
7	10620.00	60.8 PK	74.0	-13.2	1.38 V	100	42.00	18.80
8	10620.00	47.4 AV	54.0	-6.6	1.38 V	100	28.60	18.80

**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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.2 PK	74.0	-15.8	2.99 H	230	51.90	6.30
2	5460.00	46.6 AV	54.0	-7.4	2.99 H	230	40.30	6.30
3	#5470.00	66.9 PK	74.0	-7.1	3.21 H	268	60.60	6.30
4	#5470.00	48.5 AV	54.0	-5.5	3.21 H	268	42.20	6.30
5	*5510.00	109.6 PK			3.16 H	252	69.20	40.40
6	*5510.00	98.8 AV			3.16 H	252	58.40	40.40
7	11020.00	60.9 PK	74.0	-13.1	2.02 H	58	41.40	19.50
8	11020.00	47.9 AV	54.0	-6.1	2.02 H	58	28.40	19.50

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.9 PK	74.0	-8.1	1.70 V	281	59.60	6.30
2	5460.00	51.4 AV	54.0	-2.6	1.70 V	281	45.10	6.30
3	#5470.00	69.5 PK	74.0	-4.5	1.86 V	311	63.20	6.30
4	#5470.00	52.9 AV	54.0	-1.1	1.86 V	311	46.60	6.30
5	*5510.00	113.7 PK			1.76 V	288	73.30	40.40
6	*5510.00	103.5 AV			1.76 V	288	63.10	40.40
7	11020.00	61.1 PK	74.0	-12.9	1.42 V	142	41.60	19.50
8	11020.00	47.8 AV	54.0	-6.2	1.42 V	142	28.30	19.50

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.7 PK	74.0	-13.3	2.92 H	247	54.40	6.30
2	5460.00	47.3 AV	54.0	-6.7	2.92 H	247	41.00	6.30
3	#5470.00	62.0 PK	74.0	-12.0	3.08 H	284	55.70	6.30
4	#5470.00	47.7 AV	54.0	-6.3	3.08 H	284	41.40	6.30
5	*5550.00	114.2 PK			2.98 H	261	73.70	40.50
6	*5550.00	103.7 AV			2.98 H	261	63.20	40.50
7	11100.00	62.0 PK	74.0	-12.0	2.07 H	63	42.00	20.00
8	11100.00	48.7 AV	54.0	-5.3	2.07 H	63	28.70	20.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.5 PK	74.0	-11.5	1.54 V	272	56.20	6.30
2	5460.00	50.5 AV	54.0	-3.5	1.54 V	272	44.20	6.30
3	#5470.00	69.6 PK	74.0	-4.4	1.80 V	301	63.30	6.30
4	#5470.00	53.2 AV	54.0	-0.8	1.80 V	301	46.90	6.30
5	*5550.00	118.8 PK			1.69 V	289	78.30	40.50
6	*5550.00	109.4 AV			1.69 V	289	68.90	40.50
7	11100.00	61.9 PK	74.0	-12.1	1.24 V	160	41.90	20.00
8	11100.00	49.0 AV	54.0	-5.0	1.24 V	160	29.00	20.00

**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.



CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.4 PK	74.0	-8.6	1.74 H	261	58.70	6.70
2	5460.00	50.6 AV	54.0	-3.4	1.74 H	261	43.90	6.70
3	#5470.00	68.2 PK	74.0	-5.8	1.72 H	269	61.50	6.70
4	#5470.00	51.4 AV	54.0	-2.6	1.72 H	269	44.70	6.70
5	*5590.00	115.8 PK			1.64 H	256	74.70	41.10
6	*5590.00	104.4 AV			1.64 H	256	63.30	41.10
7	11180.00	60.1 PK	74.0	-13.9	1.25 H	87	40.30	19.80
8	11180.00	48.5 AV	54.0	-5.5	1.25 H	87	28.70	19.80

**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	66.2 PK	74.0	-7.8	1.84 V	298	59.50	6.70
2	5460.00	51.6 AV	54.0	-2.4	1.84 V	298	44.90	6.70
3	#5470.00	67.7 PK	74.0	-6.3	1.84 V	298	61.00	6.70
4	#5470.00	53.3 AV	54.0	-0.7	1.84 V	298	46.60	6.70
5	*5590.00	117.6 PK			1.66 V	8	76.50	41.10
6	*5590.00	106.4 AV			1.66 V	8	65.30	41.10
7	11180.00	61.0 PK	74.0	-13.0	1.25 V	87	41.20	19.80
8	11180.00	49.7 AV	54.0	-4.3	1.25 V	87	29.90	19.80

**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 126	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	*5630.00	113.9 PK			1.88 H	251	72.70	41.20
2	*5630.00	102.3 AV			1.88 H	251	61.10	41.20
3	#5725.00	67.7 PK	74.0	-6.3	1.96 H	247	60.40	7.30
4	#5725.00	51.3 AV	54.0	-2.7	1.96 H	247	44.00	7.30
5	11260.00	60.5 PK	74.0	-13.5	1.47 H	85	40.60	19.90
6	11260.00	48.6 AV	54.0	-5.4	1.47 H	85	28.70	19.90

**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	*5630.00	116.6 PK			1.70 V	19	75.40	41.20
2	*5630.00	104.7 AV			1.70 V	19	63.50	41.20
3	#5725.00	69.2 PK	74.0	-4.8	1.85 V	274	61.90	7.30
4	#5725.00	53.1 AV	54.0	-0.9	1.85 V	274	45.80	7.30
5	11260.00	61.5 PK	74.0	-12.5	1.47 V	85	41.60	19.90
6	11260.00	49.8 AV	54.0	-4.2	1.47 V	85	29.90	19.90

**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	107.2 PK			3.08 H	255	66.50	40.70
2	*5670.00	96.6 AV			3.08 H	255	55.90	40.70
3	#5725.00	60.7 PK	74.0	-13.3	2.90 H	232	54.00	6.70
4	#5725.00	45.9 AV	54.0	-8.1	2.90 H	232	39.20	6.70
5	11340.00	61.8 PK	74.0	-12.2	2.00 H	41	41.30	20.50
6	11340.00	48.9 AV	54.0	-5.1	2.00 H	41	28.40	20.50

**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	111.9 PK			1.80 V	297	71.20	40.70
2	*5670.00	101.8 AV			1.80 V	297	61.10	40.70
3	#5725.00	71.1 PK	74.0	-2.9	1.72 V	278	64.40	6.70
4	#5725.00	52.9 AV	54.0	-1.1	1.72 V	278	46.20	6.70
5	11340.00	62.0 PK	74.0	-12.0	1.50 V	156	41.50	20.50
6	11340.00	49.0 AV	54.0	-5.0	1.50 V	156	28.50	20.50

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5710.00	114.7 PK			1.83 H	249	73.20	41.50
2	*5710.00	103.4 AV			1.83 H	249	61.90	41.50
3	#5740.00	60.9 PK	74.0	-13.1	2.16 H	273	53.60	7.30
4	#5740.00	48.9 AV	54.0	-5.1	2.16 H	273	41.60	7.30
5	#5850.00	64.6 PK	74.0	-9.4	2.24 H	293	56.90	7.70
6	#5850.00	49.6 AV	54.0	-4.4	2.24 H	293	41.90	7.70
7	11420.00	60.9 PK	74.0	-13.1	1.36 H	98	40.50	20.40
8	11420.00	49.1 AV	54.0	-4.9	1.36 H	98	28.70	20.40

**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	64.4 PK	74.0	-9.6	1.82 V	279	57.70	6.70
2	#5470.00	51.2 AV	54.0	-2.8	1.82 V	279	44.50	6.70
3	*5710.00	118.9 PK			1.82 V	280	77.40	41.50
4	*5710.00	107.0 AV			1.82 V	280	65.50	41.50
5	#5850.00	66.9 PK	74.0	-7.1	1.73 V	296	59.20	7.70
6	#5850.00	51.4 AV	54.0	-2.6	1.73 V	296	43.70	7.70
7	11420.00	61.9 PK	74.0	-12.1	1.45 V	85	41.50	20.40
8	11420.00	50.3 AV	54.0	-3.7	1.45 V	85	29.90	20.40

**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 151	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	#5638.40	64.0 PK	68.2	-4.2	1.94 H	241	57.50	6.50
2	*5755.00	113.5 PK			1.94 H	241	72.50	41.00
3	*5755.00	102.6 AV			1.94 H	241	61.60	41.00
4	#5948.80	59.4 PK	68.2	-8.8	1.94 H	241	52.20	7.20
5	11510.00	60.7 PK	74.0	-13.3	1.56 H	97	40.30	20.40
6	11510.00	49.1 AV	54.0	-4.9	1.56 H	97	28.70	20.40

**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)
<b>1</b>	<b>#5638.40</b>	<b>68.1 PK</b>	<b>68.2</b>	<b>-0.1</b>	<b>1.85 V</b>	<b>281</b>	<b>61.60</b>	<b>6.50</b>
2	*5755.00	117.9 PK			1.85 V	281	76.90	41.00
3	*5755.00	105.8 AV			1.85 V	281	64.80	41.00
4	#5932.00	63.3 PK	68.2	-4.9	1.85 V	281	56.20	7.10
5	11510.00	61.6 PK	74.0	-12.4	1.32 V	64	41.20	20.40
6	11510.00	50.3 AV	54.0	-3.7	1.32 V	64	29.90	20.40

**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 159	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	#5617.60	59.5 PK	68.2	-8.7	2.86 H	260	53.10	6.40
2	*5795.00	114.7 PK			2.86 H	260	73.60	41.10
3	*5795.00	103.4 AV			2.86 H	260	62.30	41.10
4	#5959.20	61.0 PK	68.2	-7.2	2.86 H	260	53.80	7.20
5	11590.00	60.5 PK	74.0	-13.5	1.32 H	64	40.30	20.20
6	11590.00	48.6 AV	54.0	-5.4	1.32 H	64	28.40	20.20

**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	#5639.20	61.8 PK	68.2	-6.4	1.81 V	285	55.30	6.50
2	*5795.00	118.7 PK			1.81 V	285	77.60	41.10
3	*5795.00	106.9 AV			1.81 V	285	65.80	41.10
4	#5930.40	63.1 PK	68.2	-5.1	1.81 V	285	56.00	7.10
5	11590.00	62.0 PK	74.0	-12.0	1.32 V	64	41.80	20.20
6	11590.00	50.1 AV	54.0	-3.9	1.32 V	64	29.90	20.20

**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 42	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	67.0 PK	74.0	-7.0	2.00 H	269	60.90	6.10
2	5150.00	50.2 AV	54.0	-3.8	2.00 H	269	44.10	6.10
3	*5210.00	106.8 PK			1.96 H	254	66.50	40.30
4	*5210.00	95.6 AV			1.96 H	254	55.30	40.30
5	#10420.00	58.4 PK	74.0	-15.6	1.32 H	64	40.30	18.10
6	#10420.00	46.8 AV	54.0	-7.2	1.32 H	64	28.70	18.10

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	71.5 PK	74.0	-2.5	1.64 V	19	65.40	6.10
2	5150.00	53.1 AV	54.0	-0.9	1.64 V	19	47.00	6.10
3	*5210.00	112.0 PK			1.83 V	267	71.70	40.30
4	*5210.00	98.3 AV			1.83 V	267	58.00	40.30
5	#10420.00	59.4 PK	74.0	-14.6	1.32 V	64	41.30	18.10
6	#10420.00	48.0 AV	54.0	-6.0	1.32 V	64	29.90	18.10

**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 58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	105.2 PK			1.92 H	250	64.80	40.40
2	*5290.00	94.6 AV			1.92 H	250	54.20	40.40
3	5350.00	68.4 PK	74.0	-5.6	2.14 H	267	61.90	6.50
4	5350.00	50.4 AV	54.0	-3.6	2.14 H	267	43.90	6.50
5	#10580.00	59.6 PK	74.0	-14.4	1.32 H	65	40.90	18.70
6	#10580.00	47.7 AV	54.0	-6.3	1.32 H	65	29.00	18.70

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	109.9 PK			1.93 V	276	69.50	40.40
2	*5290.00	96.8 AV			1.93 V	276	56.40	40.40
3	5350.00	73.7 PK	74.0	-0.3	1.80 V	19	67.20	6.50
4	5350.00	53.0 AV	54.0	-1.0	1.80 V	19	46.50	6.50
5	#10580.00	59.9 PK	74.0	-14.1	1.32 V	65	41.20	18.70
6	#10580.00	48.6 AV	54.0	-5.4	1.32 V	65	29.90	18.70

**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	63.4 PK	74.0	-10.6	1.96 H	253	56.70	6.70
2	5460.00	50.2 AV	54.0	-3.8	1.96 H	253	43.50	6.70
3	#5470.00	65.5 PK	74.0	-8.5	2.00 H	269	58.80	6.70
4	#5470.00	50.6 AV	54.0	-3.4	2.00 H	269	43.90	6.70
5	*5530.00	106.4 PK			1.96 H	253	65.50	40.90
6	*5530.00	94.3 AV			1.96 H	253	53.40	40.90
7	11060.00	60.8 PK	74.0	-13.2	1.63 H	97	41.20	19.60
8	11060.00	48.3 AV	54.0	-5.7	1.63 H	97	28.70	19.60

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.4 PK	74.0	-8.6	1.59 V	285	58.70	6.70
2	5460.00	50.3 AV	54.0	-3.7	1.59 V	285	43.60	6.70
3	#5470.00	68.5 PK	74.0	-5.5	1.59 V	285	61.80	6.70
4	#5470.00	52.5 AV	54.0	-1.5	1.59 V	285	45.80	6.70
5	*5530.00	109.9 PK			1.72 V	281	69.00	40.90
6	*5530.00	96.0 AV			1.72 V	281	55.10	40.90
7	11060.00	60.8 PK	74.0	-13.2	1.32 V	64	41.20	19.60
8	11060.00	49.3 AV	54.0	-4.7	1.32 V	64	29.70	19.60

**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	62.6 PK	74.0	-11.4	2.14 H	278	55.90	6.70
2	5460.00	49.9 AV	54.0	-4.1	2.14 H	278	43.20	6.70
3	#5470.00	67.6 PK	74.0	-6.4	2.18 H	274	60.90	6.70
4	#5470.00	51.2 AV	54.0	-2.8	2.18 H	274	44.50	6.70
5	*5610.00	110.3 PK			2.06 H	260	69.20	41.10
6	*5610.00	99.0 AV			2.06 H	260	57.90	41.10
7	11220.00	60.5 PK	74.0	-13.5	1.47 H	64	40.60	19.90
8	11220.00	48.6 AV	54.0	-5.4	1.47 H	64	28.70	19.90

**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	63.6 PK	74.0	-10.4	1.76 V	16	56.90	6.70
2	5460.00	50.4 AV	54.0	-3.6	1.76 V	16	43.70	6.70
3	#5470.00	67.4 PK	74.0	-6.6	1.76 V	16	60.70	6.70
4	#5470.00	53.1 AV	54.0	-0.9	1.76 V	16	46.40	6.70
5	*5610.00	111.8 PK			1.00 V	11	70.70	41.10
6	*5610.00	97.5 AV			1.00 V	11	56.40	41.10
7	11220.00	61.2 PK	74.0	-12.8	1.23 V	64	41.30	19.90
8	11220.00	49.6 AV	54.0	-4.4	1.23 V	64	29.70	19.90

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	63.6 PK	74.0	-10.4	1.64 H	278	56.90	6.70
2	#5470.00	50.3 AV	54.0	-3.7	1.64 H	278	43.60	6.70
3	*5690.00	112.3 PK			1.76 H	241	71.00	41.30
4	*5690.00	100.1 AV			1.76 H	241	58.80	41.30
5	#5850.00	66.4 PK	74.0	-7.6	1.80 H	274	58.70	7.70
6	#5850.00	52.2 AV	54.0	-1.8	1.80 H	274	44.50	7.70
7	11380.00	60.6 PK	74.0	-13.4	1.54 H	78	40.30	20.30
8	11380.00	49.0 AV	54.0	-5.0	1.54 H	78	28.70	20.30

**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) <sup>14</sup>
1	#5470.00	64.0 PK	74.0	-10.0	1.80 V	279	57.30	6.70
2	#5470.00	50.5 AV	54.0	-3.5	1.80 V	279	43.80	6.70
3	*5690.00	114.5 PK			1.84 V	281	73.20	41.30
4	*5690.00	102.8 AV			1.84 V	281	61.50	41.30
5	#5850.00	68.0 PK	74.0	-6.0	1.94 V	264	60.30	7.70
6	#5850.00	53.2 AV	54.0	-0.8	1.94 V	264	45.50	7.70
7	11380.00	61.9 PK	74.0	-12.1	1.58 V	47	41.60	20.30
8	11380.00	50.0 AV	54.0	-4.0	1.58 V	47	29.70	20.30

**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 155	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	#5648.80	66.7 PK	68.2	-1.5	3.00 H	260	60.20	6.50
2	*5775.00	111.5 PK			3.00 H	260	70.50	41.00
3	*5775.00	99.0 AV			3.00 H	260	58.00	41.00
4	#5924.80	64.6 PK	68.3	-3.7	3.00 H	260	57.50	7.10
5	11550.00	60.5 PK	74.0	-13.5	1.38 H	54	40.20	20.30
6	11550.00	48.7 AV	54.0	-5.3	1.38 H	54	28.40	20.30

**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	#5648.80	67.4 PK	68.2	-0.8	1.01 V	74	60.90	6.50
2	*5775.00	113.0 PK			1.01 V	74	72.00	41.00
3	*5775.00	100.1 AV			1.01 V	74	59.10	41.00
4	#5928.00	64.2 PK	68.2	-4.0	1.01 V	74	57.10	7.10
5	11550.00	61.8 PK	74.0	-12.2	1.32 V	65	41.50	20.30
6	11550.00	50.2 AV	54.0	-3.8	1.32 V	65	29.90	20.30

**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.

Beamforming Mode

Mode F

802.11ac (VHT20)

CHANNEL	TX Channel 36	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.8 PK	74.0	-14.2	1.54 H	247	53.70	6.10
2	5150.00	47.7 AV	54.0	-6.3	1.54 H	247	41.60	6.10
3	*5180.00	115.2 PK			1.91 H	263	75.00	40.20
4	*5180.00	104.6 AV			1.91 H	263	64.40	40.20
5	#10360.00	58.2 PK	74.0	-15.8	1.17 H	48	40.30	17.90
6	#10360.00	46.3 AV	54.0	-7.7	1.17 H	48	28.40	17.90

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	62.2 PK	74.0	-11.8	1.68 V	19	56.10	6.10
2	5150.00	53.2 AV	54.0	-0.8	1.68 V	19	47.10	6.10
3	*5180.00	118.8 PK			1.92 V	264	78.60	40.20
4	*5180.00	108.0 AV			1.92 V	264	67.80	40.20
5	#10360.00	59.4 PK	74.0	-14.6	1.07 V	48	41.50	17.90
6	#10360.00	47.6 AV	54.0	-6.4	1.07 V	48	29.70	17.90

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 40	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	*5200.00	117.5 PK			1.75 H	262	77.30	40.20
2	*5200.00	108.1 AV			1.75 H	262	67.90	40.20
3	#10400.00	58.7 PK	74.0	-15.3	1.52 H	69	40.50	18.20
4	#10400.00	46.9 AV	54.0	-7.1	1.52 H	69	28.70	18.20

**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	61.7 PK	74.0	-12.3	1.32 V	339	55.60	6.10
2	5150.00	53.0 AV	54.0	-1.0	1.32 V	339	46.90	6.10
3	*5200.00	119.5 PK			1.12 V	324	79.30	40.20
4	*5200.00	109.5 AV			1.12 V	324	69.30	40.20
5	#10400.00	59.8 PK	74.0	-14.2	1.56 V	98	41.60	18.20
6	#10400.00	47.9 AV	54.0	-6.1	1.56 V	98	29.70	18.20

**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 48	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	*5240.00	119.7 PK			1.91 H	259	79.30	40.40
2	*5240.00	109.3 AV			1.91 H	259	68.90	40.40
3	5350.00	60.1 PK	74.0	-13.9	1.54 H	269	53.60	6.50
4	5350.00	48.4 AV	54.0	-5.6	1.54 H	269	41.90	6.50
5	#10480.00	58.7 PK	74.0	-15.3	1.55 H	47	40.30	18.40
6	#10480.00	46.8 AV	54.0	-7.2	1.55 H	47	28.40	18.40

**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	*5240.00	120.8 PK			1.59 V	289	80.40	40.40
2	*5240.00	111.0 AV			1.59 V	289	70.60	40.40
3	5350.00	63.4 PK	74.0	-10.6	1.17 V	246	56.90	6.50
4	5350.00	49.4 AV	54.0	-4.6	1.17 V	246	42.90	6.50
5	#10480.00	60.2 PK	74.0	-13.8	1.32 V	55	41.80	18.40
6	#10480.00	48.1 AV	54.0	-5.9	1.32 V	55	29.70	18.40

**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 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	58.8 PK	74.0	-15.2	2.17 H	48	52.70	6.10
2	5150.00	46.7 AV	54.0	-7.3	2.17 H	48	40.60	6.10
3	*5260.00	116.9 PK			2.28 H	288	76.50	40.40
4	*5260.00	106.3 AV			2.28 H	288	65.90	40.40
5	#10520.00	59.0 PK	74.0	-15.0	1.52 H	63	40.60	18.40
6	#10520.00	47.1 AV	54.0	-6.9	1.52 H	63	28.70	18.40

**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	61.1 PK	74.0	-12.9	1.23 V	178	55.00	6.10
2	5150.00	49.1 AV	54.0	-4.9	1.23 V	178	43.00	6.10
3	*5260.00	120.3 PK			1.00 V	168	79.90	40.40
4	*5260.00	108.9 AV			1.00 V	168	68.50	40.40
5	#10520.00	60.0 PK	74.0	-14.0	1.57 V	48	41.60	18.40
6	#10520.00	48.1 AV	54.0	-5.9	1.57 V	48	29.70	18.40

**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	117.0 PK			1.67 H	256	76.50	40.50
2	*5300.00	105.7 AV			1.67 H	256	65.20	40.50
3	10600.00	61.0 PK	74.0	-13.0	2.01 H	54	42.20	18.80
4	10600.00	47.9 AV	54.0	-6.1	2.01 H	54	29.10	18.80

**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	120.0 PK			1.42 V	285	79.50	40.50
2	*5300.00	109.5 AV			1.42 V	285	69.00	40.50
3	10600.00	60.5 PK	74.0	-13.5	1.62 V	115	41.70	18.80
4	10600.00	48.2 AV	54.0	-5.8	1.62 V	115	29.40	18.80

**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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	116.2 PK			1.60 H	254	75.70	40.50
2	*5320.00	104.5 AV			1.60 H	254	64.00	40.50
3	5350.00	60.7 PK	74.0	-13.3	1.67 H	282	54.20	6.50
4	5350.00	50.6 AV	54.0	-3.4	1.67 H	282	44.10	6.50
5	10640.00	61.4 PK	74.0	-12.6	2.11 H	63	42.40	19.00
6	10640.00	48.3 AV	54.0	-5.7	2.11 H	63	29.30	19.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	119.5 PK			1.47 V	284	79.00	40.50
2	*5320.00	109.1 AV			1.47 V	284	68.60	40.50
3	5350.00	70.0 PK	74.0	-4.0	1.71 V	278	63.50	6.50
4	5350.00	53.5 AV	54.0	-0.5	1.71 V	278	47.00	6.50
5	10640.00	60.9 PK	74.0	-13.1	1.66 V	111	41.90	19.00
6	10640.00	48.5 AV	54.0	-5.5	1.66 V	111	29.50	19.00

**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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.5 PK	74.0	-15.5	1.96 H	272	51.80	6.70
2	5460.00	47.1 AV	54.0	-6.9	1.96 H	272	40.40	6.70
3	#5470.00	60.0 PK	74.0	-14.0	2.01 H	260	53.30	6.70
4	#5470.00	48.1 AV	54.0	-5.9	2.01 H	260	41.40	6.70
5	*5500.00	115.2 PK			1.85 H	265	74.30	40.90
6	*5500.00	103.9 AV			1.85 H	265	63.00	40.90
7	11000.00	61.3 PK	74.0	-12.7	2.22 H	50	42.00	19.30
8	11000.00	48.4 AV	54.0	-5.6	2.22 H	50	29.10	19.30

**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	63.4 PK	74.0	-10.6	1.59 V	293	56.70	6.70
2	5460.00	51.7 AV	54.0	-2.3	1.59 V	293	45.00	6.70
3	#5470.00	68.9 PK	74.0	-5.1	1.56 V	284	62.20	6.70
4	#5470.00	53.1 AV	54.0	-0.9	1.56 V	284	46.40	6.70
5	*5500.00	118.5 PK			1.74 V	290	77.60	40.90
6	*5500.00	108.4 AV			1.74 V	290	67.50	40.90
7	11000.00	61.1 PK	74.0	-12.9	1.61 V	110	41.80	19.30
8	11000.00	48.6 AV	54.0	-5.4	1.61 V	110	29.30	19.30

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	116.3 PK			1.66 H	267	75.30	41.00
2	*5580.00	105.0 AV			1.66 H	267	64.00	41.00
3	11160.00	61.7 PK	74.0	-12.3	2.18 H	47	41.90	19.80
4	11160.00	49.1 AV	54.0	-4.9	2.18 H	47	29.30	19.80

**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	119.5 PK			1.87 V	288	78.50	41.00
2	*5580.00	109.6 AV			1.87 V	288	68.60	41.00
3	11160.00	61.5 PK	74.0	-12.5	1.57 V	114	41.70	19.80
4	11160.00	48.9 AV	54.0	-5.1	1.57 V	114	29.10	19.80

**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.

CHANNEL	TX Channel 120	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	*5600.00	116.8 PK			1.94 H	271	75.70	41.10
2	*5600.00	106.6 AV			1.94 H	271	65.50	41.10
3	#5725.00	58.5 PK	74.0	-15.5	1.71 H	312	51.20	7.30
4	#5725.00	47.0 AV	54.0	-7.0	1.71 H	312	39.70	7.30
5	11200.00	61.1 PK	74.0	-12.9	2.08 H	36	41.30	19.80
6	11200.00	48.6 AV	54.0	-5.4	2.08 H	36	28.80	19.80

**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	*5600.00	121.0 PK			1.72 V	288	79.90	41.10
2	*5600.00	110.5 AV			1.72 V	288	69.40	41.10
3	#5725.00	61.4 PK	74.0	-12.6	2.03 V	272	54.10	7.30
4	#5725.00	48.9 AV	54.0	-5.1	2.03 V	272	41.60	7.30
5	11200.00	60.9 PK	74.0	-13.1	1.41 V	98	41.10	19.80
6	11200.00	48.2 AV	54.0	-5.8	1.41 V	98	28.40	19.80

**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 124	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	*5620.00	116.7 PK			1.97 H	270	75.60	41.10
2	*5620.00	105.8 AV			1.97 H	270	64.70	41.10
3	#5725.00	59.1 PK	74.0	-14.9	1.62 H	247	51.80	7.30
4	#5725.00	47.4 AV	54.0	-6.6	1.62 H	247	40.10	7.30
5	11240.00	61.1 PK	74.0	-12.9	2.03 H	41	41.20	19.90
6	11240.00	48.5 AV	54.0	-5.5	2.03 H	41	28.60	19.90

**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	*5620.00	120.6 PK			1.65 V	286	79.50	41.10
2	*5620.00	110.2 AV			1.65 V	286	69.10	41.10
3	#5725.00	59.4 PK	74.0	-14.6	2.05 V	266	52.10	7.30
4	#5725.00	48.1 AV	54.0	-5.9	2.05 V	266	40.80	7.30
5	11240.00	60.9 PK	74.0	-13.1	1.47 V	102	41.00	19.90
6	11240.00	48.3 AV	54.0	-5.7	1.47 V	102	28.40	19.90

**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 128	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	*5640.00	116.6 PK			2.03 H	268	75.40	41.20
2	*5640.00	105.4 AV			2.03 H	268	64.20	41.20
3	#5725.00	59.0 PK	74.0	-15.0	2.10 H	240	51.70	7.30
4	#5725.00	47.5 AV	54.0	-6.5	2.10 H	240	40.20	7.30
5	11280.00	61.3 PK	74.0	-12.7	2.19 H	31	41.40	19.90
6	11280.00	48.6 AV	54.0	-5.4	2.19 H	31	28.70	19.90

**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	*5640.00	120.5 PK			1.78 V	288	79.30	41.20
2	*5640.00	110.6 AV			1.78 V	288	69.40	41.20
3	#5725.00	61.8 PK	74.0	-12.2	1.64 V	298	54.50	7.30
4	#5725.00	49.8 AV	54.0	-4.2	1.64 V	298	42.50	7.30
5	11280.00	61.2 PK	74.0	-12.8	1.46 V	100	41.30	19.90
6	11280.00	48.4 AV	54.0	-5.6	1.46 V	100	28.50	19.90

**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	114.2 PK			1.81 H	269	72.70	41.50
2	*5700.00	103.8 AV			1.81 H	269	62.30	41.50
3	#5725.00	66.8 PK	74.0	-7.2	2.05 H	260	59.50	7.30
4	#5725.00	49.7 AV	54.0	-4.3	2.05 H	260	42.40	7.30
5	11400.00	62.7 PK	74.0	-11.3	2.09 H	41	42.30	20.40
6	11400.00	50.0 AV	54.0	-4.0	2.09 H	41	29.60	20.40

**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	118.0 PK			1.80 V	292	76.50	41.50
2	*5700.00	108.6 AV			1.80 V	292	67.10	41.50
3	#5725.00	73.6 PK	74.0	-0.4	1.94 V	287	66.30	7.30
4	#5725.00	53.6 AV	54.0	-0.4	1.94 V	287	46.30	7.30
5	11400.00	62.5 PK	74.0	-11.5	1.59 V	103	42.10	20.40
6	11400.00	49.8 AV	54.0	-4.2	1.59 V	103	29.40	20.40

**REMARKS:**

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



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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	58.9 PK	74.0	-15.1	1.81 H	282	52.20	6.70
2	#5470.00	46.5 AV	54.0	-7.5	1.81 H	282	39.80	6.70
3	*5720.00	116.9 PK			1.99 H	249	75.40	41.50
4	*5720.00	106.2 AV			1.99 H	249	64.70	41.50
5	#5850.00	58.3 PK	74.0	-15.7	2.17 H	247	50.60	7.70
6	#5850.00	46.9 AV	54.0	-7.1	2.17 H	247	39.20	7.70
7	11440.00	62.0 PK	74.0	-12.0	2.24 H	28	41.70	20.30
8	11440.00	48.9 AV	54.0	-5.1	2.24 H	28	28.60	20.30

**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	58.5 PK	74.0	-15.5	2.09 V	284	51.80	6.70
2	#5470.00	47.4 AV	54.0	-6.6	2.09 V	284	40.70	6.70
3	*5720.00	121.1 PK			1.82 V	294	79.60	41.50
4	*5720.00	111.9 AV			1.82 V	294	70.40	41.50
5	#5850.00	59.1 PK	74.0	-14.9	2.08 V	253	51.40	7.70
6	#5850.00	48.0 AV	54.0	-6.0	2.08 V	253	40.30	7.70
7	11440.00	61.8 PK	74.0	-12.2	1.39 V	109	41.50	20.30
8	11440.00	48.8 AV	54.0	-5.2	1.39 V	109	28.50	20.30

**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 149	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	#5627.20	60.9 PK	68.2	-7.3	3.39 H	271	53.90	7.00
2	*5745.00	117.9 PK			3.39 H	271	76.30	41.60
3	*5745.00	107.2 AV			3.39 H	271	65.60	41.60
4	#5992.80	61.0 PK	68.2	-7.2	3.39 H	271	53.10	7.90
5	11490.00	60.9 PK	74.0	-13.1	1.25 H	69	40.60	20.30
6	11490.00	49.0 AV	54.0	-5.0	1.25 H	69	28.70	20.30

**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	#5636.80	61.2 PK	68.2	-7.0	1.00 V	77	54.20	7.00
2	*5745.00	122.7 PK			1.00 V	77	81.10	41.60
3	*5745.00	112.0 AV			1.00 V	77	70.40	41.60
4	#5932.80	61.7 PK	68.2	-6.5	1.00 V	77	53.90	7.80
5	11490.00	61.8 PK	74.0	-12.2	1.32 V	55	41.50	20.30
6	11490.00	49.7 AV	54.0	-4.3	1.32 V	55	29.40	20.30

**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 157	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	#5600.00	61.6 PK	68.2	-6.6	2.93 H	273	54.70	6.90
2	*5785.00	118.0 PK			2.93 H	273	76.40	41.60
3	*5785.00	108.1 AV			2.93 H	273	66.50	41.60
4	#5980.00	61.9 PK	68.2	-6.3	2.93 H	273	54.00	7.90
5	11570.00	60.8 PK	74.0	-13.2	1.47 H	22	40.70	20.10
6	11570.00	48.5 AV	54.0	-5.5	1.47 H	22	28.40	20.10

**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	#5634.40	63.1 PK	68.2	-5.1	1.00 V	76	56.10	7.00
2	*5785.00	122.3 PK			1.00 V	76	80.70	41.60
3	*5785.00	111.0 AV			1.00 V	76	69.40	41.60
4	#5945.60	62.3 PK	68.2	-5.9	1.00 V	76	54.50	7.80
5	11570.00	61.4 PK	74.0	-12.6	1.25 V	74	41.30	20.10
6	11570.00	49.8 AV	54.0	-4.2	1.25 V	74	29.70	20.10

**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.

CHANNEL	TX Channel 165	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	#5614.40	60.6 PK	68.2	-7.6	1.71 H	274	53.70	6.90
2	*5825.00	119.3 PK			1.71 H	274	77.50	41.80
3	*5825.00	108.6 AV			1.71 H	274	66.80	41.80
4	#5968.80	60.7 PK	68.2	-7.5	1.71 H	274	52.80	7.90
5	11650.00	60.7 PK	74.0	-13.3	1.25 H	36	40.90	19.80
6	11650.00	48.2 AV	54.0	-5.8	1.25 H	36	28.40	19.80

**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	#5648.00	60.7 PK	68.2	-7.5	1.01 V	80	53.60	7.10
2	*5825.00	121.7 PK			1.01 V	80	79.90	41.80
3	*5825.00	111.2 AV			1.01 V	80	69.40	41.80
4	#5985.60	61.2 PK	68.2	-7.0	1.01 V	80	53.30	7.90
5	11650.00	61.4 PK	74.0	-12.6	1.52 V	87	41.60	19.80
6	11650.00	49.5 AV	54.0	-4.5	1.52 V	87	29.70	19.80

**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 (VHT40)

CHANNEL	TX Channel 38	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	71.4 PK	74.0	-2.6	1.90 H	258	65.30	6.10
2	5150.00	50.9 AV	54.0	-3.1	1.90 H	258	44.80	6.10
3	*5190.00	111.2 PK			1.67 H	260	71.00	40.20
4	*5190.00	100.4 AV			1.67 H	260	60.20	40.20
5	#10380.00	59.2 PK	74.0	-14.8	2.00 H	52	41.20	18.00
6	#10380.00	46.5 AV	54.0	-7.5	2.00 H	52	28.50	18.00

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	71.4 PK	74.0	-2.6	1.84 V	291	65.30	6.10
2	5150.00	53.2 AV	54.0	-0.8	1.84 V	291	47.10	6.10
3	*5190.00	114.5 PK			1.49 V	266	74.30	40.20
4	*5190.00	103.8 AV			1.49 V	266	63.60	40.20
5	#10380.00	58.9 PK	74.0	-15.1	1.32 V	125	40.90	18.00
6	#10380.00	46.4 AV	54.0	-7.6	1.32 V	125	28.40	18.00

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 46	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	63.6 PK	74.0	-10.4	2.02 H	248	57.50	6.10
2	5150.00	49.3 AV	54.0	-4.7	2.02 H	248	43.20	6.10
3	*5230.00	113.9 PK			1.65 H	256	73.50	40.40
4	*5230.00	103.7 AV			1.65 H	256	63.30	40.40
5	5350.00	62.4 PK	74.0	-11.6	1.80 H	284	55.90	6.50
6	5350.00	48.7 AV	54.0	-5.3	1.80 H	284	42.20	6.50
7	#10460.00	59.8 PK	74.0	-14.2	2.11 H	26	41.60	18.20
8	#10460.00	46.8 AV	54.0	-7.2	2.11 H	26	28.60	18.20

**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	66.9 PK	74.0	-7.1	2.00 V	264	60.80	6.10
2	5150.00	53.3 AV	54.0	-0.7	2.00 V	264	47.20	6.10
3	*5230.00	120.1 PK			1.65 V	270	79.70	40.40
4	*5230.00	109.2 AV			1.65 V	270	68.80	40.40
5	5350.00	64.3 PK	74.0	-9.7	1.89 V	297	57.80	6.50
6	5350.00	50.9 AV	54.0	-3.1	1.89 V	297	44.40	6.50
7	#10460.00	59.2 PK	74.0	-14.8	1.38 V	123	41.00	18.20
8	#10460.00	46.7 AV	54.0	-7.3	1.38 V	123	28.50	18.20

**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 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	58.6 PK	74.0	-15.4	1.97 H	289	52.50	6.10
2	5150.00	47.0 AV	54.0	-7.0	1.97 H	289	40.90	6.10
3	*5270.00	112.7 PK			1.81 H	260	72.30	40.40
4	*5270.00	102.5 AV			1.81 H	260	62.10	40.40
5	5350.00	59.7 PK	74.0	-14.3	1.69 H	244	53.20	6.50
6	5350.00	48.7 AV	54.0	-5.3	1.69 H	244	42.20	6.50
7	#10540.00	60.0 PK	74.0	-14.0	2.00 H	19	41.40	18.60
8	#10540.00	47.0 AV	54.0	-7.0	2.00 H	19	28.40	18.60

**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	60.2 PK	74.0	-13.8	1.99 V	301	54.10	6.10
2	5150.00	47.9 AV	54.0	-6.1	1.99 V	301	41.80	6.10
3	*5270.00	118.1 PK			1.71 V	273	77.70	40.40
4	*5270.00	108.2 AV			1.71 V	273	67.80	40.40
5	5350.00	64.9 PK	74.0	-9.1	1.95 V	287	58.40	6.50
6	5350.00	51.3 AV	54.0	-2.7	1.95 V	287	44.80	6.50
7	#10540.00	59.8 PK	74.0	-14.2	1.40 V	120	41.20	18.60
8	#10540.00	46.9 AV	54.0	-7.1	1.40 V	120	28.30	18.60

**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	108.9 PK			1.86 H	257	68.40	40.50
2	*5310.00	99.2 AV			1.86 H	257	58.70	40.50
3	5350.00	60.7 PK	74.0	-13.3	2.05 H	270	54.20	6.50
4	5350.00	48.3 AV	54.0	-5.7	2.05 H	270	41.80	6.50
5	10620.00	60.6 PK	74.0	-13.4	2.21 H	25	41.70	18.90
6	10620.00	47.4 AV	54.0	-6.6	2.21 H	25	28.50	18.90

**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	113.0 PK			1.46 V	277	72.50	40.50
2	*5310.00	101.7 AV			1.46 V	277	61.20	40.50
3	5350.00	71.9 PK	74.0	-2.1	1.71 V	286	65.40	6.50
4	5350.00	52.9 AV	54.0	-1.1	1.71 V	286	46.40	6.50
5	10620.00	60.2 PK	74.0	-13.8	1.32 V	107	41.30	18.90
6	10620.00	47.1 AV	54.0	-6.9	1.32 V	107	28.20	18.90

**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.



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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.0 PK	74.0	-11.0	2.10 H	243	56.30	6.70
2	5460.00	48.2 AV	54.0	-5.8	2.10 H	243	41.50	6.70
3	#5470.00	67.4 PK	74.0	-6.6	2.04 H	268	60.70	6.70
4	#5470.00	51.1 AV	54.0	-2.9	2.04 H	268	44.40	6.70
5	*5510.00	110.6 PK			1.93 H	260	69.70	40.90
6	*5510.00	100.2 AV			1.93 H	260	59.30	40.90
7	11020.00	60.5 PK	74.0	-13.5	2.34 H	49	41.20	19.30
8	11020.00	47.6 AV	54.0	-6.4	2.34 H	49	28.30	19.30

**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	66.8 PK	74.0	-7.2	1.72 V	292	60.10	6.70
2	5460.00	50.7 AV	54.0	-3.3	1.72 V	292	44.00	6.70
3	#5470.00	70.1 PK	74.0	-3.9	1.80 V	286	63.40	6.70
4	#5470.00	53.7 AV	54.0	-0.3	1.80 V	286	47.00	6.70
5	*5510.00	114.6 PK			1.59 V	283	73.70	40.90
6	*5510.00	103.3 AV			1.59 V	283	62.40	40.90
7	11020.00	60.1 PK	74.0	-13.9	1.27 V	145	40.80	19.30
8	11020.00	47.4 AV	54.0	-6.6	1.27 V	145	28.10	19.30

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.5 PK	74.0	-14.5	1.90 H	278	52.80	6.70
2	5460.00	47.1 AV	54.0	-6.9	1.90 H	278	40.40	6.70
3	#5470.00	60.6 PK	74.0	-13.4	1.85 H	240	53.90	6.70
4	#5470.00	48.0 AV	54.0	-6.0	1.85 H	240	41.30	6.70
5	*5550.00	114.7 PK			1.76 H	266	73.70	41.00
6	*5550.00	104.9 AV			1.76 H	266	63.90	41.00
7	11100.00	61.3 PK	74.0	-12.7	2.02 H	55	41.50	19.80
8	11100.00	48.3 AV	54.0	-5.7	2.02 H	55	28.50	19.80

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.9 PK	74.0	-13.1	1.73 V	298	54.20	6.70
2	5460.00	49.6 AV	54.0	-4.4	1.73 V	298	42.90	6.70
3	#5470.00	65.8 PK	74.0	-8.2	1.64 V	250	59.10	6.70
4	#5470.00	51.0 AV	54.0	-3.0	1.64 V	250	44.30	6.70
5	*5550.00	117.8 PK			1.51 V	285	76.80	41.00
6	*5550.00	107.3 AV			1.51 V	285	66.30	41.00
7	11100.00	61.0 PK	74.0	-13.0	1.31 V	138	41.20	19.80
8	11100.00	48.1 AV	54.0	-5.9	1.31 V	138	28.30	19.80

**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.

CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	58.5 PK	74.0	-15.5	2.09 H	279	51.80	6.70
2	#5470.00	47.3 AV	54.0	-6.7	2.09 H	279	40.60	6.70
3	*5590.00	114.1 PK			2.01 H	268	73.00	41.10
4	*5590.00	103.0 AV			2.01 H	268	61.90	41.10
5	#5850.00	58.6 PK	74.0	-15.4	1.93 H	245	50.90	7.70
6	#5850.00	47.5 AV	54.0	-6.5	1.93 H	245	39.80	7.70
7	11180.00	61.3 PK	74.0	-12.7	2.36 H	64	41.50	19.80
8	11180.00	48.2 AV	54.0	-5.8	2.36 H	64	28.40	19.80

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	60.1 PK	74.0	-13.9	1.69 V	269	53.40	6.70
2	#5470.00	48.5 AV	54.0	-5.5	1.69 V	269	41.80	6.70
3	*5590.00	117.1 PK			1.62 V	290	76.00	41.10
4	*5590.00	106.3 AV			1.62 V	290	65.20	41.10
5	#5850.00	59.2 PK	74.0	-14.8	1.72 V	303	51.50	7.70
6	#5850.00	48.5 AV	54.0	-5.5	1.72 V	303	40.80	7.70
7	11180.00	61.0 PK	74.0	-13.0	1.21 V	163	41.20	19.80
8	11180.00	48.3 AV	54.0	-5.7	1.21 V	163	28.50	19.80

**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 126	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	*5630.00	114.7 PK			2.02 H	272	73.50	41.20
2	*5630.00	103.4 AV			2.02 H	272	62.20	41.20
3	#5725.00	60.1 PK	74.0	-13.9	1.88 H	253	52.80	7.30
4	#5725.00	49.2 AV	54.0	-4.8	1.88 H	253	41.90	7.30
5	11260.00	60.7 PK	74.0	-13.3	2.08 H	57	40.80	19.90
6	11260.00	48.0 AV	54.0	-6.0	2.08 H	57	28.10	19.90

**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	*5630.00	116.6 PK			1.60 V	291	75.40	41.20
2	*5630.00	105.9 AV			1.60 V	291	64.70	41.20
3	#5725.00	61.1 PK	74.0	-12.9	1.81 V	280	53.80	7.30
4	#5725.00	50.1 AV	54.0	-3.9	1.81 V	280	42.80	7.30
5	11260.00	60.5 PK	74.0	-13.5	1.25 V	139	40.60	19.90
6	11260.00	47.9 AV	54.0	-6.1	1.25 V	139	28.00	19.90

**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	110.6 PK			1.93 H	271	69.30	41.30
2	*5670.00	100.2 AV			1.93 H	271	58.90	41.30
3	#5725.00	64.9 PK	74.0	-9.1	2.10 H	240	57.60	7.30
4	#5725.00	50.5 AV	54.0	-3.5	2.10 H	240	43.20	7.30
5	11340.00	61.6 PK	74.0	-12.4	2.23 H	61	41.40	20.20
6	11340.00	48.6 AV	54.0	-5.4	2.23 H	61	28.40	20.20

**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	115.1 PK			1.54 V	266	73.80	41.30
2	*5670.00	103.9 AV			1.54 V	266	62.60	41.30
3	#5725.00	69.1 PK	74.0	-4.9	1.68 V	299	61.80	7.30
4	#5725.00	53.3 AV	54.0	-0.7	1.68 V	299	46.00	7.30
5	11340.00	61.3 PK	74.0	-12.7	1.30 V	151	41.10	20.20
6	11340.00	48.4 AV	54.0	-5.6	1.30 V	151	28.20	20.20

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.9 PK	74.0	-16.1	2.05 H	266	51.20	6.70
2	#5470.00	47.1 AV	54.0	-6.9	2.05 H	266	40.40	6.70
3	*5710.00	112.8 PK			2.09 H	254	71.30	41.50
4	*5710.00	102.0 AV			2.09 H	254	60.50	41.50
5	#5850.00	58.3 PK	74.0	-15.7	1.91 H	241	50.60	7.70
6	#5850.00	47.7 AV	54.0	-6.3	1.91 H	241	40.00	7.70
7	11420.00	61.6 PK	74.0	-12.4	2.19 H	80	41.20	20.40
8	11420.00	48.9 AV	54.0	-5.1	2.19 H	80	28.50	20.40

**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	58.6 PK	74.0	-15.4	1.62 V	307	51.90	6.70
2	#5470.00	47.9 AV	54.0	-6.1	1.62 V	307	41.20	6.70
3	*5710.00	117.6 PK			1.55 V	297	76.10	41.50
4	*5710.00	106.6 AV			1.55 V	297	65.10	41.50
5	#5850.00	58.6 PK	74.0	-15.4	1.59 V	282	50.90	7.70
6	#5850.00	48.5 AV	54.0	-5.5	1.59 V	282	40.80	7.70
7	11420.00	61.3 PK	74.0	-12.7	1.19 V	179	40.90	20.40
8	11420.00	48.6 AV	54.0	-5.4	1.19 V	179	28.20	20.40

**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 151	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	#5644.80	62.0 PK	68.2	-6.2	2.44 H	274	54.90	7.10
2	*5755.00	114.6 PK			2.44 H	274	73.00	41.60
3	*5755.00	103.2 AV			2.44 H	274	61.60	41.60
4	#5976.00	60.7 PK	68.2	-7.5	2.44 H	274	52.80	7.90
5	11510.00	60.8 PK	74.0	-13.2	1.15 H	47	40.60	20.20
6	11510.00	48.9 AV	54.0	-5.1	1.15 H	47	28.70	20.20

**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	#5649.60	67.1 PK	68.2	-1.1	1.79 V	268	60.00	7.10
2	*5755.00	120.4 PK			1.79 V	268	78.80	41.60
3	*5755.00	108.9 AV			1.79 V	268	67.30	41.60
4	#5956.00	63.5 PK	68.2	-4.7	1.79 V	268	55.60	7.90
5	11510.00	61.7 PK	74.0	-12.3	1.05 V	64	41.50	20.20
6	11510.00	50.0 AV	54.0	-4.0	1.05 V	64	29.80	20.20

**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 159	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	#5635.20	60.2 PK	68.2	-8.0	1.80 H	244	53.20	7.00
2	*5795.00	114.4 PK			1.80 H	244	72.70	41.70
3	*5795.00	104.7 AV			1.80 H	244	63.00	41.70
4	#5933.60	61.2 PK	68.2	-7.0	1.80 H	244	53.40	7.80
5	11590.00	60.8 PK	74.0	-13.2	1.25 H	63	40.70	20.10
6	11590.00	48.8 AV	54.0	-5.2	1.25 H	63	28.70	20.10

**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	#5607.20	61.2 PK	68.2	-7.0	1.85 V	288	54.30	6.90
2	*5795.00	120.6 PK			1.85 V	288	78.90	41.70
3	*5795.00	109.7 AV			1.85 V	288	68.00	41.70
4	#5936.80	60.5 PK	68.2	-7.7	1.85 V	288	52.70	7.80
5	11590.00	61.8 PK	74.0	-12.2	1.47 V	87	41.70	20.10
6	11590.00	50.0 AV	54.0	-4.0	1.47 V	87	29.90	20.10

**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 42	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	64.4 PK	74.0	-9.6	2.09 H	289	58.30	6.10
2	5150.00	48.3 AV	54.0	-5.7	2.09 H	289	42.20	6.10
3	*5210.00	108.1 PK			2.09 H	289	67.80	40.30
4	*5210.00	96.3 AV			2.09 H	289	56.00	40.30
5	#10420.00	58.4 PK	74.0	-15.6	1.47 H	54	40.30	18.10
6	#10420.00	46.8 AV	54.0	-7.2	1.47 H	54	28.70	18.10

**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	72.3 PK	74.0	-1.7	1.80 V	268	66.20	6.10
2	5150.00	53.1 AV	54.0	-0.9	1.80 V	268	47.00	6.10
3	*5210.00	113.6 PK			1.80 V	268	73.30	40.30
4	*5210.00	102.5 AV			1.80 V	268	62.20	40.30
5	#10420.00	59.9 PK	74.0	-14.1	1.52 V	64	41.80	18.10
6	#10420.00	48.0 AV	54.0	-6.0	1.52 V	64	29.90	18.10

**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 58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	108.2 PK			1.81 H	293	67.80	40.40
2	*5290.00	96.3 AV			1.81 H	293	55.90	40.40
3	5350.00	63.4 PK	74.0	-10.6	1.81 H	293	56.90	6.50
4	5350.00	49.4 AV	54.0	-4.6	1.81 H	293	42.90	6.50
5	#10380.00	58.3 PK	74.0	-15.7	1.47 H	41	40.30	18.00
6	#10380.00	46.7 AV	54.0	-7.3	1.47 H	41	28.70	18.00

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	116.4 PK			1.84 V	269	76.00	40.40
2	*5290.00	104.5 AV			1.84 V	269	64.10	40.40
3	5350.00	69.4 PK	74.0	-4.6	1.84 V	269	62.90	6.50
4	5350.00	53.3 AV	54.0	-0.7	1.84 V	269	46.80	6.50
5	#10580.00	60.2 PK	74.0	-13.8	1.33 V	24	41.50	18.70
6	#10580.00	48.6 AV	54.0	-5.4	1.33 V	24	29.90	18.70

**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	63.1 PK	74.0	-10.9	1.93 H	262	56.40	6.70
2	5460.00	49.0 AV	54.0	-5.0	1.93 H	262	42.30	6.70
3	#5470.00	65.4 PK	74.0	-8.6	1.93 H	262	58.70	6.70
4	#5470.00	50.7 AV	54.0	-3.3	1.93 H	262	44.00	6.70
5	*5530.00	108.8 PK			1.93 H	262	67.90	40.90
6	*5530.00	96.4 AV			1.93 H	262	55.50	40.90
7	11060.00	59.9 PK	74.0	-14.1	1.47 H	54	40.30	19.60
8	11060.00	48.0 AV	54.0	-6.0	1.47 H	54	28.40	19.60

**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	69.1 PK	74.0	-4.9	1.18 V	10	62.40	6.70
2	5460.00	51.4 AV	54.0	-2.6	1.18 V	10	44.70	6.70
3	#5470.00	71.6 PK	74.0	-2.4	1.18 V	10	64.90	6.70
4	#5470.00	53.4 AV	54.0	-0.6	1.18 V	10	46.70	6.70
5	*5530.00	109.9 PK			1.18 V	10	69.00	40.90
6	*5530.00	98.5 AV			1.18 V	10	57.60	40.90
7	11060.00	61.1 PK	74.0	-12.9	1.47 V	85	41.50	19.60
8	11060.00	49.3 AV	54.0	-4.7	1.47 V	85	29.70	19.60

**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	#5470.00	61.0 PK	74.0	-13.0	1.93 H	262	54.30	6.70
2	#5470.00	47.0 AV	54.0	-7.0	1.93 H	262	40.30	6.70
3	*5610.00	111.5 PK			1.93 H	262	70.40	41.10
4	*5610.00	101.4 AV			1.93 H	262	60.30	41.10
5	11220.00	60.0 PK	74.0	-14.0	1.52 H	64	40.10	19.90
6	11220.00	48.6 AV	54.0	-5.4	1.52 H	64	28.70	19.90

**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	51.5 PK	74.0	-22.5	1.40 V	0	44.80	6.70
2	#5470.00	48.3 AV	54.0	-5.7	1.40 V	0	41.60	6.70
3	*5610.00	112.1 PK			1.40 V	0	71.00	41.10
4	*5610.00	102.7 AV			1.40 V	0	61.60	41.10
5	11220.00	61.1 PK	74.0	-12.9	1.07 V	54	41.20	19.90
6	11220.00	49.6 AV	54.0	-4.4	1.07 V	54	29.70	19.90

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	57.9 PK	74.0	-16.1	2.15 H	277	51.20	6.70
2	#5470.00	47.1 AV	54.0	-6.9	2.15 H	277	40.40	6.70
3	*5690.00	108.9 PK			2.25 H	257	67.60	41.30
4	*5690.00	99.6 AV			2.25 H	257	58.30	41.30
5	#5850.00	61.4 PK	74.0	-12.6	2.20 H	262	53.70	7.70
6	#5850.00	49.5 AV	54.0	-4.5	2.20 H	262	41.80	7.70
7	11380.00	62.1 PK	74.0	-11.9	1.85 H	79	41.80	20.30
8	11380.00	48.7 AV	54.0	-5.3	1.85 H	79	28.40	20.30

**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	58.9 PK	74.0	-15.1	1.93 V	279	52.20	6.70
2	#5470.00	47.6 AV	54.0	-6.4	1.93 V	279	40.90	6.70
3	*5690.00	114.9 PK			1.72 V	272	73.60	41.30
4	*5690.00	104.3 AV			1.72 V	272	63.00	41.30
5	#5850.00	63.2 PK	74.0	-10.8	1.86 V	263	55.50	7.70
6	#5850.00	51.8 AV	54.0	-2.2	1.86 V	263	44.10	7.70
7	11380.00	62.0 PK	74.0	-12.0	2.04 V	42	41.70	20.30
8	11380.00	48.9 AV	54.0	-5.1	2.04 V	42	28.60	20.30

**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 155	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	#5635.20	62.9 PK	68.2	-5.3	1.88 H	71	55.90	7.00
2	*5775.00	110.6 PK			1.88 H	71	69.00	41.60
3	*5775.00	98.7 AV			1.88 H	71	57.10	41.60
4	#5940.80	60.1 PK	68.2	-8.1	1.88 H	71	52.30	7.80
5	11550.00	60.7 PK	74.0	-13.3	1.36 H	54	40.50	20.20
6	11550.00	48.6 AV	54.0	-5.4	1.36 H	54	28.40	20.20

**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	#5647.20	66.8 PK	68.2	-1.4	1.00 V	87	59.70	7.10
2	*5775.00	115.5 PK			1.00 V	87	73.90	41.60
3	*5775.00	104.1 AV			1.00 V	87	62.50	41.60
4	#5927.20	63.9 PK	68.2	-4.3	1.00 V	87	56.10	7.80
5	11550.00	61.4 PK	74.0	-12.6	1.25 V	64	41.20	20.20
6	11550.00	50.0 AV	54.0	-4.0	1.25 V	64	29.80	20.20

**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.

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802.11ac (VHT20)

CHANNEL	TX Channel 36	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	5150.00	63.4 PK	74.0	-10.6	1.68 H	245	57.30	6.10
2	5150.00	47.3 AV	54.0	-6.7	1.68 H	245	41.20	6.10
3	*5180.00	112.4 PK			1.74 H	263	72.20	40.20
4	*5180.00	101.5 AV			1.74 H	263	61.30	40.20
5	#10360.00	59.7 PK	74.0	-14.3	1.05 H	185	41.80	17.90
6	#10360.00	46.6 AV	54.0	-7.4	1.05 H	185	28.70	17.90

**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	70.0 PK	74.0	-4.0	1.91 V	279	63.90	6.10
2	5150.00	53.0 AV	54.0	-1.0	1.91 V	279	46.90	6.10
3	*5180.00	117.1 PK			1.93 V	291	76.90	40.20
4	*5180.00	105.9 AV			1.93 V	291	65.70	40.20
5	#10360.00	60.3 PK	74.0	-13.7	1.13 V	127	42.40	17.90
6	#10360.00	47.1 AV	54.0	-6.9	1.13 V	127	29.20	17.90

**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 40	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	62.8 PK	74.0	-11.2	1.72 H	243	56.70	6.10
2	5150.00	49.6 AV	54.0	-4.4	1.72 H	243	43.50	6.10
3	*5200.00	115.2 PK			1.86 H	264	75.00	40.20
4	*5200.00	104.1 AV			1.86 H	264	63.90	40.20
5	#10400.00	60.2 PK	74.0	-13.8	1.08 H	191	42.00	18.20
6	#10400.00	47.3 AV	54.0	-6.7	1.08 H	191	29.10	18.20

**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	68.7 PK	74.0	-5.3	1.73 V	268	62.60	6.10
2	5150.00	52.9 AV	54.0	-1.1	1.73 V	268	46.80	6.10
3	*5200.00	120.4 PK			1.78 V	292	80.20	40.20
4	*5200.00	109.5 AV			1.78 V	292	69.30	40.20
5	#10400.00	60.8 PK	74.0	-13.2	1.17 V	132	42.60	18.20
6	#10400.00	47.7 AV	54.0	-6.3	1.17 V	132	29.50	18.20

**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 48	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	*5240.00	118.3 PK			1.67 H	263	77.90	40.40
2	*5240.00	106.6 AV			1.67 H	263	66.20	40.40
3	5350.00	60.5 PK	74.0	-13.5	1.58 H	276	54.00	6.50
4	5350.00	48.9 AV	54.0	-5.1	1.58 H	276	42.40	6.50
5	#10480.00	60.4 PK	74.0	-13.6	1.04 H	189	42.00	18.40
6	#10480.00	47.4 AV	54.0	-6.6	1.04 H	189	29.00	18.40

**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	*5240.00	123.1 PK			1.73 V	284	82.70	40.40
2	*5240.00	110.9 AV			1.73 V	284	70.50	40.40
3	5350.00	66.7 PK	74.0	-7.3	1.80 V	296	60.20	6.50
4	5350.00	53.0 AV	54.0	-1.0	1.80 V	296	46.50	6.50
5	#10480.00	61.3 PK	74.0	-12.7	1.11 V	123	42.90	18.40
6	#10480.00	48.0 AV	54.0	-6.0	1.11 V	123	29.60	18.40

**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 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	59.3 PK	74.0	-14.7	2.80 H	260	53.20	6.10
2	5150.00	47.5 AV	54.0	-6.5	2.80 H	260	41.40	6.10
3	*5260.00	118.0 PK			1.76 H	254	77.60	40.40
4	*5260.00	106.0 AV			1.76 H	254	65.60	40.40
5	#10520.00	60.1 PK	74.0	-13.9	1.10 H	29	41.70	18.40
6	#10520.00	47.5 AV	54.0	-6.5	1.10 H	29	29.10	18.40

**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	63.3 PK	74.0	-10.7	1.57 V	314	57.20	6.10
2	5150.00	49.1 AV	54.0	-4.9	1.57 V	314	43.00	6.10
3	*5260.00	123.4 PK			1.69 V	286	83.00	40.40
4	*5260.00	111.0 AV			1.69 V	286	70.60	40.40
5	#10520.00	60.6 PK	74.0	-13.4	1.20 V	89	42.20	18.40
6	#10520.00	48.1 AV	54.0	-5.9	1.20 V	89	29.70	18.40

**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	116.4 PK			1.63 H	255	75.90	40.50
2	*5300.00	104.3 AV			1.63 H	255	63.80	40.50
3	5350.00	65.1 PK	74.0	-8.9	1.60 H	249	58.60	6.50
4	5350.00	50.6 AV	54.0	-3.4	1.60 H	249	44.10	6.50
5	10600.00	60.4 PK	74.0	-13.6	1.12 H	34	41.60	18.80
6	10600.00	48.1 AV	54.0	-5.9	1.12 H	34	29.30	18.80

**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	121.0 PK			1.70 V	284	80.50	40.50
2	*5300.00	109.3 AV			1.70 V	284	68.80	40.50
3	5350.00	68.4 PK	74.0	-5.6	1.89 V	159	61.90	6.50
4	5350.00	53.2 AV	54.0	-0.8	1.89 V	159	46.70	6.50
5	10600.00	60.9 PK	74.0	-13.1	1.22 V	83	42.10	18.80
6	10600.00	48.5 AV	54.0	-5.5	1.22 V	83	29.70	18.80

**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.

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	112.7 PK			1.80 H	261	72.20	40.50
2	*5320.00	101.0 AV			1.80 H	261	60.50	40.50
3	5350.00	63.8 PK	74.0	-10.2	1.76 H	248	57.30	6.50
4	5350.00	50.9 AV	54.0	-3.1	1.76 H	248	44.40	6.50
5	10640.00	60.3 PK	74.0	-13.7	1.03 H	11	41.30	19.00
6	10640.00	48.4 AV	54.0	-5.6	1.03 H	11	29.40	19.00

**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			1.83 V	285	77.10	40.50
2	*5320.00	105.6 AV			1.83 V	285	65.10	40.50
3	5350.00	68.7 PK	74.0	-5.3	1.77 V	135	62.20	6.50
4	5350.00	53.1 AV	54.0	-0.9	1.77 V	135	46.60	6.50
5	10640.00	61.0 PK	74.0	-13.0	1.25 V	97	42.00	19.00
6	10640.00	48.8 AV	54.0	-5.2	1.25 V	97	29.80	19.00

**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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.6 PK	74.0	-15.4	1.60 H	262	51.90	6.70
2	5460.00	47.9 AV	54.0	-6.1	1.60 H	262	41.20	6.70
3	#5470.00	64.5 PK	74.0	-9.5	1.72 H	280	57.80	6.70
4	#5470.00	49.7 AV	54.0	-4.3	1.72 H	280	43.00	6.70
5	*5500.00	113.8 PK			1.68 H	266	72.90	40.90
6	*5500.00	102.3 AV			1.68 H	266	61.40	40.90
7	11000.00	60.8 PK	74.0	-13.2	1.18 H	63	41.50	19.30
8	11000.00	47.7 AV	54.0	-6.3	1.18 H	63	28.40	19.30

**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	61.3 PK	74.0	-12.7	1.62 V	300	54.60	6.70
2	5460.00	50.0 AV	54.0	-4.0	1.62 V	300	43.30	6.70
3	#5470.00	67.1 PK	74.0	-6.9	1.69 V	224	60.40	6.70
4	#5470.00	52.8 AV	54.0	-1.2	1.69 V	224	46.10	6.70
5	*5500.00	116.8 PK			1.74 V	287	75.90	40.90
6	*5500.00	105.1 AV			1.74 V	287	64.20	40.90
7	11000.00	61.2 PK	74.0	-12.8	1.27 V	102	41.90	19.30
8	11000.00	48.2 AV	54.0	-5.8	1.27 V	102	28.90	19.30

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	119.9 PK			1.84 H	276	78.90	41.00
2	*5580.00	108.3 AV			1.84 H	276	67.30	41.00
3	11160.00	62.4 PK	74.0	-11.6	1.15 H	69	42.60	19.80
4	11160.00	49.4 AV	54.0	-4.6	1.15 H	69	29.60	19.80

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	122.1 PK			1.78 V	292	81.10	41.00
2	*5580.00	111.3 AV			1.78 V	292	70.30	41.00
3	11160.00	62.6 PK	74.0	-11.4	1.33 V	109	42.80	19.80
4	11160.00	50.2 AV	54.0	-3.8	1.33 V	109	30.40	19.80

**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.

CHANNEL	TX Channel 120	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	*5600.00	119.9 PK			1.59 H	271	78.80	41.10
2	*5600.00	109.5 AV			1.59 H	271	68.40	41.10
3	#5725.00	59.7 PK	74.0	-14.3	1.69 H	287	52.40	7.30
4	#5725.00	47.9 AV	54.0	-6.1	1.69 H	287	40.60	7.30
5	11200.00	60.3 PK	74.0	-13.7	1.63 H	97	40.50	19.80
6	11200.00	48.5 AV	54.0	-5.5	1.63 H	97	28.70	19.80

**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	*5600.00	123.1 PK			1.84 V	263	82.00	41.10
2	*5600.00	110.4 AV			1.84 V	263	69.30	41.10
3	#5725.00	64.3 PK	74.0	-9.7	1.74 V	289	57.00	7.30
4	#5725.00	49.9 AV	54.0	-4.1	1.74 V	289	42.60	7.30
5	11200.00	61.0 PK	74.0	-13.0	1.25 V	96	41.20	19.80
6	11200.00	48.5 AV	54.0	-5.5	1.25 V	96	28.70	19.80

**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 124	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	*5620.00	120.8 PK			1.78 H	265	79.70	41.10
2	*5620.00	111.1 AV			1.78 H	265	70.00	41.10
3	#5725.00	60.0 PK	74.0	-14.0	1.86 H	279	52.70	7.30
4	#5725.00	47.3 AV	54.0	-6.7	1.86 H	279	40.00	7.30
5	11240.00	60.5 PK	74.0	-13.5	1.47 H	65	40.60	19.90
6	11240.00	48.6 AV	54.0	-5.4	1.47 H	65	28.70	19.90

**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	*5620.00	122.0 PK			1.20 V	360	80.90	41.10
2	*5620.00	110.8 AV			1.20 V	360	69.70	41.10
3	#5725.00	61.3 PK	74.0	-12.7	1.36 V	342	54.00	7.30
4	#5725.00	49.1 AV	54.0	-4.9	1.36 V	342	41.80	7.30
5	11240.00	61.4 PK	74.0	-12.6	1.36 V	97	41.50	19.90
6	11240.00	50.0 AV	54.0	-4.0	1.36 V	97	30.10	19.90

**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 128	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	*5640.00	120.1 PK			1.84 H	255	78.90	41.20
2	*5640.00	109.1 AV			1.84 H	255	67.90	41.20
3	#5725.00	59.9 PK	74.0	-14.1	1.74 H	269	52.60	7.30
4	#5725.00	47.6 AV	54.0	-6.4	1.74 H	269	40.30	7.30
5	11280.00	60.4 PK	74.0	-13.6	1.32 H	65	40.50	19.90
6	11280.00	48.3 AV	54.0	-5.7	1.32 H	65	28.40	19.90

**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	*5640.00	121.9 PK			1.12 V	10	80.70	41.20
2	*5640.00	110.2 AV			1.12 V	10	69.00	41.20
3	#5725.00	60.9 PK	74.0	-13.1	1.12 V	10	53.60	7.30
4	#5725.00	48.6 AV	54.0	-5.4	1.12 V	10	41.30	7.30
5	11280.00	61.4 PK	74.0	-12.6	1.32 V	17	41.50	19.90
6	11280.00	49.8 AV	54.0	-4.2	1.32 V	17	29.90	19.90

**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	112.3 PK			1.70 H	244	70.80	41.50
2	*5700.00	100.2 AV			1.70 H	244	58.70	41.50
3	#5725.00	64.8 PK	74.0	-9.2	1.58 H	236	57.50	7.30
4	#5725.00	50.8 AV	54.0	-3.2	1.58 H	236	43.50	7.30
5	11400.00	61.8 PK	74.0	-12.2	1.09 H	40	41.40	20.40
6	11400.00	48.8 AV	54.0	-5.2	1.09 H	40	28.40	20.40

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	115.4 PK			1.86 V	271	73.90	41.50
2	*5700.00	105.5 AV			1.86 V	271	64.00	41.50
3	#5725.00	72.4 PK	74.0	-1.6	1.54 V	79	65.10	7.30
4	#5725.00	53.3 AV	54.0	-0.7	1.54 V	79	46.00	7.30
5	11400.00	62.3 PK	74.0	-11.7	1.29 V	110	41.90	20.40
6	11400.00	49.3 AV	54.0	-4.7	1.29 V	110	28.90	20.40

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	59.4 PK	74.0	-14.6	1.71 H	266	52.70	6.70
2	#5470.00	46.9 AV	54.0	-7.1	1.71 H	266	40.20	6.70
3	*5720.00	120.4 PK			1.86 H	258	78.90	41.50
4	*5720.00	110.2 AV			1.86 H	258	68.70	41.50
5	#5850.00	59.0 PK	74.0	-15.0	1.90 H	267	51.30	7.70
6	#5850.00	48.4 AV	54.0	-5.6	1.90 H	267	40.70	7.70
7	11440.00	60.9 PK	74.0	-13.1	1.58 H	79	40.60	20.30
8	11440.00	49.0 AV	54.0	-5.0	1.58 H	79	28.70	20.30

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	60.7 PK	74.0	-13.3	1.87 V	293	54.00	6.70
2	#5470.00	48.5 AV	54.0	-5.5	1.87 V	293	41.80	6.70
3	*5720.00	121.5 PK			1.76 V	283	80.00	41.50
4	*5720.00	110.5 AV			1.76 V	283	69.00	41.50
5	#5850.00	61.7 PK	74.0	-12.3	1.64 V	274	54.00	7.70
6	#5850.00	49.3 AV	54.0	-4.7	1.64 V	274	41.60	7.70
7	11440.00	61.5 PK	74.0	-12.5	1.47 V	87	41.20	20.30
8	11440.00	49.8 AV	54.0	-4.2	1.47 V	87	29.50	20.30

**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 149	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	#5641.60	58.9 PK	68.2	-9.3	2.36 H	267	51.80	7.10
2	*5745.00	117.0 PK			2.36 H	267	75.40	41.60
3	*5745.00	105.4 AV			2.36 H	267	63.80	41.60
4	#5979.20	60.0 PK	68.2	-8.2	2.36 H	267	52.10	7.90
5	11490.00	63.1 PK	74.0	-10.9	1.44 H	328	42.80	20.30
6	11490.00	49.8 AV	54.0	-4.2	1.44 H	328	29.50	20.30

**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	#5624.80	61.5 PK	68.2	-6.7	1.79 V	289	54.50	7.00
2	*5745.00	122.2 PK			1.79 V	289	80.60	41.60
3	*5745.00	110.7 AV			1.79 V	289	69.10	41.60
4	#5972.80	61.1 PK	68.2	-7.1	1.79 V	289	53.20	7.90
5	11490.00	62.6 PK	74.0	-11.4	1.23 V	214	42.30	20.30
6	11490.00	49.4 AV	54.0	-4.6	1.23 V	214	29.10	20.30

**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 157	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	#5608.00	59.1 PK	68.2	-9.1	2.33 H	269	52.20	6.90
2	*5785.00	116.7 PK			2.33 H	269	75.10	41.60
3	*5785.00	105.8 AV			2.33 H	269	64.20	41.60
4	#5983.20	61.9 PK	68.2	-6.3	2.33 H	269	54.00	7.90
5	11570.00	63.0 PK	74.0	-11.0	1.40 H	321	42.90	20.10
6	11570.00	49.7 AV	54.0	-4.3	1.40 H	321	29.60	20.10

**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	#5632.00	60.6 PK	68.2	-7.6	1.98 V	271	53.60	7.00
2	*5785.00	120.2 PK			1.98 V	271	78.60	41.60
3	*5785.00	109.6 AV			1.98 V	271	68.00	41.60
4	#5952.80	61.2 PK	68.2	-7.0	1.98 V	271	53.40	7.80
5	11570.00	62.6 PK	74.0	-11.4	1.20 V	219	42.50	20.10
6	11570.00	49.3 AV	54.0	-4.7	1.20 V	219	29.20	20.10

**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.

CHANNEL	TX Channel 165	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	#5633.60	59.7 PK	68.2	-8.5	2.22 H	266	52.70	7.00
2	*5825.00	116.4 PK			2.22 H	266	74.60	41.80
3	*5825.00	105.0 AV			2.22 H	266	63.20	41.80
4	#5938.40	60.7 PK	68.2	-7.5	2.22 H	266	52.90	7.80
5	11650.00	62.2 PK	74.0	-11.8	1.39 H	331	42.40	19.80
6	11650.00	49.1 AV	54.0	-4.9	1.39 H	331	29.30	19.80

**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	#5629.60	59.9 PK	68.2	-8.3	1.90 V	273	52.90	7.00
2	*5825.00	120.1 PK			1.90 V	273	78.30	41.80
3	*5825.00	109.6 AV			1.90 V	273	67.80	41.80
4	#5988.80	61.1 PK	68.2	-7.1	1.90 V	273	53.20	7.90
5	11650.00	62.0 PK	74.0	-12.0	1.25 V	222	42.20	19.80
6	11650.00	48.8 AV	54.0	-5.2	1.25 V	222	29.00	19.80

**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 (VHT40)**

CHANNEL	TX Channel 38	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	66.5 PK	74.0	-7.5	1.86 H	269	60.40	6.10
2	5150.00	49.6 AV	54.0	-4.4	1.86 H	269	43.50	6.10
3	*5190.00	109.1 PK			1.79 H	256	68.90	40.20
4	*5190.00	99.6 AV			1.79 H	256	59.40	40.20
5	#10380.00	58.0 PK	74.0	-16.0	1.47 H	65	40.00	18.00
6	#10380.00	46.7 AV	54.0	-7.3	1.47 H	65	28.70	18.00

**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	69.2 PK	74.0	-4.8	1.47 V	12	63.10	6.10
2	5150.00	53.1 AV	54.0	-0.9	1.47 V	12	47.00	6.10
3	*5190.00	111.0 PK			1.78 V	259	70.80	40.20
4	*5190.00	100.9 AV			1.78 V	259	60.70	40.20
5	#10380.00	60.5 PK	74.0	-13.5	1.63 V	54	42.50	18.00
6	#10380.00	48.4 AV	54.0	-5.6	1.63 V	54	30.40	18.00

**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 46	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	*5230.00	116.2 PK			1.72 H	264	75.80	40.40
2	*5230.00	105.5 AV			1.72 H	264	65.10	40.40
3	5350.00	63.6 PK	74.0	-10.4	1.68 H	256	57.10	6.50
4	5350.00	49.8 AV	54.0	-4.2	1.68 H	256	43.30	6.50
5	#10460.00	59.8 PK	74.0	-14.2	1.09 H	104	41.60	18.20
6	#10460.00	47.1 AV	54.0	-6.9	1.09 H	104	28.90	18.20

**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	*5230.00	120.2 PK			1.83 V	264	79.80	40.40
2	*5230.00	109.6 AV			1.83 V	264	69.20	40.40
3	5350.00	66.0 PK	74.0	-8.0	1.81 V	285	59.50	6.50
4	5350.00	53.1 AV	54.0	-0.9	1.81 V	285	46.60	6.50
5	#10460.00	59.6 PK	74.0	-14.4	1.15 V	233	41.40	18.20
6	#10460.00	47.4 AV	54.0	-6.6	1.15 V	233	29.20	18.20

**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 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	114.7 PK			1.71 H	264	74.30	40.40
2	*5270.00	104.3 AV			1.71 H	264	63.90	40.40
3	5350.00	63.2 PK	74.0	-10.8	1.90 H	252	56.70	6.50
4	5350.00	49.2 AV	54.0	-4.8	1.90 H	252	42.70	6.50
5	#10540.00	60.1 PK	74.0	-13.9	1.04 H	111	41.50	18.60
6	#10540.00	47.2 AV	54.0	-6.8	1.04 H	111	28.60	18.60

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	117.9 PK			1.84 V	269	77.50	40.40
2	*5270.00	107.1 AV			1.84 V	269	66.70	40.40
3	5350.00	65.4 PK	74.0	-8.6	1.71 V	282	58.90	6.50
4	5350.00	53.1 AV	54.0	-0.9	1.71 V	282	46.60	6.50
5	#10540.00	59.7 PK	74.0	-14.3	1.13 V	240	41.10	18.60
6	#10540.00	47.6 AV	54.0	-6.4	1.13 V	240	29.00	18.60

**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	109.8 PK			1.70 H	263	69.30	40.50
2	*5310.00	99.6 AV			1.70 H	263	59.10	40.50
3	5350.00	69.0 PK	74.0	-5.0	1.87 H	252	62.50	6.50
4	5350.00	49.7 AV	54.0	-4.3	1.87 H	252	43.20	6.50
5	10620.00	60.0 PK	74.0	-14.0	1.10 H	128	41.10	18.90
6	10620.00	47.3 AV	54.0	-6.7	1.10 H	128	28.40	18.90

**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	113.6 PK			1.65 V	285	73.10	40.50
2	*5310.00	103.0 AV			1.65 V	285	62.50	40.50
3	5350.00	68.2 PK	74.0	-5.8	1.71 V	289	61.70	6.50
4	5350.00	53.1 AV	54.0	-0.9	1.71 V	289	46.60	6.50
5	10620.00	60.3 PK	74.0	-13.7	1.22 V	204	41.40	18.90
6	10620.00	47.8 AV	54.0	-6.2	1.22 V	204	28.90	18.90

**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.

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.3 PK	74.0	-11.7	1.66 H	254	55.60	6.70
2	5460.00	48.5 AV	54.0	-5.5	1.66 H	254	41.80	6.70
3	#5470.00	65.2 PK	74.0	-8.8	1.52 H	278	58.50	6.70
4	#5470.00	50.8 AV	54.0	-3.2	1.52 H	278	44.10	6.70
5	*5510.00	109.6 PK			1.60 H	262	68.70	40.90
6	*5510.00	100.1 AV			1.60 H	262	59.20	40.90
7	11020.00	59.8 PK	74.0	-14.2	1.11 H	86	40.50	19.30
8	11020.00	47.3 AV	54.0	-6.7	1.11 H	86	28.00	19.30

**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	67.8 PK	74.0	-6.2	1.92 V	301	61.10	6.70
2	5460.00	50.5 AV	54.0	-3.5	1.92 V	301	43.80	6.70
3	#5470.00	72.7 PK	74.0	-1.3	1.86 V	279	66.00	6.70
4	#5470.00	53.1 AV	54.0	-0.9	1.86 V	279	46.40	6.70
5	*5510.00	112.5 PK			1.88 V	286	71.60	40.90
6	*5510.00	102.5 AV			1.88 V	286	61.60	40.90
7	11020.00	60.2 PK	74.0	-13.8	1.27 V	192	40.90	19.30
8	11020.00	47.6 AV	54.0	-6.4	1.27 V	192	28.30	19.30

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	60.7 PK	74.0	-13.3	1.58 H	254	54.00	6.70
2	5460.00	48.7 AV	54.0	-5.3	1.58 H	254	42.00	6.70
3	#5470.00	63.9 PK	74.0	-10.1	1.71 H	190	57.20	6.70
4	#5470.00	50.2 AV	54.0	-3.8	1.71 H	190	43.50	6.70
5	*5550.00	115.2 PK			1.65 H	265	74.20	41.00
6	*5550.00	105.0 AV			1.65 H	265	64.00	41.00
7	11100.00	60.4 PK	74.0	-13.6	1.13 H	81	40.60	19.80
8	11100.00	47.9 AV	54.0	-6.1	1.13 H	81	28.10	19.80

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.0 PK	74.0	-9.0	1.70 V	265	58.30	6.70
2	5460.00	51.0 AV	54.0	-3.0	1.70 V	265	44.30	6.70
3	#5470.00	67.1 PK	74.0	-6.9	1.83 V	282	60.40	6.70
4	#5470.00	53.2 AV	54.0	-0.8	1.83 V	282	46.50	6.70
5	*5550.00	118.1 PK			1.75 V	288	77.10	41.00
6	*5550.00	107.6 AV			1.75 V	288	66.60	41.00
7	11100.00	60.7 PK	74.0	-13.3	1.24 V	199	40.90	19.80
8	11100.00	48.3 AV	54.0	-5.7	1.24 V	199	28.50	19.80

**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.

CHANNEL	TX Channel 118	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.8 PK	74.0	-14.2	1.53 H	248	53.10	6.70
2	5460.00	49.1 AV	54.0	-4.9	1.53 H	248	42.40	6.70
3	#5470.00	61.4 PK	74.0	-12.6	1.69 H	282	54.70	6.70
4	#5470.00	49.9 AV	54.0	-4.1	1.69 H	282	43.20	6.70
5	*5590.00	116.9 PK			1.59 H	260	75.80	41.10
6	*5590.00	104.6 AV			1.59 H	260	63.50	41.10
7	11180.00	61.0 PK	74.0	-13.0	1.08 H	62	41.20	19.80
8	11180.00	48.1 AV	54.0	-5.9	1.08 H	62	28.30	19.80

**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	63.1 PK	74.0	-10.9	1.68 V	263	56.40	6.70
2	5460.00	51.1 AV	54.0	-2.9	1.68 V	263	44.40	6.70
3	#5470.00	64.1 PK	74.0	-9.9	1.83 V	280	57.40	6.70
4	#5470.00	52.8 AV	54.0	-1.2	1.83 V	280	46.10	6.70
5	*5590.00	119.6 PK			1.89 V	286	78.50	41.10
6	*5590.00	107.8 AV			1.89 V	286	66.70	41.10
7	11180.00	61.3 PK	74.0	-12.7	1.28 V	200	41.50	19.80
8	11180.00	48.3 AV	54.0	-5.7	1.28 V	200	28.50	19.80

**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 126	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	*5630.00	115.7 PK			1.67 H	265	74.50	41.20
2	*5630.00	104.2 AV			1.67 H	265	63.00	41.20
3	#5725.00	63.1 PK	74.0	-10.9	1.46 H	257	55.80	7.30
4	#5725.00	50.3 AV	54.0	-3.7	1.46 H	257	43.00	7.30
5	11260.00	61.3 PK	74.0	-12.7	1.07 H	50	41.40	19.90
6	11260.00	48.2 AV	54.0	-5.8	1.07 H	50	28.30	19.90

**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	*5630.00	118.5 PK			1.64 V	297	77.30	41.20
2	*5630.00	107.2 AV			1.64 V	297	66.00	41.20
3	#5725.00	67.1 PK	74.0	-6.9	1.88 V	288	59.80	7.30
4	#5725.00	52.8 AV	54.0	-1.2	1.88 V	288	45.50	7.30
5	11260.00	61.8 PK	74.0	-12.2	1.20 V	160	41.90	19.90
6	11260.00	48.8 AV	54.0	-5.2	1.20 V	160	28.90	19.90

**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	108.3 PK			1.56 H	251	67.00	41.30
2	*5670.00	98.3 AV			1.56 H	251	57.00	41.30
3	#5725.00	60.4 PK	74.0	-13.6	1.67 H	224	53.10	7.30
4	#5725.00	48.1 AV	54.0	-5.9	1.67 H	224	40.80	7.30
5	11340.00	60.6 PK	74.0	-13.4	1.08 H	71	40.40	20.20
6	11340.00	48.3 AV	54.0	-5.7	1.08 H	71	28.10	20.20

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	112.6 PK			1.83 V	291	71.30	41.30
2	*5670.00	101.6 AV			1.83 V	291	60.30	41.30
3	#5725.00	67.3 PK	74.0	-6.7	1.97 V	281	60.00	7.30
4	#5725.00	52.9 AV	54.0	-1.1	1.97 V	281	45.60	7.30
5	11340.00	61.2 PK	74.0	-12.8	1.19 V	202	41.00	20.20
6	11340.00	48.9 AV	54.0	-5.1	1.19 V	202	28.70	20.20

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	58.2 PK	74.0	-15.8	1.55 H	267	51.50	6.70
2	#5470.00	47.7 AV	54.0	-6.3	1.55 H	267	41.00	6.70
3	*5710.00	116.1 PK			1.59 H	258	74.60	41.50
4	*5710.00	105.3 AV			1.59 H	258	63.80	41.50
5	#5850.00	60.3 PK	74.0	-13.7	1.65 H	240	52.60	7.70
6	#5850.00	49.2 AV	54.0	-4.8	1.65 H	240	41.50	7.70
7	11420.00	61.9 PK	74.0	-12.1	1.03 H	59	41.50	20.40
8	11420.00	49.1 AV	54.0	-4.9	1.03 H	59	28.70	20.40

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	59.9 PK	74.0	-14.1	1.54 V	311	53.20	6.70
2	#5470.00	49.7 AV	54.0	-4.3	1.54 V	311	43.00	6.70
3	*5710.00	120.2 PK			1.62 V	296	78.70	41.50
4	*5710.00	109.6 AV			1.62 V	296	68.10	41.50
5	#5850.00	67.6 PK	74.0	-6.4	1.77 V	285	59.90	7.70
6	#5850.00	52.3 AV	54.0	-1.7	1.77 V	285	44.60	7.70
7	11420.00	62.6 PK	74.0	-11.4	1.22 V	158	42.20	20.40
8	11420.00	49.5 AV	54.0	-4.5	1.22 V	158	29.10	20.40

**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 151	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	#5641.60	61.5 PK	68.2	-6.7	2.12 H	274	54.40	7.10
2	*5755.00	113.7 PK			2.12 H	274	72.10	41.60
3	*5755.00	103.0 AV			2.12 H	274	61.40	41.60
4	#5956.00	60.4 PK	68.2	-7.8	2.12 H	274	52.50	7.90
5	11510.00	62.2 PK	74.0	-11.8	1.36 H	305	42.00	20.20
6	11510.00	48.9 AV	54.0	-5.1	1.36 H	305	28.70	20.20

**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)
<b>1</b>	<b>#5648.00</b>	<b>68.1 PK</b>	<b>68.2</b>	<b>-0.1</b>	<b>1.73 V</b>	<b>289</b>	<b>61.00</b>	<b>7.10</b>
2	*5755.00	119.3 PK			1.73 V	289	77.70	41.60
3	*5755.00	107.6 AV			1.73 V	289	66.00	41.60
4	#5970.40	61.0 PK	68.2	-7.2	1.73 V	289	53.10	7.90
5	11510.00	61.8 PK	74.0	-12.2	1.28 V	198	41.60	20.20
6	11510.00	48.5 AV	54.0	-5.5	1.28 V	198	28.30	20.20

**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 159	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	#5617.60	59.7 PK	68.2	-8.5	2.14 H	270	52.80	6.90
2	*5795.00	113.9 PK			2.14 H	270	72.20	41.70
3	*5795.00	102.6 AV			2.14 H	270	60.90	41.70
4	#5996.00	60.2 PK	68.2	-8.0	2.14 H	270	52.30	7.90
5	11590.00	62.2 PK	74.0	-11.8	1.38 H	311	42.10	20.10
6	11590.00	48.7 AV	54.0	-5.3	1.38 H	311	28.60	20.10

**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	#5646.40	61.8 PK	68.2	-6.4	1.71 V	288	54.70	7.10
2	*5795.00	119.0 PK			1.71 V	288	77.30	41.70
3	*5795.00	107.3 AV			1.71 V	288	65.60	41.70
4	#5933.60	62.3 PK	68.2	-5.9	1.71 V	288	54.50	7.80
5	11590.00	62.0 PK	74.0	-12.0	1.24 V	224	41.90	20.10
6	11590.00	48.5 AV	54.0	-5.5	1.24 V	224	28.40	20.10

**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 42	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	67.6 PK	74.0	-6.4	1.84 H	273	61.50	6.10
2	5150.00	50.6 AV	54.0	-3.4	1.84 H	273	44.50	6.10
3	*5210.00	106.8 PK			1.92 H	265	66.50	40.30
4	*5210.00	95.8 AV			1.92 H	265	55.50	40.30
5	#10420.00	58.4 PK	74.0	-15.6	1.26 H	58	40.30	18.10
6	#10420.00	46.2 AV	54.0	-7.8	1.26 H	58	28.10	18.10

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	69.0 PK	74.0	-5.0	1.67 V	15	62.90	6.10
2	5150.00	53.1 AV	54.0	-0.9	1.67 V	15	47.00	6.10
3	*5210.00	107.1 PK			1.23 V	25	66.80	40.30
4	*5210.00	96.0 AV			1.23 V	25	55.70	40.30
5	#10420.00	59.7 PK	74.0	-14.3	1.48 V	75	41.60	18.10
6	#10420.00	47.9 AV	54.0	-6.1	1.48 V	75	29.80	18.10

**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 58	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	106.9 PK			1.86 H	264	66.50	40.40
2	*5290.00	96.3 AV			1.86 H	264	55.90	40.40
3	5350.00	66.4 PK	74.0	-7.6	1.78 H	256	59.90	6.50
4	5350.00	49.1 AV	54.0	-4.9	1.78 H	256	42.60	6.50
5	#10580.00	59.4 PK	74.0	-14.6	1.14 H	126	40.70	18.70
6	#10580.00	47.1 AV	54.0	-6.9	1.14 H	126	28.40	18.70

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	109.3 PK			1.95 V	270	68.90	40.40
2	*5290.00	98.2 AV			1.95 V	270	57.80	40.40
3	5350.00	69.7 PK	74.0	-4.3	1.90 V	272	63.20	6.50
4	5350.00	53.7 AV	54.0	-0.3	1.90 V	272	47.20	6.50
5	#10580.00	59.9 PK	74.0	-14.1	1.25 V	64	41.20	18.70
6	#10580.00	48.6 AV	54.0	-5.4	1.25 V	64	29.90	18.70

**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	63.1 PK	74.0	-10.9	2.10 H	263	56.40	6.70
2	5460.00	48.6 AV	54.0	-5.4	2.10 H	263	41.90	6.70
3	#5470.00	68.2 PK	74.0	-5.8	2.10 H	263	61.50	6.70
4	#5470.00	51.2 AV	54.0	-2.8	2.10 H	263	44.50	6.70
5	*5530.00	108.0 PK			1.97 H	253	67.10	40.90
6	*5530.00	97.2 AV			1.97 H	253	56.30	40.90
7	11060.00	59.9 PK	74.0	-14.1	1.55 H	224	40.30	19.60
8	11060.00	48.0 AV	54.0	-6.0	1.55 H	224	28.40	19.60

**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	1.16 V	19	62.60	6.70
2	5460.00	51.5 AV	54.0	-2.5	1.16 V	19	44.80	6.70
3	#5470.00	70.3 PK	74.0	-3.7	1.16 V	19	63.60	6.70
4	#5470.00	52.5 AV	54.0	-1.5	1.16 V	19	45.80	6.70
5	*5530.00	109.3 PK			1.73 V	283	68.40	40.90
6	*5530.00	98.2 AV			1.73 V	283	57.30	40.90
7	11060.00	61.1 PK	74.0	-12.9	1.15 V	206	41.50	19.60
8	11060.00	49.0 AV	54.0	-5.0	1.15 V	206	29.40	19.60

**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	61.8 PK	74.0	-12.2	2.18 H	276	55.10	6.70
2	5460.00	49.6 AV	54.0	-4.4	2.18 H	276	42.90	6.70
3	#5470.00	64.5 PK	74.0	-9.5	2.11 H	278	57.80	6.70
4	#5470.00	50.5 AV	54.0	-3.5	2.11 H	278	43.80	6.70
5	*5610.00	110.9 PK			1.98 H	268	69.80	41.10
6	*5610.00	100.3 AV			1.98 H	268	59.20	41.10
7	11220.00	60.4 PK	74.0	-13.6	1.52 H	64	40.50	19.90
8	11220.00	48.6 AV	54.0	-5.4	1.52 H	64	28.70	19.90

**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	63.4 PK	74.0	-10.6	1.85 V	293	56.70	6.70
2	5460.00	51.6 AV	54.0	-2.4	1.85 V	293	44.90	6.70
3	#5470.00	66.5 PK	74.0	-7.5	1.85 V	293	59.80	6.70
4	#5470.00	53.1 AV	54.0	-0.9	1.85 V	293	46.40	6.70
5	*5610.00	112.3 PK			1.00 V	22	71.20	41.10
6	*5610.00	101.4 AV			1.00 V	22	60.30	41.10
7	11220.00	61.4 PK	74.0	-12.6	1.47 V	87	41.50	19.90
8	11220.00	49.6 AV	54.0	-4.4	1.47 V	87	29.70	19.90

**REMARKS:**

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

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

**ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	59.3 PK	74.0	-14.7	2.28 H	264	52.60	6.70
2	#5470.00	47.3 AV	54.0	-6.7	2.28 H	264	40.60	6.70
3	*5690.00	109.8 PK			2.12 H	244	68.50	41.30
4	*5690.00	99.8 AV			2.12 H	244	58.50	41.30
5	#5850.00	63.4 PK	74.0	-10.6	2.29 H	265	55.70	7.70
6	#5850.00	49.6 AV	54.0	-4.4	2.29 H	265	41.90	7.70
7	11380.00	60.9 PK	74.0	-13.1	1.47 H	45	40.60	20.30
8	11380.00	49.3 AV	54.0	-4.7	1.47 H	45	29.00	20.30

**ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M**

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	61.9 PK	74.0	-12.1	1.73 V	19	55.20	6.70
2	#5470.00	49.2 AV	54.0	-4.8	1.73 V	19	42.50	6.70
3	*5690.00	113.2 PK			1.88 V	267	71.90	41.30
4	*5690.00	101.4 AV			1.88 V	267	60.10	41.30
5	#5850.00	67.7 PK	74.0	-6.3	1.97 V	274	60.00	7.70
6	#5850.00	53.1 AV	54.0	-0.9	1.97 V	274	45.40	7.70
7	11380.00	61.8 PK	74.0	-12.2	1.01 V	47	41.50	20.30
8	11380.00	50.0 AV	54.0	-4.0	1.01 V	47	29.70	20.30

**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 155	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	#5648.80	66.7 PK	68.2	-1.5	3.00 H	260	60.20	6.50
2	*5775.00	111.5 PK			3.00 H	260	70.50	41.00
3	*5775.00	99.0 AV			3.00 H	260	58.00	41.00
4	#5924.80	64.6 PK	68.3	-3.7	3.00 H	260	57.50	7.10
5	11550.00	60.5 PK	74.0	-13.5	1.38 H	54	40.20	20.30
6	11550.00	48.7 AV	54.0	-5.3	1.38 H	54	28.40	20.30

**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	#5648.80	67.4 PK	68.2	-0.8	1.01 V	74	60.90	6.50
2	*5775.00	113.0 PK			1.01 V	74	72.00	41.00
3	*5775.00	100.1 AV			1.01 V	74	59.10	41.00
4	#5928.00	64.2 PK	68.2	-4.0	1.01 V	74	57.10	7.10
5	11550.00	61.8 PK	74.0	-12.2	1.32 V	65	41.50	20.30
6	11550.00	50.2 AV	54.0	-3.8	1.32 V	65	29.90	20.30

**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.



Below 1GHz worst-case data:

802.11ac (VHT20)

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	F

**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	150.20	26.2 QP	43.5	-17.3	2.00 H	92	39.9	-13.7
2	375.29	30.2 QP	46.0	-15.8	1.00 H	280	41.7	-11.5
3	474.25	33.6 QP	46.0	-12.4	2.00 H	307	43.4	-9.8
4	575.15	33.9 QP	46.0	-12.1	1.24 H	293	41.9	-8.0
5	749.79	32.4 QP	46.0	-13.6	1.00 H	80	36.3	-3.9
6	875.91	30.9 QP	46.0	-15.1	1.50 H	292	33.1	-2.2

**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	124.98	30.3 QP	43.5	-13.2	1.00 V	329	46.1	-15.8
2	274.39	26.9 QP	46.0	-19.1	2.00 V	175	40.2	-13.3
3	575.15	31.2 QP	46.0	-14.8	2.00 V	266	39.2	-8.0
4	676.05	34.7 QP	46.0	-11.3	1.50 V	322	40.6	-5.9
5	875.91	32.4 QP	46.0	-13.6	1.00 V	197	34.6	-2.2
6	961.29	35.1 QP	54.0	-18.9	1.00 V	127	35.6	-0.5

**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

CHANNEL	TX Channel 40	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz	TEST MODE	G

**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	49.30	23.3 QP	40.0	-16.7	2.00 H	84	37.2	-13.9
2	173.49	26.2 QP	43.5	-17.3	1.24 H	276	40.5	-14.3
3	375.29	30.2 QP	46.0	-15.8	1.00 H	280	41.7	-11.5
4	575.15	33.9 QP	46.0	-12.1	1.24 H	293	41.9	-8.0
5	800.24	31.1 QP	46.0	-14.9	1.00 H	226	34.1	-3.0
6	976.82	33.4 QP	54.0	-20.6	1.24 H	303	33.9	-0.5

**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	150.20	26.2 QP	43.5	-17.3	2.00 V	92	39.9	-13.7
2	274.39	29.0 QP	46.0	-17.0	1.00 V	245	42.3	-13.3
3	375.29	30.2 QP	46.0	-15.8	1.00 V	280	41.7	-11.5
4	474.25	33.6 QP	46.0	-12.4	2.00 V	307	43.4	-9.8
5	625.60	36.7 QP	46.0	-9.3	1.24 V	149	43.3	-6.6
6	749.79	32.4 QP	46.0	-13.6	1.00 V	80	36.3	-3.9

**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

## 4.2 Conducted Emission Measurement

### 4.2.1 Limits of Conducted Emission Measurement

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

- Note:** 1. The lower limit shall apply at the transition frequencies.  
 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
Test Receiver ROHDE & SCHWARZ	ESCI	100613	Nov. 21, 2016	Nov. 20, 2017
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond1-01	Dec. 22, 2016	Dec. 21, 2017
LISN ROHDE & SCHWARZ (EUT)	ESH3-Z5	835239/001	Feb. 26, 2016	Feb. 25, 2017
			Mar. 10, 2017	Mar. 09, 2018
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100220	Jul. 28, 2016	Jul. 27, 2017
Software ADT	BV ADT_Cond_ V7.3.7.3	NA	NA	NA

- Note:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
 2. The test was performed in HwaYa Shielded Room 1.  
 3. The VCCI Site Registration No. is C-2040.

#### 4.2.3 Test Procedures

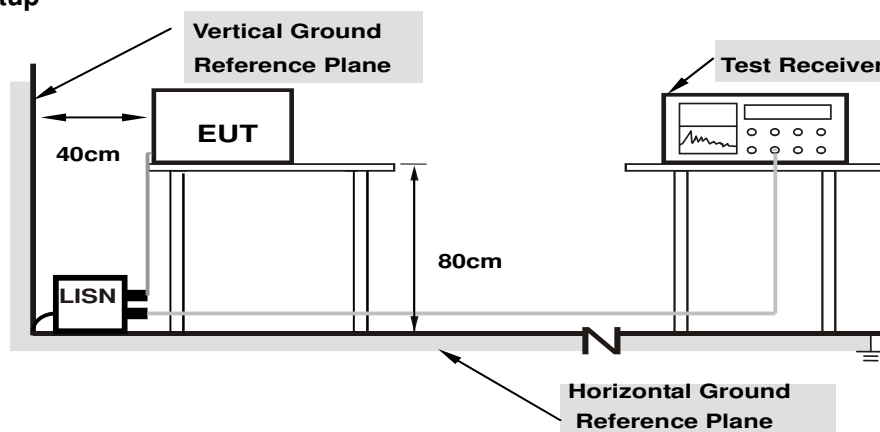
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance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

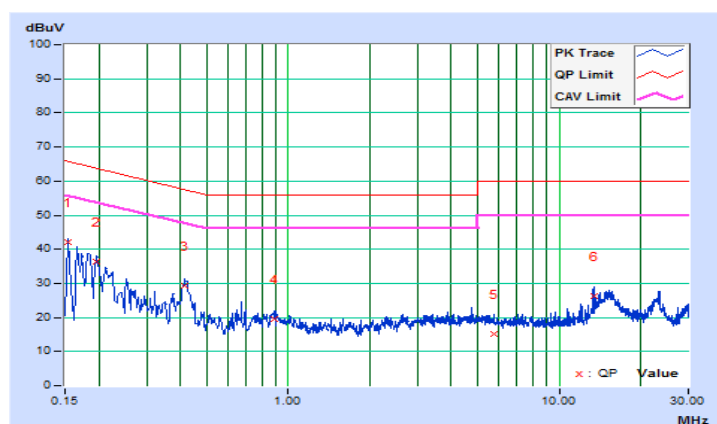
#### 4.2.7 Test Results

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

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	0.15391	10.41	31.57	13.47	41.98	23.88	65.79	55.79	-23.81	-31.91
2	0.19692	10.43	25.89	11.89	36.32	22.32	63.74	53.74	-27.42	-31.42
3	0.41588	10.51	18.74	12.00	29.25	22.51	57.53	47.53	-28.28	-25.02
4	0.89233	10.47	9.19	1.44	19.66	11.91	56.00	46.00	-36.34	-34.09
5	5.76867	10.73	4.45	-0.78	15.18	9.95	60.00	50.00	-44.82	-40.05
6	13.47919	11.08	15.09	11.70	26.17	22.78	60.00	50.00	-33.83	-27.22

#### REMARKS:

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

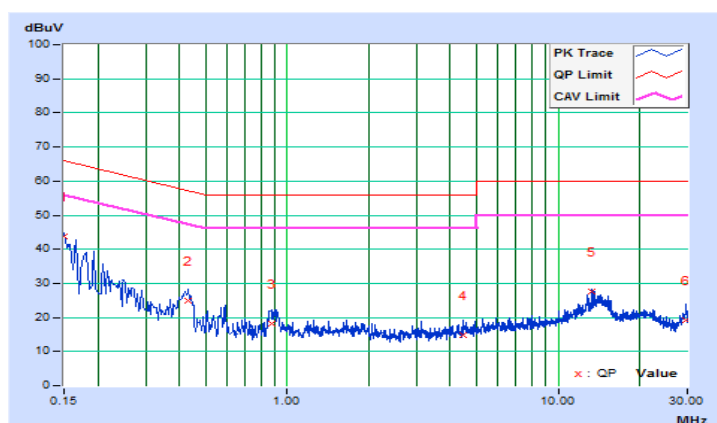


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	F		

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.
			<b>1</b>	<b>0.15000</b>	<b>10.15</b>	<b>33.70</b>	<b>18.81</b>	<b>43.85</b>	<b>28.96</b>	<b>66.00</b>
2	0.43122	10.23	14.52	8.88	24.75	19.11	57.23	47.23	-32.48	-28.12
3	0.87372	10.24	7.87	0.75	18.11	10.99	56.00	46.00	-37.89	-35.01
4	4.43927	10.44	4.53	-0.15	14.97	10.29	56.00	46.00	-41.03	-35.71
5	13.35806	10.77	16.77	13.00	27.54	23.77	60.00	50.00	-32.46	-26.23
6	29.56884	11.27	7.97	3.13	19.24	14.40	60.00	50.00	-40.76	-35.60

**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.

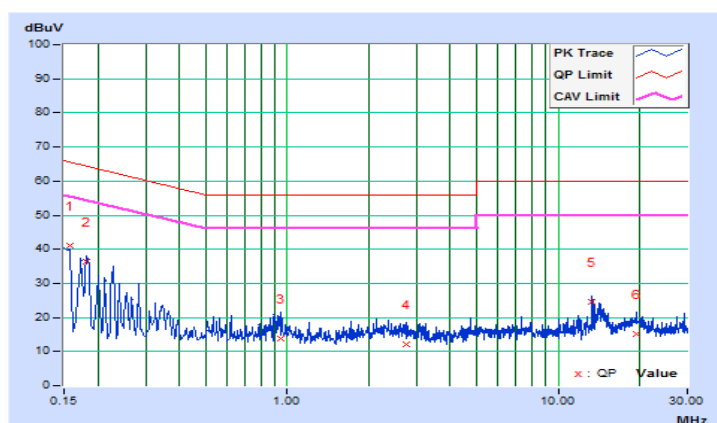


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	G		

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	0.15719	10.41	30.60	17.43	41.01	27.84	65.61
2	0.18128	10.42	25.96	12.09	36.38	22.51	64.43	54.43	-28.05	-31.92
3	0.95155	10.46	3.42	-2.16	13.88	8.30	56.00	46.00	-42.12	-37.70
4	2.76579	10.57	1.46	-3.28	12.03	7.29	56.00	46.00	-43.97	-38.71
5	13.35806	11.07	13.53	11.22	24.60	22.29	60.00	50.00	-35.40	-27.71
6	19.35983	11.39	3.65	-1.44	15.04	9.95	60.00	50.00	-44.96	-40.05

**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.

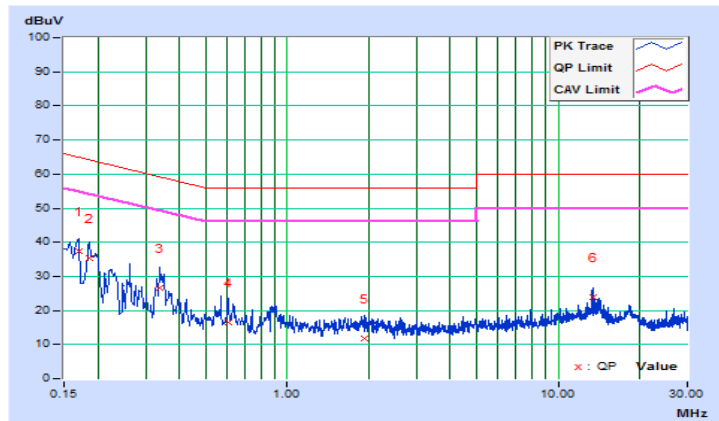


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	G		

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	0.16955	10.17	27.21	12.74	37.38	22.91	64.98
2	0.18508	10.19	25.29	11.77	35.48	21.96	64.25	54.25	-28.77	-32.29
3	0.33768	10.22	16.41	8.96	26.63	19.18	59.26	49.26	-32.63	-30.08
4	0.60356	10.23	6.31	-0.87	16.54	9.36	56.00	46.00	-39.46	-36.64
5	1.94078	10.31	1.54	-2.20	11.85	8.11	56.00	46.00	-44.15	-37.89
6	13.41663	10.78	12.98	10.27	23.76	21.05	60.00	50.00	-36.24	-28.95

**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 $\leq$ 125mW(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	250mW (24 dBm)
U-NII-2A		√	250mW (24 dBm) or 11 dBm+10 log B*
U-NII-2C		√	250mW (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  $\geq 40$  MHz for any  $N_{ANT}$ ;

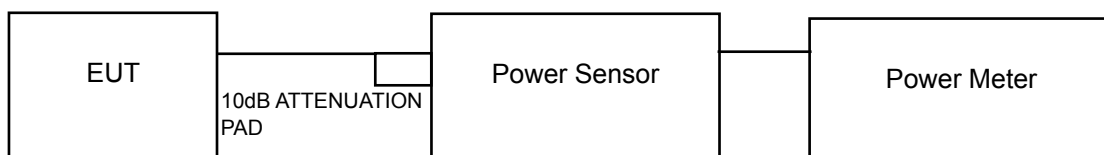
Array Gain =  $5 \log(N_{ANT}/N_{SS})$  dB or 3 dB, whichever is less for 20-MHz channel widths with  $N_{ANT} \geq 5$ .

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

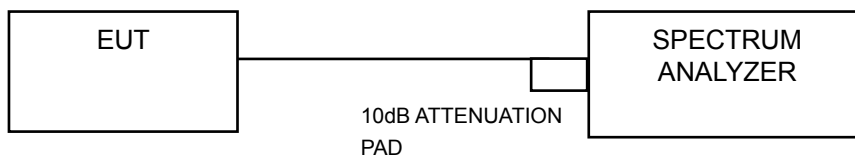
#### 4.3.2 Test Setup

For Power Output Measurement

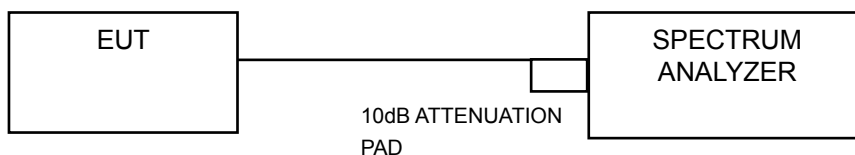
For 802.11a, 802.11ac (VHT20), 802.11ac (VHT40)



For 802.11ac (VHT80)



For 26dB and Occupied 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

##### For 802.11a, 802.11ac (VHT20), 802.11ac (VHT40)

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.

##### For 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.

#### 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%.

#### FOR OCCUPIED BANDWIDTH

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.

### 4.3.5 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:

CDD Mode

Mode F

#### 802.11ac (VHT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	18.74	19.07	18.72	18.51	300.972	24.79	30.00	Pass
40	5200	21.67	22.14	21.23	21.73	592.250	27.73	30.00	Pass
48	5240	22.32	21.72	21.33	21.62	<b>600.244</b>	27.78	30.00	Pass
52	5260	15.62	16.54	16.58	16.62	172.976	22.38	24.00	Pass
60	5300	15.81	16.32	16.51	16.20	167.420	22.24	24.00	Pass
64	5320	15.64	16.21	16.17	16.24	161.900	22.09	24.00	Pass
100	5500	16.98	16.18	16.05	16.49	176.221	22.46	24.00	Pass
116	5580	16.84	15.98	16.11	16.51	173.537	22.39	24.00	Pass
120	5600	16.28	16.01	16.21	16.45	168.304	22.26	24.00	Pass
124	5620	16.99	15.96	16.07	16.43	173.861	22.40	24.00	Pass
128	5640	16.95	15.89	15.98	16.36	171.239	22.34	24.00	Pass
140	5700	15.99	15.68	16.02	16.24	158.769	22.01	24.00	Pass
149	5745	21.36	20.84	21.22	21.37	527.634	27.22	30.00	Pass
157	5785	21.18	20.58	20.79	21.06	493.102	26.93	30.00	Pass
165	5825	21.26	20.09	20.43	21.14	476.179	26.78	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
144	5720 For U-NII-2C	15.10	14.85	14.53	15.18	129.29	21.12	23.35	Pass
144	5720 For U-NII-3	9.47	9.27	8.98	9.85	36.287	15.60	30.00	Pass

**NOTE:**

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

Chain 0

1.  $11\text{dBm} + 10\log(25.13) = 25.00\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(24.95) = 24.97\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(25.36) = 25.04\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(25.26) = 25.02\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(25.35) = 25.04\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(25.11) = 25.00\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(25.04) = 24.99\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(25.30) = 25.03\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(25.10) = 25.00\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.59) = 23.41\text{ dBm} < 24\text{dBm}$ .

Chain 1

1.  $11\text{dBm} + 10\log(24.89) = 24.96\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(25.06) = 24.99\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(25.27) = 25.03\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(25.38) = 25.04\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(25.61) = 25.08\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(23.89) = 24.78\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(24.13) = 24.83\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(23.98) = 24.80\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(25.35) = 25.04\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.82) = 23.35\text{ dBm} < 24\text{dBm}$ .

Chain 2

1.  $11\text{dBm} + 10\log(24.14) = 24.83\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(24.18) = 24.83\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(23.97) = 24.80\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(23.96) = 24.79\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(24.06) = 24.81\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(25.02) = 24.98\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(25.17) = 25.01\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(25.29) = 25.03\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(23.87) = 24.78\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.56) = 23.42\text{ dBm} < 24\text{dBm}$ .

Chain 3

1.  $11\text{dBm} + 10\log(24.04) = 24.81\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(24.01) = 24.80\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(24.09) = 24.82\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(24.11) = 24.82\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(23.93) = 24.79\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(23.83) = 24.77\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(24.04) = 24.81\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(24.03) = 24.81\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(24.03) = 24.81\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.76) = 23.37\text{ dBm} < 24\text{dBm}$ .

**802.11ac (VHT40)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.49	16.42	16.30	16.35	174.229	22.41	30.00	Pass
46	5230	20.86	21.43	20.84	20.82	503.014	27.02	30.00	Pass
54	5270	18.03	17.78	18.23	17.46	<b>245.758</b>	23.91	24.00	Pass
62	5310	15.31	15.42	15.27	14.98	133.925	21.27	24.00	Pass
102	5510	15.37	15.88	15.44	15.42	142.990	21.55	24.00	Pass
110	5550	17.21	18.01	17.51	17.81	232.602	23.67	24.00	Pass
118	5590	17.89	17.45	17.70	17.83	<b>236.666</b>	23.74	24.00	Pass
126	5630	18.09	17.77	17.11	17.83	236.336	23.74	24.00	Pass
134	5670	17.56	17.35	17.40	17.58	223.575	23.49	24.00	Pass
151	5755	21.74	21.30	21.39	21.78	<b>572.557</b>	27.58	30.00	Pass
159	5795	21.23	20.84	20.75	21.90	527.810	27.22	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
142	5710 For U-NII-2C	17.01	16.38	16.34	16.56	204.296	23.10	24.00	Pass
142	5710 For U-NII-3	6.84	6.30	6.21	6.81	20.283	13.07	30.00	Pass

**NOTE:**
**For U-NII-2A, U-NII-2C Band:**
**Chain 0**

1.  $11\text{dBm} + 10\log(44.09) = 27.44\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(44.38) = 27.47\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(44.32) = 27.47\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(44.12) = 27.45\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(44.25) = 27.46\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(44.00) = 27.43\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(44.26) = 27.46\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(5725.00 - 5687.72) = 26.71\text{ dBm} > 24\text{dBm}$ .

**Chain 1**

1.  $11\text{dBm} + 10\log(47.78) = 27.79\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(44.48) = 27.48\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(43.99) = 27.43\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(44.00) = 27.43\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(43.65) = 27.40\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(43.42) = 27.38\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(44.33) = 27.47\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(5725.00 - 5688.23) = 26.65\text{ dBm} > 24\text{dBm}$ .

Chain 2

1.  $11\text{dBm} + 10\log( 43.93 ) = 27.43 \text{ dBm} > 24\text{dBm}.$
2.  $11\text{dBm} + 10\log( 44.40 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
3.  $11\text{dBm} + 10\log( 44.09 ) = 27.44 \text{ dBm} > 24\text{dBm}.$
4.  $11\text{dBm} + 10\log( 43.81 ) = 27.42 \text{ dBm} > 24\text{dBm}.$
5.  $11\text{dBm} + 10\log( 44.37 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
6.  $11\text{dBm} + 10\log( 44.14 ) = 27.45 \text{ dBm} > 24\text{dBm}.$
7.  $11\text{dBm} + 10\log( 44.34 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
8.  $11\text{dBm} + 10\log(5725.00 - 5687.64 ) = 26.77 \text{ dBm} > 24\text{dBm}.$

Chain 3

1.  $11\text{dBm} + 10\log( 43.84 ) = 27.42 \text{ dBm} > 24\text{dBm}.$
2.  $11\text{dBm} + 10\log( 43.55 ) = 27.39 \text{ dBm} > 24\text{dBm}.$
3.  $11\text{dBm} + 10\log( 43.60 ) = 27.39 \text{ dBm} > 24\text{dBm}.$
4.  $11\text{dBm} + 10\log( 43.76 ) = 27.41 \text{ dBm} > 24\text{dBm}.$
5.  $11\text{dBm} + 10\log( 43.50 ) = 27.38 \text{ dBm} > 24\text{dBm}.$
6.  $11\text{dBm} + 10\log( 43.30 ) = 27.36 \text{ dBm} > 24\text{dBm}.$
7.  $11\text{dBm} + 10\log( 43.51 ) = 27.39 \text{ dBm} > 24\text{dBm}.$
8.  $11\text{dBm} + 10\log(5725.00 - 5688.28 ) = 26.65 \text{ dBm} > 24\text{dBm}.$

**802.11ac (VHT80)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	16.37	17.01	16.57	16.84	187.285	22.73	24.00	Pass
58	5290	16.33	16.58	16.45	16.03	172.697	22.37	24.00	Pass
106	5530	16.11	16.32	16.12	15.88	163.339	22.13	24.00	Pass
122	5610	17.98	18.02	17.94	17.48	244.399	23.88	24.00	Pass
155	5775	20.26	19.43	19.95	21.22	425.159	26.29	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
138	5690 For U-NII-2C	17.12	16.76	16.77	17.00	<b>244.527</b>	23.88	24.00	Pass
138	5690 For U-NII-3	4.09	3.20	3.29	3.06	10.956	10.40	30.00	Pass

**NOTE:**
**For U-NII-2A, U-NII-2C Band:**
**Chain 0**

1.  $11\text{dBm} + 10\log(83.76) = 30.23\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(84.70) = 30.28\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(91.54) = 30.62\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5633.46) = 30.62\text{ dBm} > 24\text{dBm}$ .

**Chain 1**

1.  $11\text{dBm} + 10\log(83.85) = 30.24\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(83.76) = 30.23\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(90.59) = 30.57\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5634.42) = 30.57\text{ dBm} > 24\text{dBm}$ .

**Chain 2**

1.  $11\text{dBm} + 10\log(83.86) = 30.24\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(83.31) = 30.21\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(90.09) = 30.55\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5634.91) = 30.55\text{ dBm} > 24\text{dBm}$ .

**Chain 3**

1.  $11\text{dBm} + 10\log(85.10) = 30.30\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(85.95) = 30.34\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(84.80) = 30.28\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5640.21) = 30.28\text{ dBm} > 24\text{dBm}$ .

Mode G

802.11ac (VHT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	18.41	19.27	18.43	18.80	299.392	24.76	30.00	Pass
40	5200	21.89	22.05	21.92	22.04	630.403	28.00	30.00	Pass
48	5240	22.78	22.92	21.95	21.11	<b>671.352</b>	28.27	30.00	Pass
52	5260	17.79	17.85	18.14	18.05	<b>250.060</b>	23.98	24.00	Pass
60	5300	17.84	18.05	17.55	17.67	240.004	23.80	24.00	Pass
64	5320	16.75	17.29	16.47	16.31	188.012	22.74	24.00	Pass
100	5500	17.20	17.30	16.29	17.02	199.094	22.99	24.00	Pass
116	5580	17.89	17.93	17.70	18.15	247.802	23.94	24.00	Pass
120	5600	18.03	18.05	17.77	17.90	<b>248.860</b>	23.96	24.00	Pass
124	5620	18.00	17.88	17.93	17.90	248.219	23.95	24.00	Pass
128	5640	17.92	17.80	17.74	17.95	244.002	23.87	24.00	Pass
140	5700	15.99	15.68	16.02	16.24	158.769	22.01	24.00	Pass
149	5745	22.05	20.81	21.20	21.28	546.931	27.38	30.00	Pass
157	5785	20.69	20.46	20.62	20.94	467.903	26.70	30.00	Pass
165	5825	20.39	20.35	20.32	21.49	466.365	26.69	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
144	5720 For U-NII-2C	14.19	15.45	15.31	14.29	128.697	21.10	23.32	Pass
144	5720 For U-NII-3	8.61	9.88	8.96	8.57	33.774	15.29	30.00	Pass



**NOTE:**

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

Chain 0

1.  $11\text{dBm} + 10\log(26.56) = 25.24\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(28.94) = 25.61\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(33.08) = 26.20\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(32.81) = 26.16\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(33.11) = 26.20\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(29.38) = 25.68\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(29.13) = 25.64\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(32.52) = 26.12\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(24.51) = 24.89\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5702.10) = 24.60\text{ dBm} > 24\text{dBm}$ .

Chain 1

1.  $11\text{dBm} + 10\log(24.39) = 24.87\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(24.28) = 24.85\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(24.39) = 24.87\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(24.33) = 24.86\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(24.23) = 24.84\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(24.31) = 24.86\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(24.26) = 24.85\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(24.31) = 24.86\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(23.86) = 24.78\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.94) = 23.32\text{ dBm} < 24\text{dBm}$ .

Chain 2

1.  $11\text{dBm} + 10\log(24.55) = 24.90\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(24.44) = 24.88\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(24.42) = 24.88\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(24.64) = 24.92\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(24.48) = 24.89\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(24.30) = 24.86\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(24.46) = 24.88\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(24.51) = 24.89\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(24.48) = 24.89\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.61) = 24.69\text{ dBm} > 24\text{dBm}$ .

Chain 3

1.  $11\text{dBm} + 10\log(29.29) = 25.67\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(30.66) = 25.87\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(30.51) = 25.84\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(29.26) = 25.66\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(29.46) = 25.69\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(29.57) = 25.71\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(29.09) = 25.64\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(27.41) = 25.38\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(24.63) = 24.91\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5706.50) = 23.67\text{ dBm} < 24\text{dBm}$ .

**802.11ac (VHT40)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.08	16.74	16.23	16.10	170.471	22.32	30.00	Pass
46	5230	20.69	21.33	20.45	20.41	473.869	26.76	30.00	Pass
54	5270	18.17	18.25	17.66	17.64	248.870	23.96	24.00	Pass
62	5310	15.11	15.09	14.98	14.80	126.396	21.02	24.00	Pass
102	5510	15.33	16.03	15.58	15.89	149.162	21.74	24.00	Pass
110	5550	18.20	18.02	17.59	17.92	248.812	23.96	24.00	Pass
118	5590	17.87	17.91	17.63	17.81	241.375	23.83	24.00	Pass
126	5630	18.02	17.72	17.69	17.78	241.271	23.83	24.00	Pass
134	5670	17.34	17.29	17.09	17.28	212.404	23.27	24.00	Pass
151	5755	21.62	21.14	21.40	21.78	<b>563.927</b>	27.51	30.00	Pass
159	5795	21.23	20.84	20.75	21.33	508.759	27.07	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
142	5710 For U-NII-2C	15.15	14.33	14.33	14.87	135.672	21.32	24.00	Pass
142	5710 For U-NII-3	5.02	4.28	4.12	4.50	12.983	11.13	30.00	Pass

**NOTE:**
**For U-NII-2A, U-NII-2C Band:**
**Chain 0**

1.  $11\text{dBm} + 10\log(74.39) = 29.72\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(44.01) = 27.44\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(44.93) = 27.53\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(70.57) = 29.49\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(57.26) = 28.58\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(57.48) = 28.60\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(72.70) = 29.62\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(5725.00 - 5670.79) = 28.34\text{ dBm} > 24\text{dBm}$ .

**Chain 1**

1.  $11\text{dBm} + 10\log(50.26) = 28.01\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(43.58) = 27.39\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(43.33) = 27.37\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(44.12) = 27.45\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(44.29) = 27.46\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(43.72) = 27.41\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(43.66) = 27.40\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(5725.00 - 5688.33) = 26.64\text{ dBm} > 24\text{dBm}$ .

Chain 2

1.  $11\text{dBm} + 10\log( 58.62 ) = 28.68 \text{ dBm} > 24\text{dBm}.$
2.  $11\text{dBm} + 10\log( 44.26 ) = 27.46 \text{ dBm} > 24\text{dBm}.$
3.  $11\text{dBm} + 10\log( 44.31 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
4.  $11\text{dBm} + 10\log( 49.68 ) = 27.96 \text{ dBm} > 24\text{dBm}.$
5.  $11\text{dBm} + 10\log( 46.50 ) = 27.67 \text{ dBm} > 24\text{dBm}.$
6.  $11\text{dBm} + 10\log( 44.34 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
7.  $11\text{dBm} + 10\log( 44.27 ) = 27.46 \text{ dBm} > 24\text{dBm}.$
8.  $11\text{dBm} + 10\log(5725.00 - 5682.72 ) = 27.26 \text{ dBm} > 24\text{dBm}.$

Chain 3

1.  $11\text{dBm} + 10\log( 72.04 ) = 29.58 \text{ dBm} > 24\text{dBm}.$
2.  $11\text{dBm} + 10\log( 44.60 ) = 27.49 \text{ dBm} > 24\text{dBm}.$
3.  $11\text{dBm} + 10\log( 44.41 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
4.  $11\text{dBm} + 10\log( 71.09 ) = 29.52 \text{ dBm} > 24\text{dBm}.$
5.  $11\text{dBm} + 10\log( 46.36 ) = 27.66 \text{ dBm} > 24\text{dBm}.$
6.  $11\text{dBm} + 10\log( 44.40 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
7.  $11\text{dBm} + 10\log( 70.54 ) = 29.48 \text{ dBm} > 24\text{dBm}.$
8.  $11\text{dBm} + 10\log(5725.00 - 5672.82 ) = 28.18 \text{ dBm} > 24\text{dBm}.$

**802.11ac (VHT80)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	16.21	16.97	16.35	16.88	183.462	22.64	24.00	Pass
58	5290	16.10	16.22	16.08	15.72	160.493	22.05	24.00	Pass
106	5530	15.89	15.88	15.72	16.13	155.886	21.93	24.00	Pass
122	5610	18.01	18.05	17.95	17.45	245.03	23.89	24.00	Pass
155	5775	18.35	18.69	19.00	19.73	315.757	24.99	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
138	5690 For U-NII-2C	14.77	12.22	12.11	14.18	105.821	20.25	24.00	Pass
138	5690 For U-NII-3	1.11	0.85	-3.29	0.63	4.908	6.91	30.00	Pass

**NOTE:**
**For U-NII-2A, U-NII-2C Band:**
**Chain 0**

1.  $11\text{dBm} + 10\log(84.67) = 30.28\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(85.36) = 30.31\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(84.25) = 30.26\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5623.34) = 31.07\text{ dBm} > 24\text{dBm}$ .

**Chain 1**

1.  $11\text{dBm} + 10\log(83.46) = 30.21\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(83.81) = 30.23\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(83.17) = 30.20\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5646.60) = 29.94\text{ dBm} > 24\text{dBm}$ .

**Chain 2**

1.  $11\text{dBm} + 10\log(83.98) = 30.24\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(83.80) = 30.23\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(83.51) = 30.22\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5646.97) = 29.92\text{ dBm} > 24\text{dBm}$ .

**Chain 3**

1.  $11\text{dBm} + 10\log(84.50) = 30.27\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(84.84) = 30.29\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(83.33) = 30.21\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5634.57) = 30.56\text{ dBm} > 24\text{dBm}$ .

## Beamforming Mode

Mode F

### 802.11ac (VHT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	15.89	16.11	15.80	15.62	154.141	21.88	30.00	Pass
40	5200	21.20	21.68	20.88	21.15	531.836	27.26	30.00	Pass
48	5240	22.29	21.68	21.31	21.59	<b>596.084</b>	27.75	30.00	Pass
52	5260	15.60	16.49	16.55	16.60	171.769	22.35	24.00	Pass
60	5300	15.89	16.29	16.45	16.15	166.742	22.22	24.00	Pass
64	5320	15.60	16.15	16.11	16.20	160.037	22.04	24.00	Pass
100	5500	16.92	16.15	16.01	16.44	174.371	22.41	24.00	Pass
116	5580	16.80	15.91	16.04	16.44	171.091	22.33	24.00	Pass
120	5600	16.21	16.00	16.14	16.40	166.361	22.21	24.00	Pass
124	5620	16.92	15.91	16.02	16.38	171.643	22.35	24.00	Pass
128	5640	16.92	15.84	15.97	16.32	169.967	22.30	24.00	Pass
140	5700	16.15	16.11	16.14	15.50	158.638	22.00	24.00	Pass
149	5745	21.40	20.88	21.14	21.35	526.975	27.22	30.00	Pass
157	5785	21.16	20.68	20.58	21.15	492.172	26.92	30.00	Pass
165	5825	21.29	20.15	20.50	21.27	484.27	26.85	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
144	5720 For U-NII-2C	15.10	14.85	14.53	15.18	129.29	21.12	23.35	Pass
144	5720 For U-NII-3	9.47	9.27	8.98	9.85	36.287	15.60	30.00	Pass

**NOTE:**

U-NII-1 band: Directional gain = 4.5dBi < 6dBi, so the power limit no need to reduced.

U-NII-2A band: Directional gain = 4.1dBi < 6dBi, so the power limit no need to reduced.

U-NII-2C band: Directional gain = 5.2dBi < 6dBi, so the power limit no need to reduced.

U-NII-3 band: Directional gain = 5.8dBi < 6dBi, so the power limit no need to reduced.

**NOTE:**

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

Chain 0

1.  $11\text{dBm} + 10\log(25.13) = 25.00\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(24.95) = 24.97\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(25.36) = 25.04\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(25.26) = 25.02\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(25.35) = 25.04\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(25.11) = 25.00\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(25.04) = 24.99\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(25.30) = 25.03\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(25.10) = 25.00\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.59) = 23.41\text{ dBm} < 24\text{dBm}$ .

Chain 1

1.  $11\text{dBm} + 10\log(24.89) = 24.96\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(25.06) = 24.99\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(25.27) = 25.03\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(25.38) = 25.04\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(25.61) = 25.08\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(23.89) = 24.78\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(24.13) = 24.83\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(23.98) = 24.80\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(25.35) = 25.04\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.82) = 23.35\text{ dBm} < 24\text{dBm}$ .

Chain 2

1.  $11\text{dBm} + 10\log(24.14) = 24.83\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(24.18) = 24.83\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(23.97) = 24.80\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(23.96) = 24.79\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(24.06) = 24.81\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(25.02) = 24.98\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(25.17) = 25.01\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(25.29) = 25.03\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(23.87) = 24.78\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.56) = 23.42\text{ dBm} < 24\text{dBm}$ .

Chain 3

1.  $11\text{dBm} + 10\log(24.04) = 24.81\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(24.01) = 24.80\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(24.09) = 24.82\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(24.11) = 24.82\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(23.93) = 24.79\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(23.83) = 24.77\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(24.04) = 24.81\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(24.03) = 24.81\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(24.03) = 24.81\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.76) = 23.37\text{ dBm} < 24\text{dBm}$ .

**802.11ac (VHT40)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.35	16.40	16.32	16.41	173.411	22.39	30.00	Pass
46	5230	20.83	21.37	20.80	20.58	492.662	26.93	30.00	Pass
54	5270	18.03	17.78	18.23	17.46	<b>245.758</b>	23.91	24.00	Pass
62	5310	16.35	16.44	16.35	16.02	170.353	22.31	24.00	Pass
102	5510	15.35	15.74	15.50	15.55	143.147	21.56	24.00	Pass
110	5550	18.17	18.11	17.56	17.74	246.774	23.92	24.00	Pass
118	5590	17.78	17.91	17.69	17.88	241.906	23.84	24.00	Pass
126	5630	18.02	17.78	17.81	17.76	243.465	23.86	24.00	Pass
134	5670	17.78	17.91	17.69	17.88	241.906	23.84	24.00	Pass
151	5755	21.78	21.25	21.33	21.69	<b>567.415</b>	27.54	30.00	Pass
159	5795	21.15	20.98	20.78	21.78	525.966	27.21	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
142	5710 For U-NII-2C	17.01	16.38	16.34	16.56	204.296	23.10	24.00	Pass
142	5710 For U-NII-3	6.84	6.30	6.21	6.81	20.283	13.07	30.00	Pass

**NOTE:**

U-NII-1 band: Directional gain = 4.5dBi < 6dBi, so the power limit no need to reduced.

U-NII-2A band: Directional gain = 4.1dBi < 6dBi, so the power limit no need to reduced.

U-NII-2C band: Directional gain = 5.2dBi < 6dBi, so the power limit no need to reduced.

U-NII-3 band: Directional gain = 5.8dBi < 6dBi, so the power limit no need to reduced.

**For U-NII-2A, U-NII-2C Band:**
**Chain 0**

1.  $11\text{dBm} + 10\log(44.09) = 27.44\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(44.03) = 27.44\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(44.32) = 27.47\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(44.12) = 27.45\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(44.25) = 27.46\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(44.00) = 27.43\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(44.26) = 27.46\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(5725.00 - 5667.72) = 26.71\text{ dBm} > 24\text{dBm}$ .

**Chain 1**

1.  $11\text{dBm} + 10\log(47.78) = 27.79\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(44.57) = 27.49\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(43.99) = 27.43\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(44.00) = 27.43\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(43.65) = 27.40\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(43.42) = 27.38\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(44.33) = 27.47\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(5725.00 - 5688.23) = 26.65\text{ dBm} > 24\text{dBm}$ .

Chain 2

1.  $11\text{dBm} + 10\log(43.93) = 27.43\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(44.08) = 27.44\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(44.09) = 27.44\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(43.81) = 27.42\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(44.37) = 27.47\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(44.14) = 27.45\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(44.34) = 27.47\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(5725.00 - 5687.64) = 26.72\text{ dBm} > 24\text{dBm}$ .

Chain 3

1.  $11\text{dBm} + 10\log(43.84) = 27.42\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(43.62) = 27.40\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(43.60) = 27.39\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(43.76) = 27.41\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(43.50) = 27.38\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(43.30) = 27.36\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(43.51) = 27.39\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(5725.00 - 5688.28) = 26.65\text{ dBm} > 24\text{dBm}$ .



### 802.11ac (VHT80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	16.25	17.12	16.60	16.74	186.608	22.71	24.00	Pass
58	5290	15.45	15.60	15.42	15.01	137.913	21.40	24.00	Pass
106	5530	16.13	16.40	16.08	16.72	172.212	22.36	24.00	Pass
122	5610	17.99	18.04	17.94	17.91	<b>250.663</b>	23.99	24.00	Pass
155	5775	21.25	20.34	20.89	22.02	523.460	27.19	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
138	5690 For U-NII-2C	17.42	16.86	16.37	17.00	245.282	23.90	24.00	Pass
138	5690 For U-NII-3	4.09	3.20	3.29	3.06	10.956	10.40	30.00	Pass

#### NOTE:

U-NII-1 band: Directional gain = 4.5dBi < 6dBi, so the power limit no need to reduced.

U-NII-2A band: Directional gain = 4.1dBi < 6dBi, so the power limit no need to reduced.

U-NII-2C band: Directional gain = 5.2dBi < 6dBi, so the power limit no need to reduced.

U-NII-3 band: Directional gain = 5.8dBi < 6dBi, so the power limit no need to reduced.

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

##### Chain 0

- $11\text{dBm} + 10\log(83.24) = 30.20\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(83.15) = 30.20\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(84.70) = 30.28\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(5725.00 - 5633.46) = 30.62\text{ dBm} > 24\text{dBm}$ .

##### Chain 1

- $11\text{dBm} + 10\log(82.90) = 30.19\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(82.23) = 30.15\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(83.76) = 30.23\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(5725.00 - 5634.42) = 30.57\text{ dBm} > 24\text{dBm}$ .

##### Chain 2

- $11\text{dBm} + 10\log(83.52) = 30.22\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(83.55) = 30.22\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(83.31) = 30.21\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(5725.00 - 5634.91) = 30.55\text{ dBm} > 24\text{dBm}$ .

##### Chain 3

- $11\text{dBm} + 10\log(84.73) = 30.28\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(81.99) = 30.14\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(85.95) = 30.34\text{ dBm} > 24\text{dBm}$ .
- $11\text{dBm} + 10\log(5725.00 - 5640.21) = 30.28\text{ dBm} > 24\text{dBm}$ .

Mode G  
**802.11ac (VHT20)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	15.45	16.33	15.28	15.74	149.255	21.74	30.00	Pass
40	5200	21.02	21.17	21.24	21.18	521.657	27.17	30.00	Pass
48	5240	22.80	22.95	21.77	21.23	<b>670.841</b>	28.27	30.00	Pass
52	5260	17.81	17.79	18.05	18.12	249.201	23.97	24.00	Pass
60	5300	17.89	18.13	17.60	17.58	241.355	23.83	24.00	Pass
64	5320	16.78	17.34	16.58	16.19	188.933	22.76	24.00	Pass
100	5500	17.34	17.26	16.45	17.01	201.802	23.05	24.00	Pass
116	5580	17.96	17.85	17.63	18.08	245.683	23.90	24.00	Pass
120	5600	18.00	18.01	17.82	17.94	249.101	23.96	24.00	Pass
124	5620	17.99	17.91	17.87	17.77	245.829	23.91	24.00	Pass
128	5640	17.81	17.92	17.85	18.05	247.119	23.93	24.00	Pass
140	5700	17.11	16.80	17.13	17.40	205.863	23.14	24.00	Pass
149	5745	22.10	20.78	21.15	21.20	543.998	27.36	30.00	Pass
157	5785	20.73	20.50	20.58	21.00	470.687	26.73	30.00	Pass
165	5825	20.44	20.33	20.30	21.57	469.258	26.71	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
144	5720 For U-NII-2C	14.19	15.45	15.31	14.29	126.694	21.03	23.32	Pass
144	5720 For U-NII-3	8.61	9.88	8.96	8.57	33.249	15.22	30.00	Pass

**NOTE:**

U-NII-1 band: Directional gain = 2.7dBi < 6dBi, so the power limit no need to reduced.  
 U-NII-2A band: Directional gain = 2.3dBi < 6dBi, so the power limit no need to reduced.  
 U-NII-2C band: Directional gain = 3.4dBi < 6dBi, so the power limit no need to reduced.  
 U-NII-3 band: Directional gain = 4dBi < 6dBi, so the power limit no need to reduced.

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

Chain 0

1.  $11\text{dBm} + 10\log(26.56) = 25.24\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(28.94) = 25.61\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(33.08) = 26.20\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(32.81) = 26.16\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(33.11) = 26.20\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(29.38) = 25.68\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(29.13) = 25.64\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(32.52) = 26.12\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(25.29) = 25.03\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5702.10) = 24.60\text{ dBm} > 24\text{dBm}$ .

Chain 1

1.  $11\text{dBm} + 10\log(24.39) = 24.87\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(24.28) = 24.85\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(24.39) = 24.87\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(24.33) = 24.86\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(24.23) = 24.84\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(24.31) = 24.86\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(24.26) = 24.85\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(24.31) = 24.86\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(24.32) = 24.86\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.94) = 23.32\text{ dBm} < 24\text{dBm}$ .

Chain 2

1.  $11\text{dBm} + 10\log(24.55) = 24.90\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(24.44) = 24.88\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(24.42) = 24.88\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(24.64) = 24.92\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(24.48) = 24.89\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(24.30) = 24.86\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(24.46) = 24.88\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(24.51) = 24.89\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(24.67) = 24.92\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5707.61) = 23.50\text{ dBm} < 24\text{dBm}$ .

Chain 3

1.  $11\text{dBm} + 10\log(29.29) = 25.67\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(30.66) = 25.87\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(30.51) = 25.84\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(29.26) = 25.66\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(29.46) = 25.69\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(29.57) = 25.71\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(29.09) = 25.64\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(27.41) = 25.38\text{ dBm} > 24\text{dBm}$ .
9.  $11\text{dBm} + 10\log(25.20) = 25.01\text{ dBm} > 24\text{dBm}$ .
10.  $11\text{dBm} + 10\log(5725.00 - 5706.50) = 23.67\text{ dBm} < 24\text{dBm}$ .

**802.11ac (VHT40)**

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.23	16.56	16.12	16.01	168.094	22.26	30.00	Pass
46	5230	20.63	21.05	20.39	20.38	461.501	26.64	30.00	Pass
54	5270	18.19	18.22	17.80	17.61	<b>250.224</b>	23.98	24.00	Pass
62	5310	16.21	15.99	16.03	15.98	161.217	22.07	24.00	Pass
102	5510	15.40	15.98	16.01	15.74	151.701	21.81	24.00	Pass
110	5550	18.13	18.09	17.65	17.84	248.454	23.95	24.00	Pass
118	5590	17.85	17.79	17.52	17.88	238.941	23.78	24.00	Pass
126	5630	17.96	17.79	17.70	17.82	242.052	23.84	24.00	Pass
134	5670	17.41	17.33	17.10	17.32	214.393	23.31	24.00	Pass
151	5755	21.55	21.20	21.28	21.81	<b>560.696</b>	27.49	30.00	Pass
159	5795	21.25	20.89	20.79	21.15	506.363	27.04	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
142	5710 For U-NII-2C	15.15	14.33	14.33	14.87	135.672	21.32	24.00	Pass
142	5710 For U-NII-3	5.02	4.28	4.12	4.50	12.983	11.13	30.00	Pass

**NOTE:**

U-NII-1 band: Directional gain = 2.7dBi < 6dBi, so the power limit no need to reduced.

U-NII-2A band: Directional gain = 2.3dBi < 6dBi, so the power limit no need to reduced.

U-NII-2C band: Directional gain = 3.4dBi < 6dBi, so the power limit no need to reduced.

U-NII-3 band: Directional gain = 4dBi < 6dBi, so the power limit no need to reduced.

**For U-NII-2A, U-NII-2C Band:**
**Chain 0**

1.  $11\text{dBm} + 10\log(74.39) = 29.72\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(44.79) = 27.51\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(44.93) = 27.53\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(57.26) = 28.58\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(57.26) = 28.58\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(57.48) = 28.60\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(72.70) = 29.62\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(5725.00 - 5670.79) = 28.34\text{ dBm} > 24\text{dBm}$ .

**Chain 1**

1.  $11\text{dBm} + 10\log(50.26) = 28.01\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(43.72) = 27.41\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(43.33) = 27.37\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(44.29) = 27.46\text{ dBm} > 24\text{dBm}$ .
5.  $11\text{dBm} + 10\log(44.29) = 27.46\text{ dBm} > 24\text{dBm}$ .
6.  $11\text{dBm} + 10\log(43.72) = 27.41\text{ dBm} > 24\text{dBm}$ .
7.  $11\text{dBm} + 10\log(43.66) = 27.40\text{ dBm} > 24\text{dBm}$ .
8.  $11\text{dBm} + 10\log(5725.00 - 5688.33) = 26.64\text{ dBm} > 24\text{dBm}$ .

Chain 2

1.  $11\text{dBm} + 10\log( 58.62 ) = 28.68 \text{ dBm} > 24\text{dBm}.$
2.  $11\text{dBm} + 10\log( 44.29 ) = 27.46 \text{ dBm} > 24\text{dBm}.$
3.  $11\text{dBm} + 10\log( 44.31 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
4.  $11\text{dBm} + 10\log( 46.50 ) = 27.67 \text{ dBm} > 24\text{dBm}.$
5.  $11\text{dBm} + 10\log( 46.50 ) = 27.67 \text{ dBm} > 24\text{dBm}.$
6.  $11\text{dBm} + 10\log( 44.34 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
7.  $11\text{dBm} + 10\log( 44.27 ) = 27.46 \text{ dBm} > 24\text{dBm}.$
8.  $11\text{dBm} + 10\log(5725.00 - 5682.72 ) = 27.26 \text{ dBm} > 24\text{dBm}.$

Chain 3

1.  $11\text{dBm} + 10\log( 72.04 ) = 29.58 \text{ dBm} > 24\text{dBm}.$
2.  $11\text{dBm} + 10\log( 44.38 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
3.  $11\text{dBm} + 10\log( 44.41 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
4.  $11\text{dBm} + 10\log( 46.36 ) = 27.66 \text{ dBm} > 24\text{dBm}.$
5.  $11\text{dBm} + 10\log( 46.36 ) = 27.66 \text{ dBm} > 24\text{dBm}.$
6.  $11\text{dBm} + 10\log( 44.40 ) = 27.47 \text{ dBm} > 24\text{dBm}.$
7.  $11\text{dBm} + 10\log( 70.54 ) = 29.48 \text{ dBm} > 24\text{dBm}.$
8.  $11\text{dBm} + 10\log(5725.00 - 5672.82 ) = 28.18 \text{ dBm} > 24\text{dBm}.$

### 802.11ac (VHT80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	16.23	16.89	16.39	16.72	181.551	222.59	24.00	Pass
58	5290	15.18	15.24	15.88	14.99	136.657	21.36	24.00	Pass
106	5530	14.97	14.79	14.69	15.11	123.413	20.91	24.00	Pass
122	5610	18.04	18.14	17.47	18.09	<b>249.107</b>	23.96	24.00	Pass
155	5775	19.41	19.70	20.09	20.58	397.004	25.99	30.00	Pass

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)				Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
138	5690 For U-NII-2C	14.77	12.22	12.11	14.18	105.821	20.25	24.00	Pass
138	5690 For U-NII-3	1.11	0.85	-3.29	0.63	4.9077	6.91	30.00	Pass

#### NOTE:

U-NII-1 band: Directional gain = 2.7dBi < 6dBi, so the power limit no need to reduced.

U-NII-2A band: Directional gain = 2.3dBi < 6dBi, so the power limit no need to reduced.

U-NII-2C band: Directional gain = 3.4dBi < 6dBi, so the power limit no need to reduced.

U-NII-3 band: Directional gain = 4dBi < 6dBi, so the power limit no need to reduced.

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

##### Chain 0

1.  $11\text{dBm} + 10\log(83.87) = 30.24\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(95.38) = 30.79\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(103.00) = 31.13\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5623.34) = 31.07\text{ dBm} > 24\text{dBm}$ .

##### Chain 1

1.  $11\text{dBm} + 10\log(83.52) = 30.22\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(83.22) = 30.20\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(118.50) = 31.74\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5646.60) = 29.97\text{ dBm} > 24\text{dBm}$ .

##### Chain 2

1.  $11\text{dBm} + 10\log(83.53) = 30.22\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(83.48) = 30.22\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(96.94) = 30.87\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5646.97) = 29.92\text{ dBm} > 24\text{dBm}$ .

##### Chain 3

1.  $11\text{dBm} + 10\log(83.58) = 30.22\text{ dBm} > 24\text{dBm}$ .
2.  $11\text{dBm} + 10\log(83.46) = 30.21\text{ dBm} > 24\text{dBm}$ .
3.  $11\text{dBm} + 10\log(96.32) = 30.84\text{ dBm} > 24\text{dBm}$ .
4.  $11\text{dBm} + 10\log(5725.00 - 5634.57) = 30.56\text{ dBm} > 24\text{dBm}$ .

**26dB BANDWIDTH:**

CDD Mode

Mode F

**802.11ac (VHT20)**

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	24.85	26.88	28.00	28.24
40	5200	45.90	47.11	45.59	42.53
48	5240	44.06	46.50	46.23	46.53
52	5260	25.13	24.89	24.14	24.04
60	5300	24.95	25.06	24.18	24.01
64	5320	25.36	25.27	23.97	24.09
100	5500	25.26	25.38	23.96	24.11
116	5580	25.35	25.61	24.06	23.93
120	5600	25.11	23.89	25.02	23.83
124	5620	25.04	24.13	25.17	24.04
128	5640	25.30	23.98	25.29	24.03
140	5700	25.10	25.35	23.87	24.03
144	5720 For U-NII-2C	17.41	17.19	17.45	17.25

**802.11ac (VHT40)**

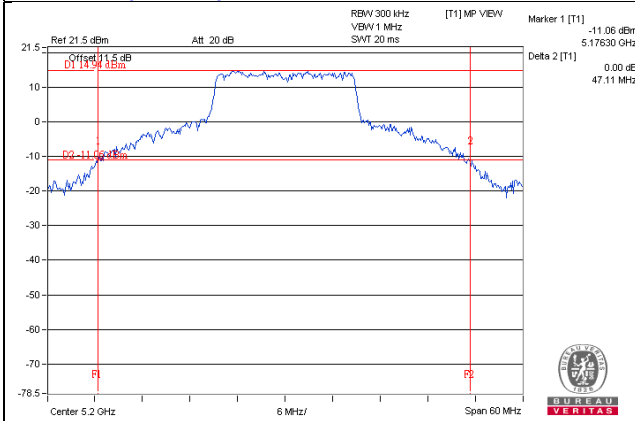
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	43.85	44.04	43.89	43.51
46	5230	89.38	91.87	88.21	73.79
54	5270	44.09	47.78	43.93	43.84
62	5310	44.38	44.48	44.40	43.55
102	5510	44.32	43.99	44.09	43.60
110	5550	44.12	44.00	43.81	43.76
118	5590	44.25	43.65	44.37	43.50
126	5630	44.00	43.42	44.14	43.30
134	5670	44.26	44.33	44.34	43.51
142	5710 For U-NII-2C	37.28	36.77	37.36	36.73

802.11ac (VHT80)

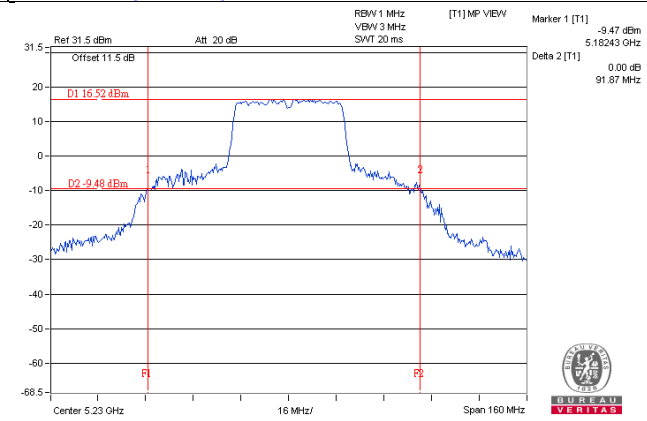
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	85.46	85.40	85.52	91.38
58	5290	84.78	84.83	84.33	86.71
106	5530	83.76	83.85	83.86	85.10
122	5610	115.44	109.46	119.72	111.75
138	5690 For U-NII-2C	91.54	90.59	90.09	84.80

Spectrum Plot of Worst Value

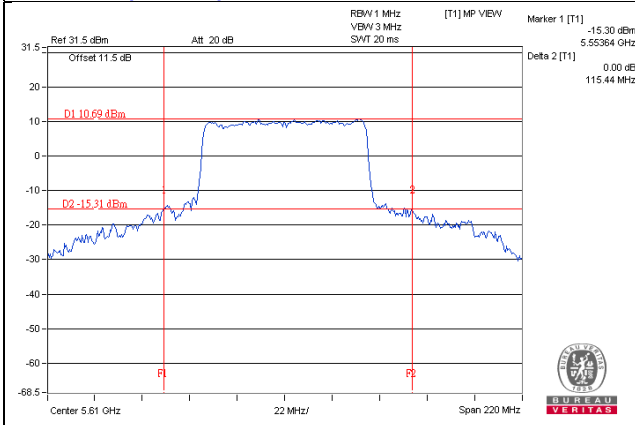
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)





**Mode G**
**802.11ac (VHT20)**

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	32.69	24.50	26.51	29.61
40	5200	45.34	37.85	40.48	44.78
48	5240	45.14	44.00	41.73	47.81
52	5260	26.56	24.39	24.55	29.29
60	5300	28.94	24.28	24.44	30.66
64	5320	33.08	24.39	24.42	30.51
100	5500	32.81	24.33	24.64	29.26
116	5580	33.11	24.23	24.48	29.46
120	5600	29.38	24.31	24.30	29.57
124	5620	29.13	24.26	24.46	29.09
128	5640	32.52	24.31	24.51	27.41
140	5700	24.51	23.86	24.48	24.63
144	5720 For U-NII-2C	22.90	17.06	17.39	18.50

**802.11ac (VHT40)**

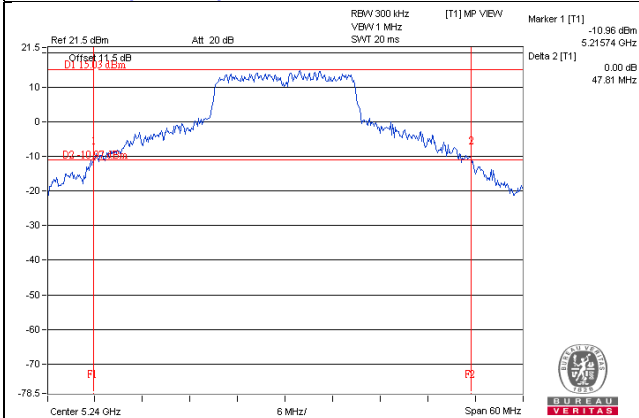
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	46.65	43.46	44.36	69.48
46	5230	90.91	71.90	76.44	94.61
54	5270	74.39	50.26	58.62	72.04
62	5310	44.01	43.58	44.26	44.60
102	5510	44.93	43.33	44.31	44.41
110	5550	70.57	44.12	49.68	71.09
118	5590	57.26	44.29	46.50	46.36
126	5630	57.48	43.72	44.34	44.40
134	5670	72.70	43.66	44.27	70.54
142	5710 For U-NII-2C	54.21	36.67	42.28	52.19

### 802.11ac (VHT80)

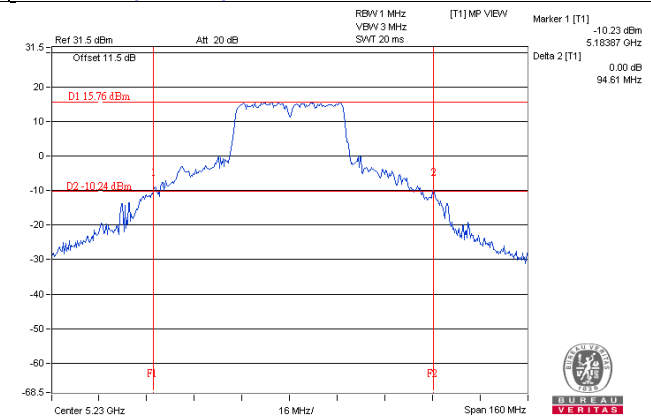
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	85.22	85.93	84.27	85.89
58	5290	84.67	83.46	83.98	84.50
106	5530	85.36	83.81	83.80	84.84
122	5610	111.05	101.84	104.97	102.15
138	5690 For U-NII-2C	101.67	78.40	78.03	90.44

### Spectrum Plot of Worst Value

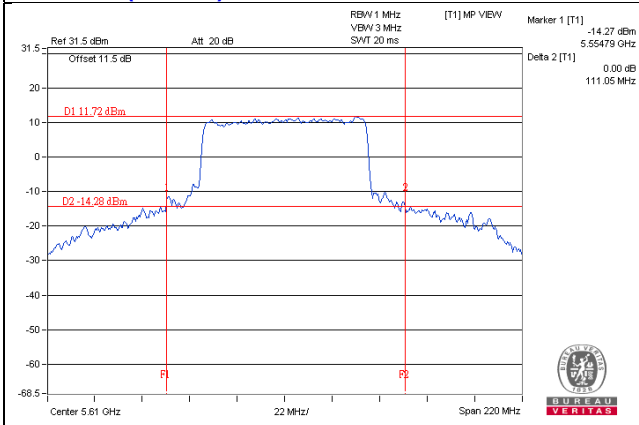
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



### Beamforming Mode

Mode F

#### 802.11ac (VHT20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	24.88	23.92	24.72	24.02
40	5200	45.90	47.11	45.59	42.53
48	5240	44.06	46.50	46.23	46.53
52	5260	25.13	24.89	24.14	24.04
60	5300	24.95	25.06	24.18	24.01
64	5320	25.36	25.27	23.97	24.09
100	5500	25.26	25.38	23.96	24.11
116	5580	25.35	25.61	24.06	23.93
120	5600	25.11	23.89	25.02	23.83
124	5620	25.04	24.13	25.17	24.04
128	5640	25.30	23.98	25.29	24.03
140	5700	25.10	25.35	23.87	24.03
144	5720 For U-NII-2C	17.41	17.19	17.45	17.25

#### 802.11ac (VHT40)

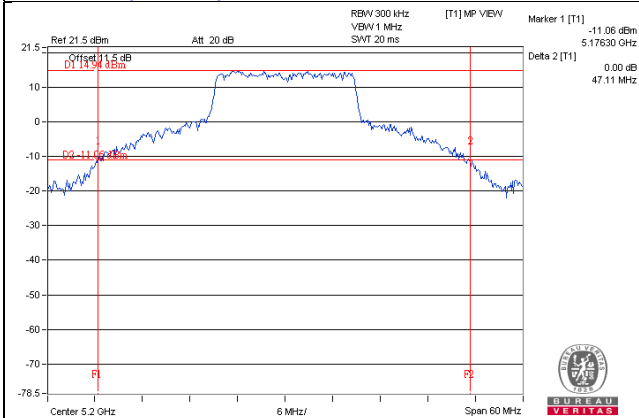
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	43.85	44.04	43.89	43.51
46	5230	89.38	91.87	88.21	73.79
54	5270	44.09	47.78	43.93	43.84
62	5310	44.03	44.57	44.08	43.62
102	5510	44.32	43.99	44.09	43.60
110	5550	44.12	44.00	43.81	43.76
118	5590	44.25	43.65	44.37	43.50
126	5630	44.00	43.42	44.14	43.30
134	5670	44.26	44.33	44.34	43.51
142	5710 For U-NII-2C	37.28	36.77	37.36	36.73

### 802.11ac (VHT80)

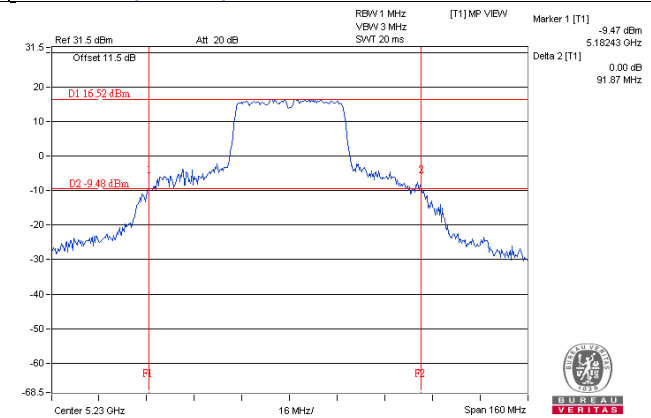
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	85.46	85.40	85.52	91.38
58	5290	83.24	82.90	83.52	84.73
106	5530	83.15	82.23	83.55	81.99
122	5610	133.79	116.37	120.33	116.32
138	5690 For U-NII-2C	91.54	90.59	90.09	84.80

### Spectrum Plot of Worst Value

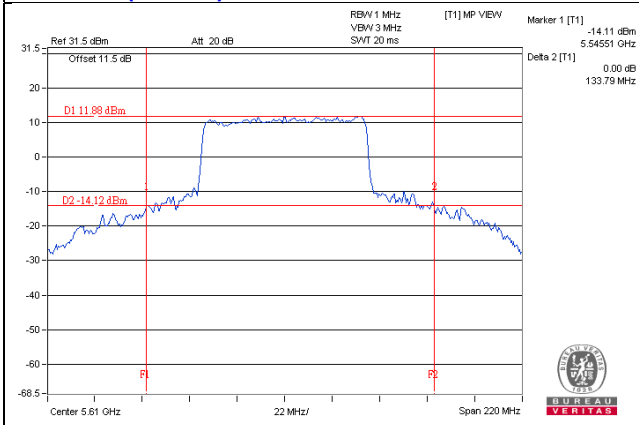
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



Mode G

802.11ac (VHT20)

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	24.28	23.83	24.33	24.40
40	5200	42.18	39.01	41.80	40.34
48	5240	45.14	44.00	41.73	47.81
52	5260	26.56	24.39	24.55	29.29
60	5300	28.94	24.28	24.44	30.66
64	5320	33.08	24.39	24.42	30.51
100	5500	32.81	24.33	24.64	29.26
116	5580	33.11	24.23	24.48	29.46
120	5600	29.38	24.31	24.30	29.57
124	5620	29.13	24.26	24.46	29.09
128	5640	32.52	24.31	24.51	27.41
140	5700	25.29	24.32	24.67	25.20
144	5720 For U-NII-2C	22.90	17.06	17.39	18.50

802.11ac (VHT40)

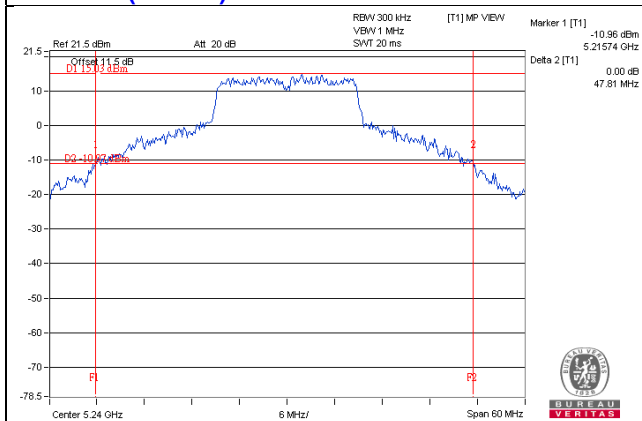
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	46.65	43.46	44.36	69.48
46	5230	90.91	71.90	76.44	94.61
54	5270	74.39	50.26	58.62	72.04
62	5310	44.79	43.72	44.29	44.38
102	5510	44.93	43.33	44.31	44.41
110	5550	57.26	44.29	46.50	46.36
118	5590	57.26	44.29	46.50	46.36
126	5630	57.48	43.72	44.34	44.40
134	5670	72.70	43.66	44.27	70.54
142	5710 For U-NII-2C	54.21	36.67	42.28	52.19

### 802.11ac (VHT80)

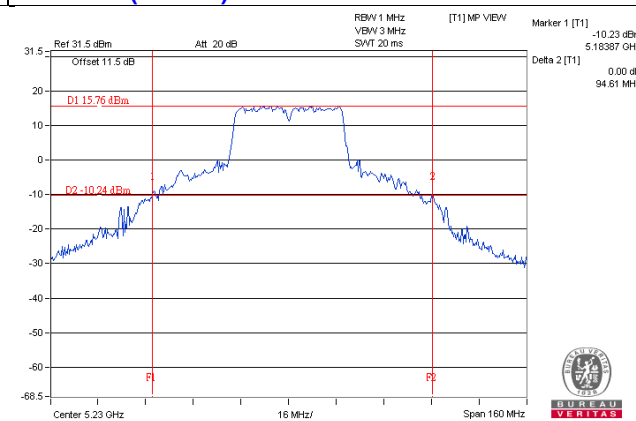
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	85.70	83.06	84.00	84.24
58	5290	83.87	83.52	83.53	83.58
106	5530	95.38	83.22	83.48	83.46
122	5610	103.00	118.50	96.94	96.32
138	5690 For U-NII-2C	101.67	78.40	78.03	90.44

### Spectrum Plot of Worst Value

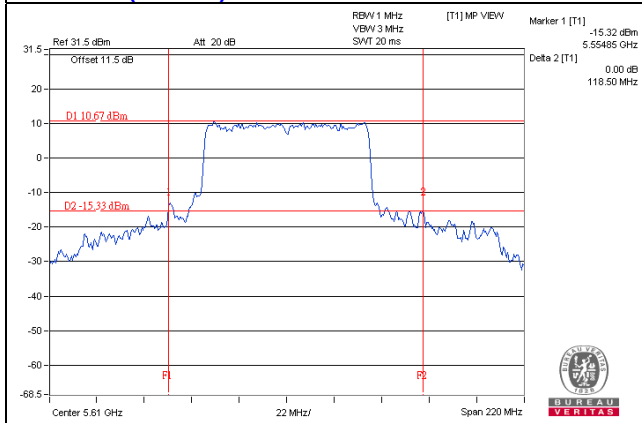
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



**OCCUPIED BANDWIDTH:**

CDD Mode

Mode F

**802.11ac (VHT20)**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	18.12	18.24	18.24	18.24
40	5200	25.92	27.72	25.80	22.20
48	5240	23.64	28.92	27.24	27.48
52	5260	18.24	18.12	18.00	18.00
60	5300	18.12	18.12	18.12	18.00
64	5320	18.12	18.12	18.00	18.00
100	5500	18.12	18.12	18.00	18.12
116	5580	18.12	18.12	18.00	18.00
120	5600	18.12	18.12	18.12	18.00
124	5620	18.12	18.00	18.12	18.12
128	5640	18.12	18.12	18.12	18.12
140	5700	13.88	13.88	13.88	13.88
144	5720 For U-NII-2C	3.76	3.76	3.76	3.76
144	5720 For U-NII-3	22.17	22.86	21.04	20.26
149	5745	21.72	20.40	23.28	19.56
157	5785	22.56	19.80	19.32	18.72
165	5825	13.88	13.88	13.88	13.88

**802.11ac (VHT40)**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	36.84	36.96	36.96	36.84
46	5230	37.56	37.44	37.20	37.20
54	5270	36.96	36.96	36.84	36.84
62	5310	36.84	36.84	36.84	36.84
102	5510	36.84	36.84	36.84	36.84
110	5550	36.84	36.72	36.96	36.84
118	5590	36.96	36.72	36.84	36.72
126	5630	36.84	36.96	36.84	36.84
134	5670	36.72	36.84	36.84	36.84
142	5710 For U-NII-2C	33.60	33.60	33.48	33.48
142	5710 For U-NII-3	3.24	3.24	3.24	3.24
151	5755	39.48	38.28	39.60	38.04
159	5795	38.64	38.16	38.16	37.68

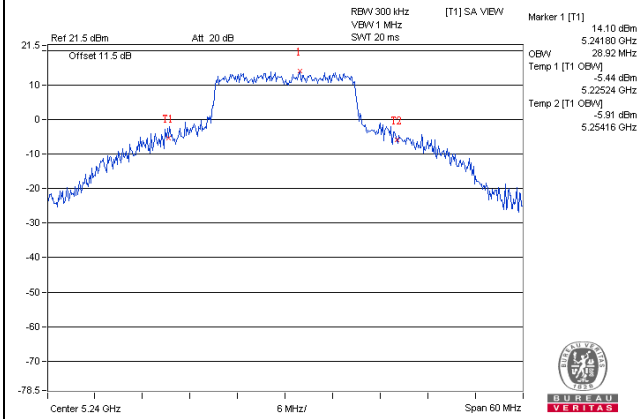
**802.11ac (VHT80)**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	75.60	75.60	75.60	75.60
58	5290	75.60	75.60	75.60	75.60
106	5530	75.36	75.36	75.36	75.60
122	5610	75.60	75.60	75.60	75.60
138	5690 For U-NII-2C	72.92	72.92	72.92	72.92
138	5690 For U-NII-3	2.68	2.68	2.44	2.68
155	5775	76.32	75.60	75.84	76.08

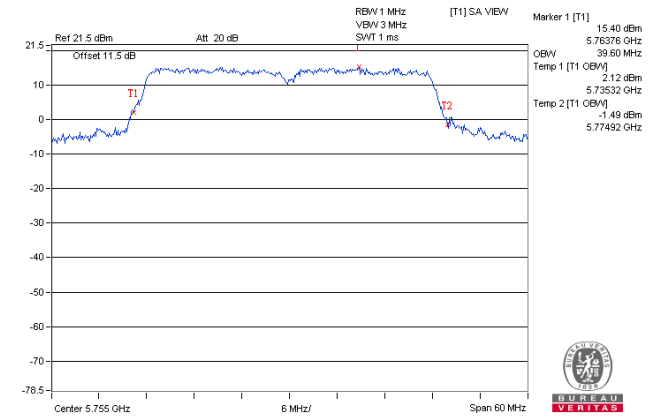


Spectrum Plot of Worst Value

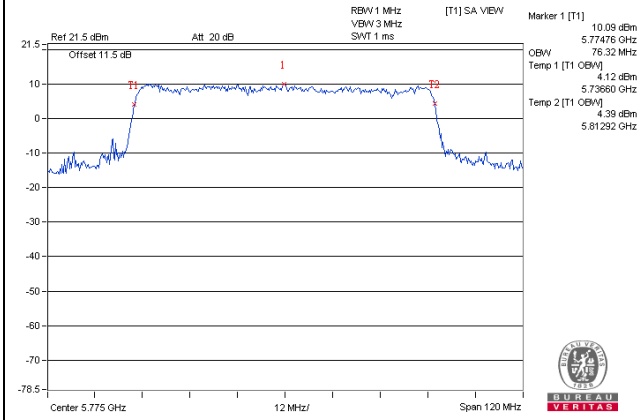
**802.11ac (VHT20)**



**802.11ac (VHT40)**



**802.11ac (VHT80)**



Mode G

802.11ac (VHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	18.24	18.12	18.12	18.36
40	5200	24.36	19.92	20.52	26.88
48	5240	23.64	26.04	21.84	31.08
52	5260	18.12	18.12	18.12	18.24
60	5300	18.12	18.12	18.12	18.36
64	5320	18.24	18.12	18.00	18.36
100	5500	18.36	18.12	18.12	18.36
116	5580	18.36	18.12	18.00	18.36
120	5600	18.24	18.12	18.12	18.00
124	5620	18.24	18.12	18.12	18.12
128	5640	18.36	18.12	18.12	18.24
140	5700	18.12	18.12	18.00	18.00
144	5720 For U-NII-2C	14.00	14.00	14.00	14.00
144	5720 For U-NII-3	3.76	3.76	3.76	3.76
149	5745	21.73	20.52	20.08	21.91
157	5785	20.52	19.68	20.04	20.52
165	5825	20.28	19.08	19.20	19.68

**802.11ac (VHT40)**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	36.84	36.84	36.84	36.84
46	5230	37.92	37.32	37.68	38.52
54	5270	37.08	36.96	37.08	36.96
62	5310	36.84	36.96	36.84	36.84
102	5510	36.96	36.96	36.84	36.84
110	5550	36.84	37.08	37.08	36.84
118	5590	37.08	36.96	37.08	36.96
126	5630	37.08	36.96	36.84	36.84
134	5670	36.96	36.96	36.96	36.84
142	5710 For U-NII-2C	33.72	33.60	33.60	33.60
142	5710 For U-NII-3	3.36	3.48	3.36	3.36
151	5755	39.24	38.04	38.28	38.52
159	5795	38.88	37.80	37.80	38.16

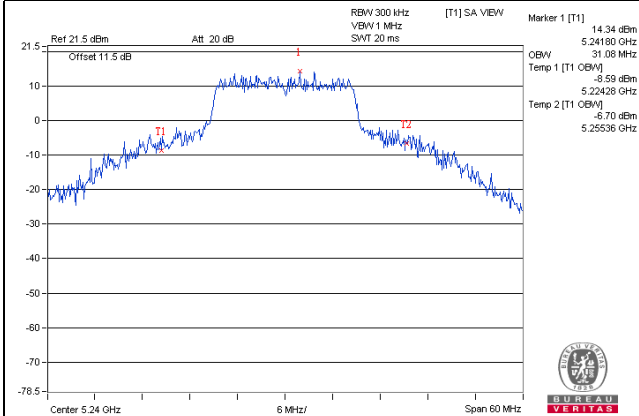
**802.11ac (VHT80)**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	75.36	75.12	75.36	75.36
58	5290	75.60	75.60	75.60	75.60
106	5530	75.36	75.36	75.36	75.36
122	5610	75.84	75.60	75.84	75.60
138	5690 For U-NII-2C	73.16	72.92	72.92	72.92
138	5690 For U-NII-3	2.68	2.68	2.68	2.68
155	5775	75.84	75.60	75.60	75.60

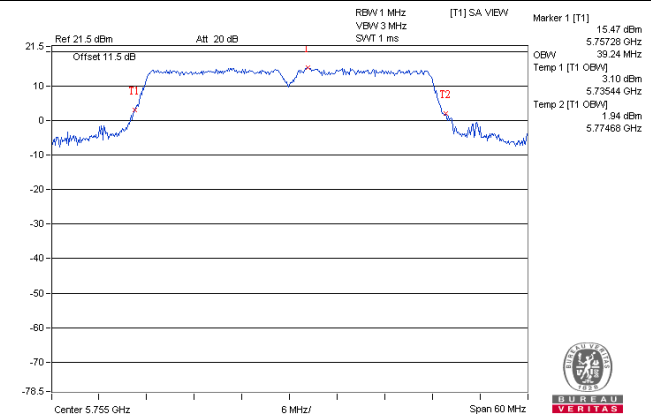


### Spectrum Plot of Worst Value

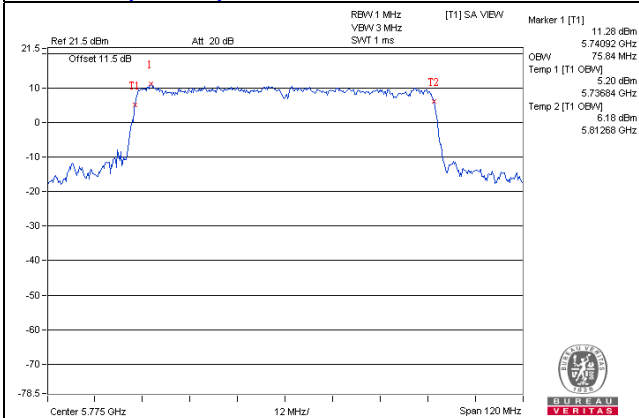
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



Beamforming Mode

Mode F

802.11ac (VHT20)

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	18.12	18.12	18.12	18.00
40	5200	25.92	27.72	25.80	22.20
48	5240	23.64	28.92	27.24	27.48
52	5260	18.24	18.12	18.00	18.00
60	5300	18.12	18.12	18.12	18.00
64	5320	18.12	18.12	18.00	18.00
100	5500	18.12	18.12	18.00	18.12
116	5580	18.12	18.12	18.00	18.00
120	5600	18.12	18.12	18.12	18.00
124	5620	18.12	18.00	18.12	18.12
128	5640	18.12	18.12	18.12	18.12
140	5700	18.12	18.12	18.00	18.12
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
149	5745	22.17	22.86	21.04	20.26
157	5785	21.72	20.40	23.28	19.56
165	5825	22.56	19.80	19.32	18.72

**802.11ac (VHT40)**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	36.84	36.96	36.96	36.84
46	5230	37.56	37.44	37.20	37.20
54	5270	36.96	36.96	36.84	36.84
62	5310	36.72	36.84	37.08	36.84
102	5510	36.84	36.84	36.84	36.84
110	5550	36.84	36.72	36.96	36.84
118	5590	36.96	36.72	36.84	36.72
126	5630	36.84	36.96	36.84	36.84
134	5670	36.72	36.84	36.84	36.84
142	5710 For U-NII-2C	33.60	33.60	33.48	33.48
142	5710 For U-NII-3	3.24	3.24	3.24	3.24
151	5755	39.48	38.28	39.60	38.04
159	5795	38.64	38.16	38.16	37.68

**802.11ac (VHT80)**

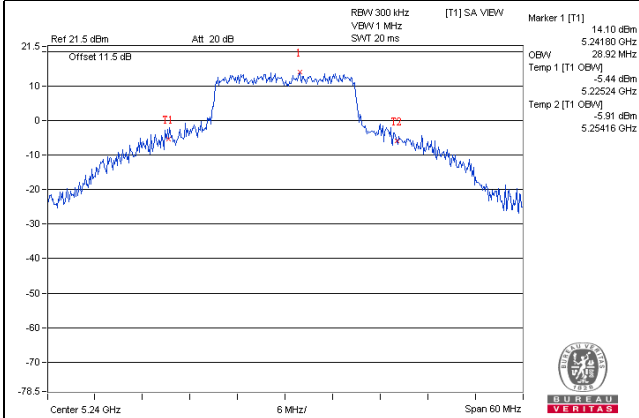
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	75.60	75.60	75.60	75.60
58	5290	75.60	75.60	75.60	75.60
106	5530	75.60	75.36	75.36	75.36
122	5610	75.84	75.60	75.60	75.60
138	5690 For U-NII-2C	72.92	72.92	72.92	72.92
138	5690 For U-NII-3	2.68	2.68	2.44	2.68
155	5775	76.32	75.84	75.60	75.60



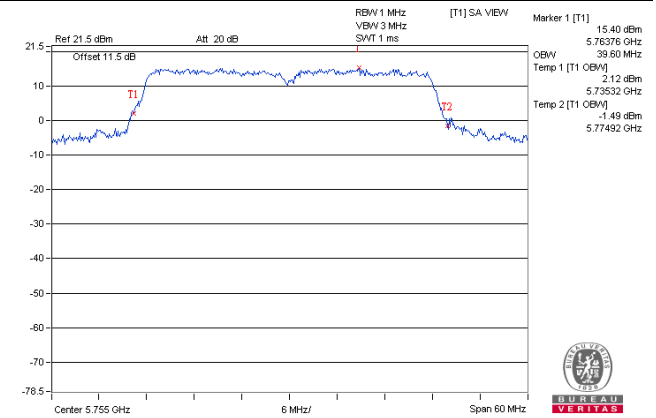
BUREAU  
VERITAS

### Spectrum Plot of Worst Value

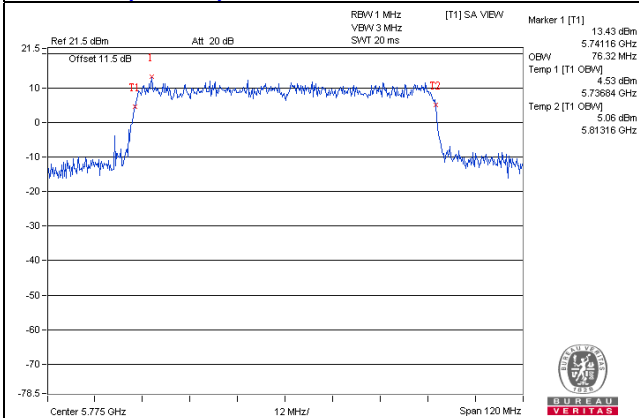
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



Mode G

**802.11ac (VHT20)**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
36	5180	18.00	18.12	18.00	18.12
40	5200	19.92	20.04	21.96	20.28
48	5240	23.64	26.04	21.84	31.08
52	5260	18.12	18.12	18.12	18.24
60	5300	18.12	18.12	18.12	18.36
64	5320	18.24	18.12	18.00	18.36
100	5500	18.36	18.12	18.12	18.36
116	5580	18.36	18.12	18.00	18.36
120	5600	18.24	18.12	18.12	18.00
124	5620	18.24	18.12	18.12	18.12
128	5640	18.36	18.12	18.12	18.24
140	5700	18.12	18.12	18.12	18.12
144	5720 For U-NII-2C	14.00	14.00	14.00	14.00
144	5720 For U-NII-3	3.76	3.76	3.76	3.76
149	5745	21.73	20.52	20.08	21.91
157	5785	20.52	19.68	20.04	20.52
165	5825	20.28	19.08	19.20	19.68



**802.11ac (VHT40)**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
38	5190	36.84	36.84	36.84	36.84
46	5230	37.92	37.32	37.68	38.52
54	5270	37.08	36.96	37.08	36.96
62	5310	37.20	36.96	36.96	36.96
102	5510	36.96	36.96	36.84	36.84
110	5550	37.08	36.96	37.08	36.96
118	5590	37.08	36.96	37.08	36.96
126	5630	37.08	36.96	36.84	36.84
134	5670	36.96	36.96	36.96	36.84
142	5710 For U-NII-2C	33.72	33.60	33.60	33.60
142	5710 For U-NII-3	3.36	3.48	3.36	3.36
151	5755	39.24	38.04	38.28	38.52
159	5795	38.88	37.80	37.80	38.16

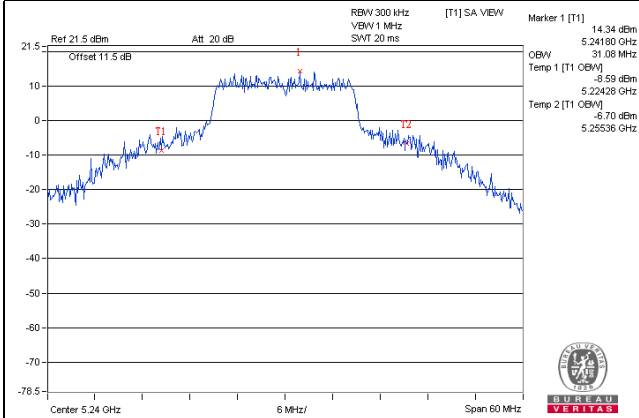
**802.11ac (VHT80)**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
42	5210	75.60	75.36	75.60	75.60
58	5290	75.60	75.60	75.60	75.36
106	5530	75.60	75.36	75.36	75.60
122	5610	75.60	75.60	75.84	75.60
138	5690 For U-NII-2C	73.16	72.92	72.92	72.92
138	5690 For U-NII-3	2.68	2.68	2.68	2.68

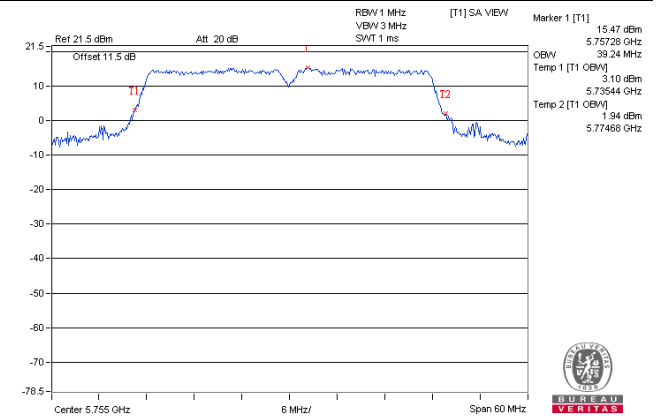


### Spectrum Plot of Worst Value

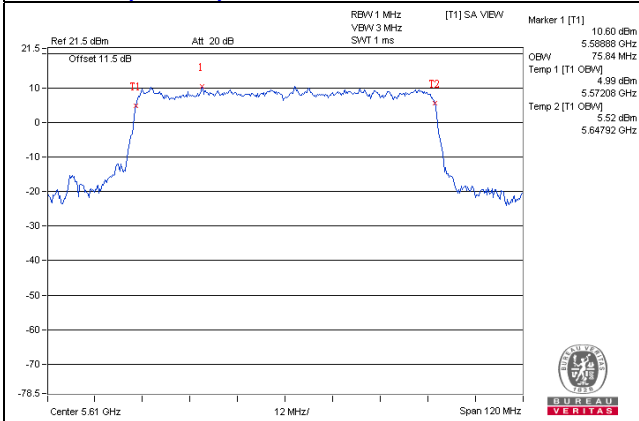
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



## EUT MAXIMUM CONDUCTED POWER

CDD Mode

Mode F

### 802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	172.976	22.38
5470~5725	176.221	22.46

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

### 802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	245.758	23.91
5470~5725	236.666	23.74

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

### 802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	172.697	22.37
5470~5725	244.399	23.88

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

Mode G

**802.11ac (VHT20)**

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	250.060	23.98
5470~5725	248.860	23.96

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

**802.11ac (VHT40)**

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	248.870	23.96
5470~5725	248.812	23.96

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

**802.11ac (VHT80)**

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	160.493	22.05
5470~5725	245.03	23.89

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

## Beamforming Mode

Mode F

### 802.11ac (VHT20)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	171.769	22.35
5470~5725	174.371	22.41

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

### 802.11ac (VHT40)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	245.758	23.91
5470~5725	246.774	23.92

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

### 802.11ac (VHT80)

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	137.913	21.40
5470~5725	250.663	23.99

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

Mode G

**802.11ac (VHT20)**

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	249.201	23.97
5470~5725	249.101	23.96

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

**802.11ac (VHT40)**

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	250.224	23.98
5470~5725	248.454	23.95

**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

**802.11ac (VHT80)**

Frequency Band (MHz)	Max. Power	
	Output Power (mW)	Output Power (dBm)
5250~5350	136.657	21.36
5470~5725	249.107	23.96

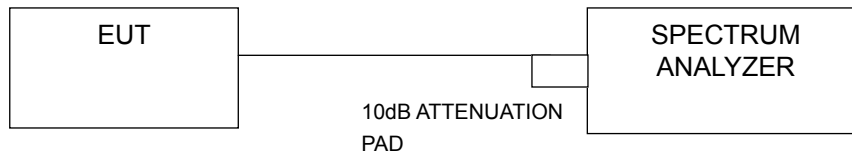
**NOTE:** Manufacturer provides Transmit Power Control description to meet this requirement.

#### 4.4 Peak Power Spectral Density Measurement

##### 4.4.1 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	11dBm/ MHz
		Mobile and Portable client device	
U-NII-2A	√		11dBm/ MHz
U-NII-2C	√		11dBm/ MHz
U-NII-3	√		30dBm/ 500kHz

##### 4.4.2 Test Setup



##### 4.4.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

#### 4.4.4 Test Procedures

##### For U-NII-1, U-NII-2A, U-NII-2C band:

###### Without duty cycle (Using method SA-1):

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1MHz, Set VBW  $\geq$  3MHz, 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

###### With duty cycle (Using method SA-2):

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1MHz, Set VBW  $\geq$  3MHz, 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:

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 300 kHz, Set VBW  $\geq$  1 MHz, Detector = RMS
- 3) Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
- 4) Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where  $BWCF = 10\log(500\text{kHz}/300\text{kHz})$
- 5) Sweep time = auto, trigger set to "free run".
- 6) Trace average at least 100 traces in power averaging mode.
- 7) Record the max value and add  $10 \log (1/\text{duty cycle})$

#### 4.4.5 Deviation from Test Standard

No deviation.

#### 4.4.6 EUT Operating Conditions

Same as Item 4.3.6.



#### 4.4.7 Test Results

### For U-NII-1, U-NII-2A, U-NII-2C Band

CDD Mode

Mode F

#### 802.11ac (VHT20)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	8.21	8.57	8.82	8.18	0.17	14.65	17.00	Pass
40	5200	10.50	11.00	11.09	10.52	0.17	16.98	17.00	Pass
48	5240	10.87	10.99	10.88	10.43	0.17	16.99	17.00	Pass
52	5260	4.66	5.06	4.67	4.61	0.17	10.95	11.00	Pass
60	5300	4.81	4.62	4.45	4.70	0.17	10.84	11.00	Pass
64	5320	4.17	4.39	4.80	4.52	0.17	10.67	11.00	Pass
100	5500	4.55	5.06	4.61	4.82	0.17	10.96	11.00	Pass
116	5580	5.65	4.08	4.35	4.27	0.17	10.83	11.00	Pass
120	5600	4.81	4.54	4.42	5.00	0.17	10.89	11.00	Pass
124	5620	5.01	4.54	4.97	4.66	0.17	10.99	11.00	Pass
128	5640	4.88	4.73	4.81	4.72	0.17	10.98	11.00	Pass
140	5700	4.53	5.00	4.78	4.16	0.17	10.82	11.00	Pass
144	5720 For U-NII-2C	4.85	4.69	4.54	4.97	0.17	10.96	11.00	Pass

**Note:**

- Method 1 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.
- U-NII-1 band: Directional gain = 1.5dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2A band: Directional gain = 1.1dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2C band: Directional gain = 2.2dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT40)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	2.74	3.04	3.21	2.83	0.50	9.48	17.00	Pass
46	5230	7.39	7.88	7.31	6.68	0.50	13.86	17.00	Pass
54	5270	4.02	4.41	4.38	4.18	0.50	10.77	11.00	Pass
62	5310	1.70	2.10	1.99	1.78	0.50	8.42	11.00	Pass
102	5510	2.94	2.02	2.12	2.38	0.50	8.90	11.00	Pass
110	5550	3.68	3.18	3.59	3.35	0.50	9.98	11.00	Pass
118	5590	3.53	2.89	3.22	2.84	0.50	9.65	11.00	Pass
126	5630	3.60	2.76	3.06	2.97	0.50	9.65	11.00	Pass
134	5670	3.22	2.27	2.76	2.91	0.50	9.33	11.00	Pass
142	5710 For U-NII-2C	3.64	3.19	3.08	3.25	0.50	9.82	11.00	Pass

**Note:**

- Method 1 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.
- U-NII-1 band: Directional gain = 1.5dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2A band: Directional gain = 1.1dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2C band: Directional gain = 2.2dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT80)

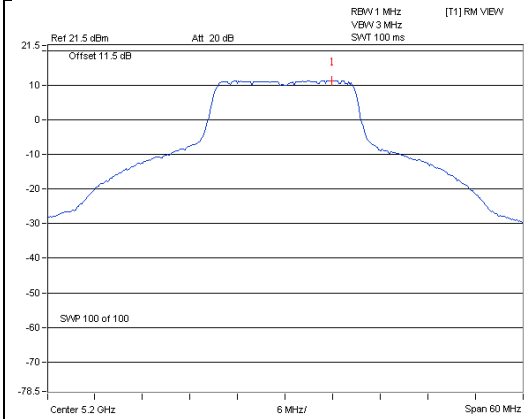
Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	0.56	1.27	1.18	1.19	0.95	8.03	17.00	Pass
58	5290	-0.10	0.34	0.39	0.23	0.95	7.19	11.00	Pass
106	5530	0.89	1.07	0.91	0.60	0.95	7.84	11.00	Pass
122	5610	0.76	0.88	1.47	1.09	0.95	8.03	11.00	Pass
2c-138	5690	2.89	2.29	1.99	2.11	0.95	9.30	11.00	Pass

**Note:**

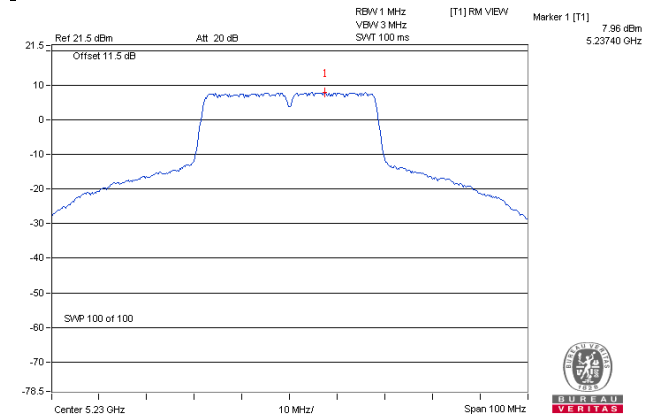
- Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- U-NII-1 band: Directional gain = 1.5dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2A band: Directional gain = 1.1dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2C band: Directional gain = 2.2dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

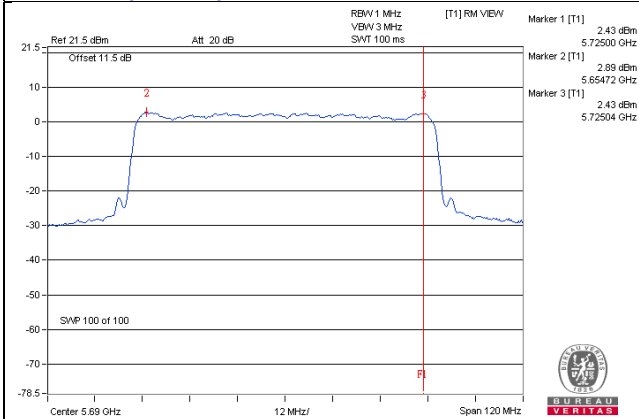
**802.11ac (VHT20) / Chain 2 / Ch 40**



**802.11ac (VHT40) / Chain 1 / Ch 46**



**802.11ac (VHT80) / Chain 0 / Ch 2c-138**



**Mode G**  
**802.11ac (VHT20)**

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	4.75	5.63	6.02	4.60	0.23	11.54	17.00	Pass
40	5200	7.37	8.63	8.96	7.96	0.23	14.52	17.00	Pass
48	5240	7.16	9.72	8.95	8.39	0.23	14.90	17.00	Pass
52	5260	3.90	4.77	4.73	4.42	0.23	10.72	11.00	Pass
60	5300	3.64	4.56	4.47	4.53	0.23	10.56	11.00	Pass
64	5320	4.47	4.80	4.32	4.22	0.23	10.71	11.00	Pass
100	5500	4.74	4.67	4.71	4.61	0.23	10.93	11.00	Pass
116	5580	4.60	4.50	4.30	4.65	0.23	10.76	11.00	Pass
120	5600	4.33	4.36	4.48	4.57	0.23	10.68	11.00	Pass
124	5620	3.91	4.67	4.43	4.41	0.23	10.61	11.00	Pass
128	5640	4.28	4.77	4.28	4.04	0.23	10.60	11.00	Pass
140	5700	2.58	3.04	3.63	2.78	0.23	9.27	11.00	Pass
144	5720 For U-NII-2C	4.19	4.92	4.73	4.50	0.23	10.84	11.00	Pass

**Note:**

- Method 1 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.
- U-NII-1 band: Directional gain = 1.5dBi < 6dBi, so the power density limit no need to reduced.  
 U-NII-2A band: Directional gain = 1.1dBi < 6dBi, so the power density limit no need to reduced.  
 U-NII-2C band: Directional gain = 2.2dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT40)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	-0.62	0.48	0.60	0.26	0.62	6.85	17.00	Pass
46	5230	3.65	4.68	5.17	4.49	0.62	11.17	17.00	Pass
54	5270	1.43	2.43	2.11	2.18	0.62	8.69	11.00	Pass
62	5310	-2.53	-0.64	-0.47	-1.09	0.62	5.53	11.00	Pass
102	5510	-0.61	0.22	-0.05	-1.05	0.62	6.30	11.00	Pass
110	5550	1.94	2.03	1.72	1.58	0.62	8.46	11.00	Pass
118	5590	1.69	1.74	2.10	2.15	0.62	8.57	11.00	Pass
126	5630	1.91	1.53	1.79	1.79	0.62	8.40	11.00	Pass
134	5670	0.81	1.19	1.36	0.61	0.62	7.64	11.00	Pass
142	5710 For U-NII-2C	1.47	1.84	2.10	1.87	0.62	8.47	11.00	Pass

**Note:**

- Method 1 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.
- U-NII-1 band: Directional gain = 1.5dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2A band: Directional gain = 1.1dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2C band: Directional gain = 2.2dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-2.83	-1.30	-1.07	-2.02	0.75	5.02	17.00	Pass
58	5290	-4.63	-2.26	-1.63	-3.30	0.75	3.96	11.00	Pass
106	5530	-2.12	-2.14	-2.71	-2.39	0.75	4.43	11.00	Pass
122	5610	1.94	1.17	1.85	0.75	0.75	8.22	11.00	Pass
2c-138	5690	-0.45	-0.52	-0.87	-0.65	0.75	6.15	11.00	Pass

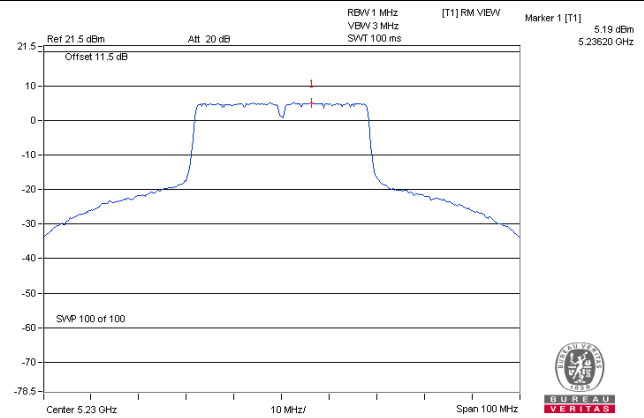
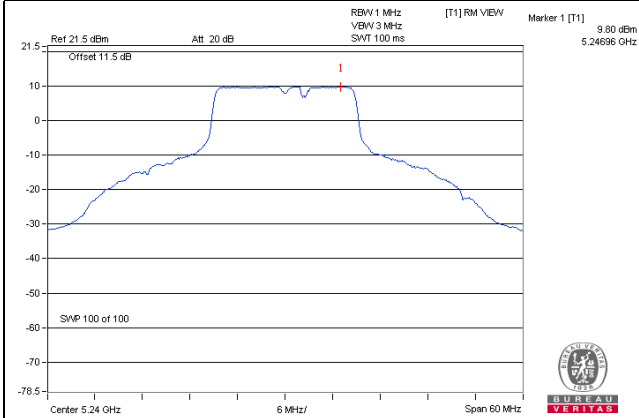
**Note:**

- Method 1 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.
- U-NII-1 band: Directional gain = 1.5dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2A band: Directional gain = 1.1dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2C band: Directional gain = 2.2dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

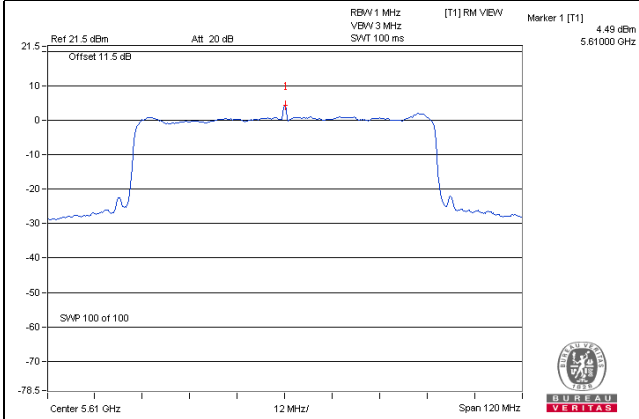
Spectrum Plot of Worst Value

802.11ac (VHT20) / Chain 1 / Ch 48

802.11ac (VHT40) / Chain 2 / Ch 46



802.11ac (VHT80) / Chain 0 / Ch 122



Beamforming Mode  
 Mode F

802.11ac (VHT20)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	4.70	4.99	5.39	5.21	0.17	11.27	17.00	Pass
40	5200	10.50	11.00	11.09	10.52	0.17	16.98	17.00	Pass
48	5240	10.87	10.99	10.88	10.43	0.17	16.99	17.00	Pass
52	5260	4.66	5.06	4.67	4.61	0.17	10.95	11.00	Pass
60	5300	4.81	4.62	4.45	4.70	0.17	10.84	11.00	Pass
64	5320	4.17	4.39	4.80	4.52	0.17	10.67	11.00	Pass
100	5500	4.55	5.06	4.61	4.82	0.17	10.96	11.00	Pass
116	5580	5.65	4.08	4.35	4.27	0.17	10.83	11.00	Pass
120	5600	4.81	4.54	4.42	5.00	0.17	10.89	11.00	Pass
124	5620	4.91	4.54	4.97	4.66	0.17	10.97	11.00	Pass
128	5640	4.88	4.73	4.81	4.72	0.17	10.98	11.00	Pass
140	5700	4.53	5.00	4.78	4.16	0.17	10.82	11.00	Pass
144	5720 For U-NII-2C	4.85	4.69	4.54	4.97	0.17	10.96	11.00	Pass

Note:

- Method 1 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.
- U-NII-1 band: Directional gain = 4.5dBi < 6dBi, so the power density limit no need to reduced.  
 U-NII-2A band: Directional gain = 4.1dBi < 6dBi, so the power density limit no need to reduced.  
 U-NII-2C band: Directional gain = 5.2dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT40)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	2.74	3.04	3.21	2.83	0.50	9.48	17.00	Pass
46	5230	7.39	7.88	7.31	6.68	0.50	13.86	17.00	Pass
54	5270	4.02	4.41	4.38	4.18	0.50	10.77	11.00	Pass
62	5310	2.21	1.97	2.75	2.42	0.50	8.87	11.00	Pass
102	5510	2.94	2.02	2.12	2.38	0.50	8.90	11.00	Pass
110	5550	3.68	3.18	3.59	3.35	0.50	9.98	11.00	Pass
118	5590	3.53	2.89	3.22	2.84	0.50	9.65	11.00	Pass
126	5630	3.60	2.76	3.06	2.97	0.50	9.63	11.00	Pass
134	5670	3.22	2.27	2.76	2.91	0.50	9.33	11.00	Pass
142	5710 For U-NII-2C	3.64	3.19	3.08	3.25	0.50	9.82	11.00	Pass

**Note:**

- Method 1 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.
- U-NII-1 band: Directional gain = 4.5dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2A band: Directional gain = 4.1dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2C band: Directional gain = 5.2dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	0.56	1.27	1.18	1.19	0.95	8.03	17.00	Pass
58	5290	-1.62	-1.38	-0.69	-0.73	0.95	5.88	11.00	Pass
106	5530	-0.52	-1.20	-0.74	-0.88	0.95	6.14	11.00	Pass
122	5610	2.00	0.97	1.43	1.11	0.95	8.36	11.00	Pass
2c-138	5690	2.89	2.29	1.99	2.11	0.95	9.30	11.00	Pass

**Note:**

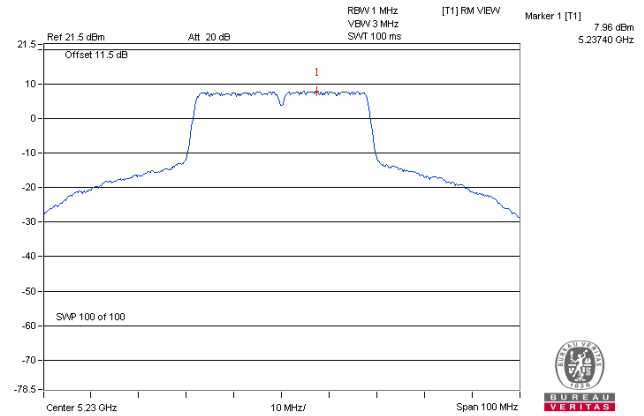
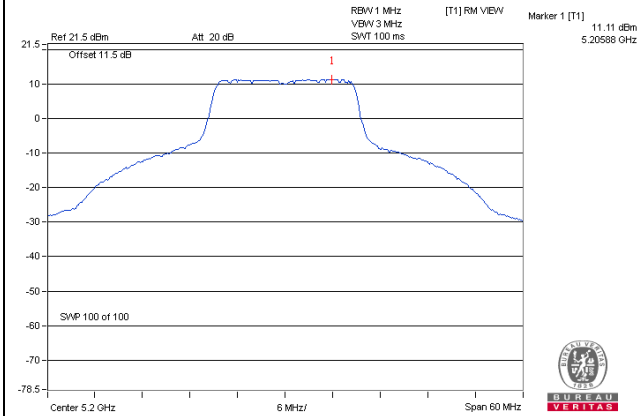
- Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- U-NII-1 band: Directional gain = 4.5dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2A band: Directional gain = 4.1dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2C band: Directional gain = 5.2dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.



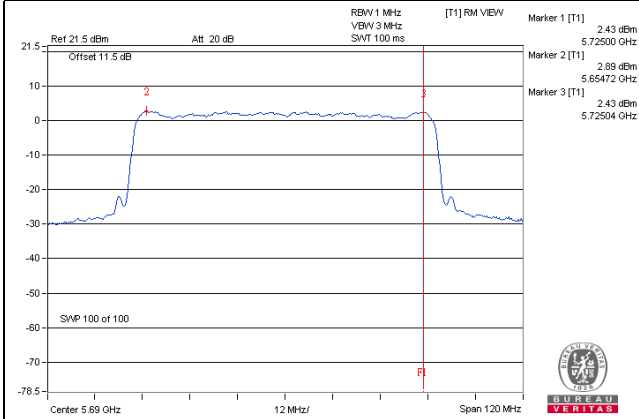
### Spectrum Plot of Worst Value

**802.11ac (VHT20) / Chain 2 / Ch 40**

**802.11ac (VHT40) / Chain 1 / Ch 46**



**802.11ac (VHT80) / Chain 0 / 2c-138**



**Mode G**  
**802.11ac (VHT20)**

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	4.75	5.63	6.02	4.60	0.16	11.47	17.00	Pass
40	5200	7.37	8.63	8.96	7.96	0.16	14.45	17.00	Pass
48	5240	7.16	9.72	8.95	8.39	0.16	14.83	17.00	Pass
52	5260	3.90	4.77	4.73	4.42	0.16	10.65	11.00	Pass
60	5300	3.64	4.56	4.47	4.53	0.16	10.50	11.00	Pass
64	5320	4.47	4.80	4.32	4.22	0.16	10.64	11.00	Pass
100	5500	4.74	4.67	4.71	4.61	0.16	10.86	11.00	Pass
116	5580	4.60	4.50	4.30	4.65	0.16	10.69	11.00	Pass
120	5600	4.33	4.36	4.48	4.57	0.16	10.62	11.00	Pass
124	5620	3.91	4.67	4.43	4.41	0.16	10.54	11.00	Pass
128	5640	4.28	4.77	4.28	4.04	0.16	10.53	11.00	Pass
140	5700	2.58	3.04	3.63	2.78	0.16	9.21	11.00	Pass
144	5720 For U-NII-2C	4.19	4.92	4.73	4.50	0.16	10.77	11.00	Pass

**Note:**

- Method 1 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.
- U-NII-1 band: Directional gain = 2.7dBi < 6dBi, so the power density limit no need to reduced.  
 U-NII-2A band: Directional gain = 2.3dBi < 6dBi, so the power density limit no need to reduced.  
 U-NII-2C band: Directional gain = 3.4dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT40)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	-0.62	0.48	0.60	0.26	0.62	6.85	17.00	Pass
46	5230	3.65	4.68	5.17	4.49	0.62	11.17	17.00	Pass
54	5270	1.43	2.43	2.11	2.18	0.62	8.69	11.00	Pass
62	5310	-2.53	-0.64	-0.47	-1.09	0.62	5.53	11.00	Pass
102	5510	-0.61	0.22	-0.05	-1.05	0.62	6.30	11.00	Pass
110	5550	1.69	1.74	2.10	2.15	0.62	8.57	11.00	Pass
118	5590	1.69	1.74	2.10	2.15	0.62	8.57	11.00	Pass
126	5630	1.91	1.53	1.79	1.79	0.62	8.40	11.00	Pass
134	5670	0.81	1.19	1.36	0.61	0.62	7.64	11.00	Pass
142	5710 For U-NII-2C	1.47	1.84	2.10	1.87	0.62	8.47	11.00	Pass

**Note:**

- Method 1 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.
- U-NII-1 band: Directional gain = 2.7dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2A band: Directional gain = 2.3dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2C band: Directional gain = 3.4dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)				Duty Factor (dB)	Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-2.83	-1.30	-1.07	-2.02	0.75	5.02	17.00	Pass
58	5290	-4.63	-2.26	-1.63	-3.30	0.75	3.96	11.00	Pass
106	5530	-2.12	-2.14	-2.71	-2.39	0.75	4.43	11.00	Pass
122	5610	-1.93	-2.95	-2.50	-2.54	0.75	4.30	11.00	Pass
2c-138	5690	-0.45	-0.52	-0.87	-0.65	0.75	6.15	11.00	Pass

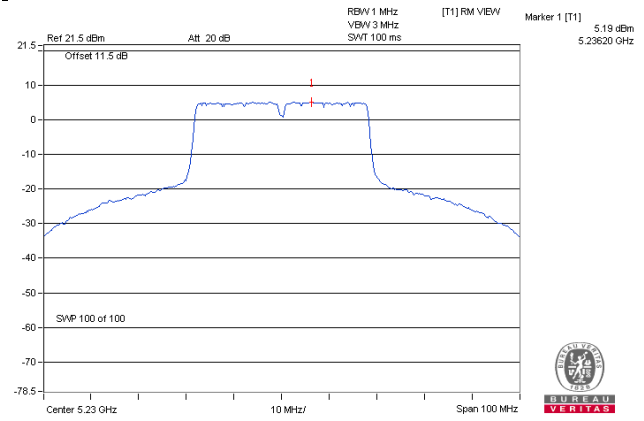
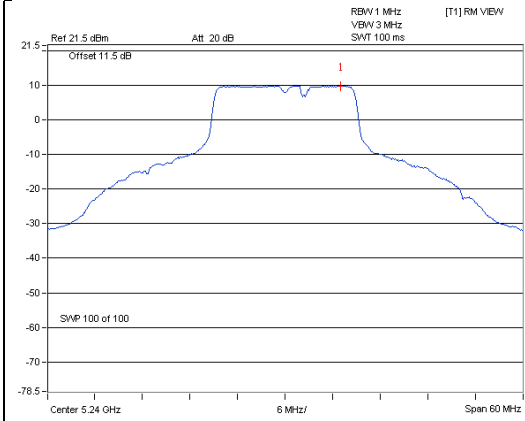
**Note:**

- Method 1 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.
- U-NII-1 band: Directional gain = 2.7dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2A band: Directional gain = 2.3dBi < 6dBi, so the power density limit no need to reduced.  
U-NII-2C band: Directional gain = 3.4dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

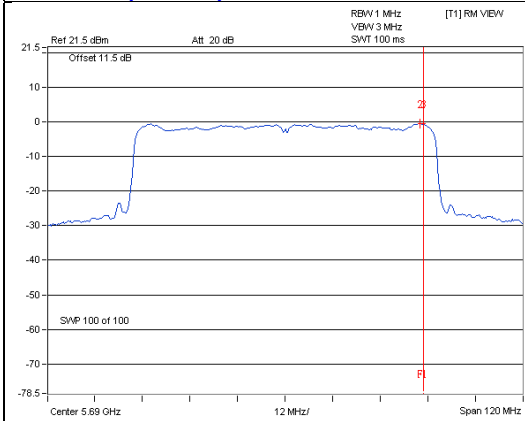
Spectrum Plot of Worst Value

**802.11ac (VHT20) / Chain 1 / Ch 48**

**802.11ac (VHT40) / Chain 2 / Ch 46**



**802.11ac (VHT80) / Chain 0 / Ch 2c-138**



## For U-NII-3 Band

CDD Mode

Mode F

### 802.11ac (VHT20)

TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	144	5720 For U-NII-3	-0.42	1.80	6.02	7.99	-0.42	30.00	Pass
	149	5745	-1.11	1.11	6.02	7.30	-1.11	30.00	Pass
	157	5785	-1.63	0.59	6.02	6.78	-1.63	30.00	Pass
	165	5825	-0.78	1.44	6.02	7.63	-0.78	30.00	Pass
1	144	5720 For U-NII-3	-0.39	1.83	6.02	8.02	-0.39	30.00	Pass
	149	5745	-0.22	2.00	6.02	8.19	-0.22	30.00	Pass
	157	5785	-1.04	1.18	6.02	7.37	-1.04	30.00	Pass
	165	5825	-1.13	1.09	6.02	7.28	-1.13	30.00	Pass
2	144	5720 For U-NII-3	-0.61	1.61	6.02	7.80	-0.61	30.00	Pass
	149	5745	-0.86	1.36	6.02	7.55	-0.86	30.00	Pass
	157	5785	-0.68	1.54	6.02	7.73	-0.68	30.00	Pass
	165	5825	-1.28	0.94	6.02	7.13	-1.28	30.00	Pass
3	144	5720 For U-NII-3	0.29	2.51	6.02	8.70	0.29	30.00	Pass
	149	5745	-0.65	1.57	6.02	7.76	-0.65	30.00	Pass
	157	5785	-1.10	1.12	6.02	7.31	-1.10	30.00	Pass
	165	5825	-1.49	0.73	6.02	6.92	-1.49	30.00	Pass

Note:

1. Method 1 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 = 2.8dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT40)

TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	142	5710 For U-NII-3	-1.74	0.48	6.02	0.50	7.00	30.00	Pass
	151	5755	-2.62	-0.40	6.02	0.50	6.12	30.00	Pass
	159	5795	-3.54	-1.32	6.02	0.50	5.20	30.00	Pass
1	142	5710 For U-NII-3	-2.35	-0.13	6.02	0.50	6.39	30.00	Pass
	151	5755	-3.15	-0.93	6.02	0.50	5.59	30.00	Pass
	159	5795	-3.57	-1.35	6.02	0.50	5.17	30.00	Pass
2	142	5710 For U-NII-3	-2.35	-0.13	6.02	0.50	6.39	30.00	Pass
	151	5755	-3.69	-1.47	6.02	0.50	5.05	30.00	Pass
	159	5795	-4.05	-1.83	6.02	0.50	4.69	30.00	Pass
3	142	5710 For U-NII-3	-1.90	0.32	6.02	0.50	6.84	30.00	Pass
	151	5755	-4.05	-1.83	6.02	0.50	4.69	30.00	Pass
	159	5795	-4.30	-2.08	6.02	0.50	4.44	30.00	Pass

**Note:**

- Method 1 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 = 2.8dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT80)

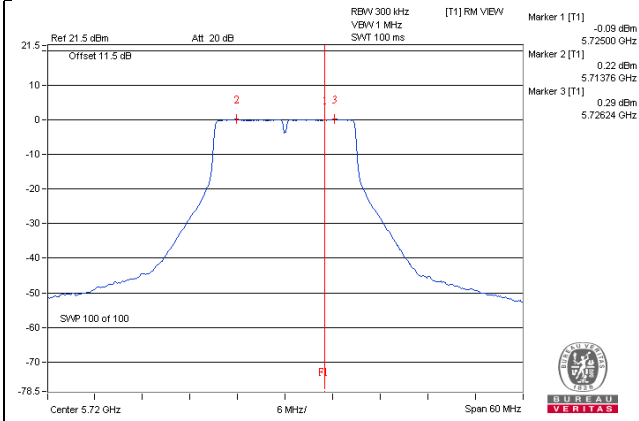
TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	138	5690 For U-NII-3	-2.44	-0.22	6.02	0.95	6.75	30.00	Pass
	155	5775	-1.71	0.51	6.02	0.95	7.48	30.00	Pass
1	138	5690 For U-NII-3	-3.15	-0.93	6.02	0.95	6.04	30.00	Pass
	155	5775	-9.11	-6.89	6.02	0.95	0.08	30.00	Pass
2	138	5690 For U-NII-3	-3.37	-1.15	6.02	0.95	5.82	30.00	Pass
	155	5775	-8.82	-6.60	6.02	0.95	0.37	30.00	Pass
3	138	5690 For U-NII-3	-3.07	-0.85	6.02	0.95	6.12	30.00	Pass
	155	5775	-9.04	-6.82	6.02	0.95	0.15	30.00	Pass

**Note:**

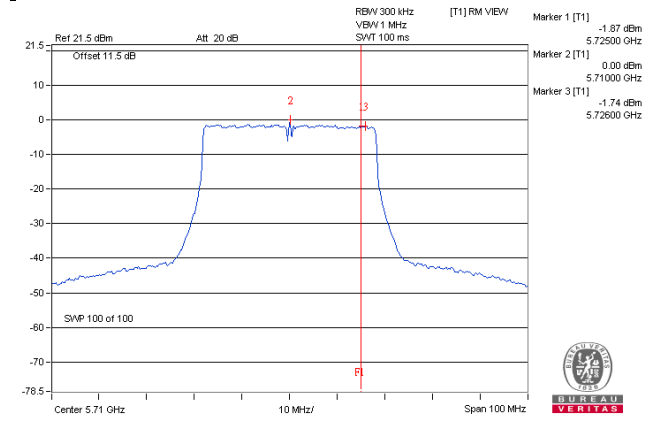
- Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = 2.8dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### Spectrum Plot of Worst Value

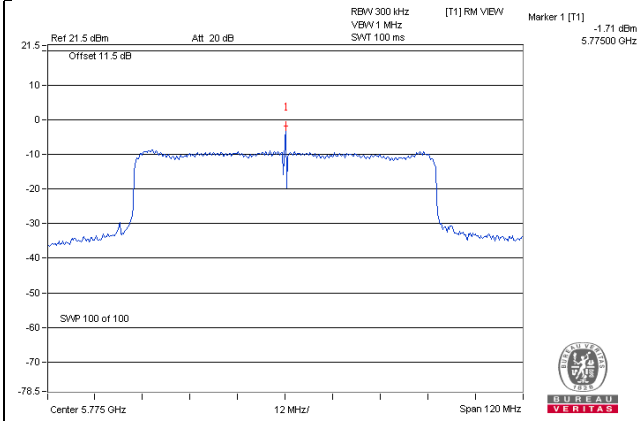
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



**Mode G**
**802.11ac (VHT20)**

TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	144	5720 For U-NII-3	-3.75	-1.53	6.02	0.23	4.72	30.00	Pass
	149	5745	-0.30	1.92	6.02	0.23	8.17	30.00	Pass
	157	5785	-0.60	1.62	6.02	0.23	7.87	30.00	Pass
	165	5825	-0.52	1.70	6.02	0.23	7.95	30.00	Pass
1	144	5720 For U-NII-3	-3.30	-1.08	6.02	0.23	5.17	30.00	Pass
	149	5745	0.15	2.37	6.02	0.23	8.62	30.00	Pass
	157	5785	-0.35	1.87	6.02	0.23	8.12	30.00	Pass
	165	5825	-0.63	1.59	6.02	0.23	7.84	30.00	Pass
2	144	5720 For U-NII-3	-3.79	-1.57	6.02	0.23	4.68	30.00	Pass
	149	5745	-0.44	1.78	6.02	0.23	8.03	30.00	Pass
	157	5785	-0.45	1.77	6.02	0.23	8.02	30.00	Pass
	165	5825	-0.47	1.75	6.02	0.23	8.00	30.00	Pass
3	144	5720 For U-NII-3	-3.62	-1.40	6.02	0.23	4.85	30.00	Pass
	149	5745	-0.03	2.19	6.02	0.23	8.44	30.00	Pass
	157	5785	-0.18	2.04	6.02	0.23	8.29	30.00	Pass
	165	5825	-0.45	1.77	6.02	0.23	8.02	30.00	Pass

**Note:**

1. Method 1 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 = 2.8dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 3.3 for duty cycle spectrum plot.



### 802.11ac (VHT40)

TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	142	5710 For U-NII-3	-6.95	-4.73	6.02	0.62	1.91	30.00	Pass
	151	5755	-3.24	-1.02	6.02	0.62	5.62	30.00	Pass
	159	5795	-3.42	-1.20	6.02	0.62	5.44	30.00	Pass
1	142	5710 For U-NII-3	-6.78	-4.56	6.02	0.62	2.08	30.00	Pass
	151	5755	-3.00	-0.78	6.02	0.62	5.86	30.00	Pass
	159	5795	-3.24	-1.02	6.02	0.62	5.62	30.00	Pass
2	142	5710 For U-NII-3	-6.91	-4.69	6.02	0.62	1.95	30.00	Pass
	151	5755	-2.83	-0.61	6.02	0.62	6.03	30.00	Pass
	159	5795	-3.28	-1.06	6.02	0.62	5.58	30.00	Pass
3	142	5710 For U-NII-3	-6.79	-4.57	6.02	0.62	2.07	30.00	Pass
	151	5755	-2.61	-0.39	6.02	0.62	6.25	30.00	Pass
	159	5795	-2.97	-0.75	6.02	0.62	5.89	30.00	Pass

**Note:**

1. Method 1 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 = 2.8dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT80)

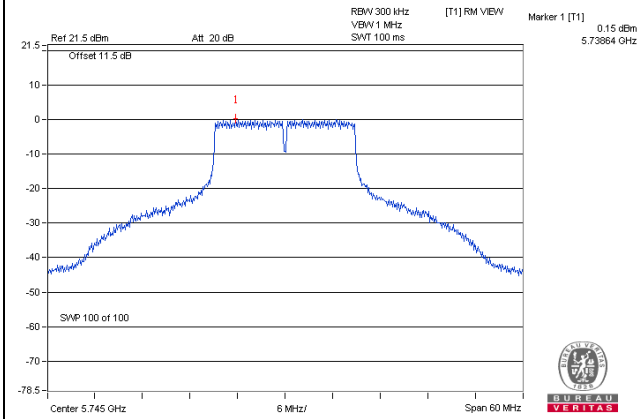
TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	138	5690 For U-NII-3	-8.70	-6.48	6.02	0.75	0.29	30.00	Pass
	155	5775	-7.64	-5.42	6.02	0.75	1.35	30.00	Pass
1	138	5690 For U-NII-3	-9.29	-7.07	6.02	0.75	-0.30	30.00	Pass
	155	5775	-8.47	-6.25	6.02	0.75	0.52	30.00	Pass
2	138	5690 For U-NII-3	-9.72	-7.50	6.02	0.75	-0.73	30.00	Pass
	155	5775	-8.32	-6.10	6.02	0.75	0.67	30.00	Pass
3	138	5690 For U-NII-3	-8.86	-6.64	6.02	0.75	0.13	30.00	Pass
	155	5775	-8.18	-5.96	6.02	0.75	0.81	30.00	Pass

**Note:**

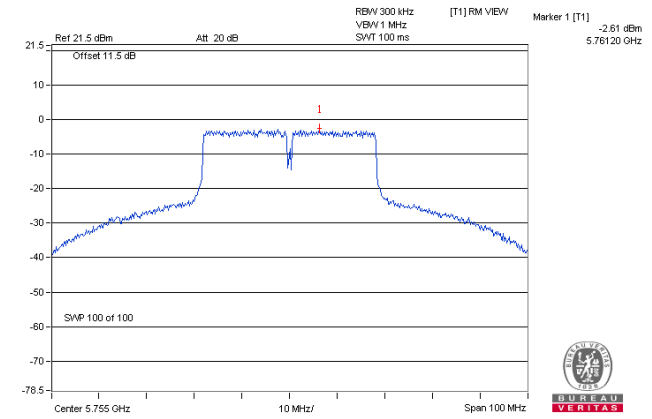
1. Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 2.8dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

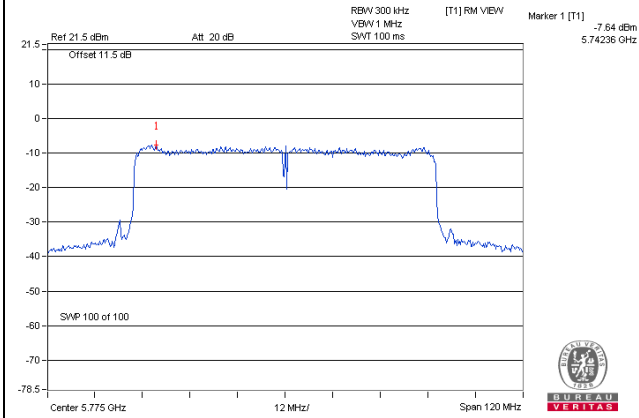
**802.11ac (VHT20)**



**802.11ac (VHT40)**



**802.11ac (VHT80)**



## Beamforming Mode

Mode F

### 802.11ac (VHT20)

TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	144	5720 For U-NII-3	-0.42	1.80	6.02	0.17	7.99	30.00	Pass
	149	5745	-1.11	1.11	6.02	0.17	7.30	30.00	Pass
	157	5785	-1.63	0.59	6.02	0.17	6.78	30.00	Pass
	165	5825	-0.78	1.44	6.02	0.17	7.63	30.00	Pass
1	144	5720 For U-NII-3	-0.39	1.83	6.02	0.17	8.02	30.00	Pass
	149	5745	-0.22	2.00	6.02	0.17	8.19	30.00	Pass
	157	5785	-1.04	1.18	6.02	0.17	7.37	30.00	Pass
	165	5825	-1.13	1.09	6.02	0.17	7.28	30.00	Pass
2	144	5720 For U-NII-3	-0.61	1.61	6.02	0.17	7.80	30.00	Pass
	149	5745	-0.86	1.36	6.02	0.17	7.55	30.00	Pass
	157	5785	-0.68	1.54	6.02	0.17	7.73	30.00	Pass
	165	5825	-1.28	0.94	6.02	0.17	7.13	30.00	Pass
3	144	5720 For U-NII-3	0.29	2.51	6.02	0.17	8.70	30.00	Pass
	149	5745	-0.65	1.57	6.02	0.17	7.76	30.00	Pass
	157	5785	-1.10	1.12	6.02	0.17	7.31	30.00	Pass
	165	5825	-1.49	0.73	6.02	0.17	6.92	30.00	Pass

Note:

1. Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 5.8dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT40)

TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	142	5710 For U-NII-3	-1.74	0.48	6.02	0.50	7.00	30.00	Pass
	151	5755	-2.62	-0.40	6.02	0.50	6.12	30.00	Pass
	159	5795	-3.54	-1.32	6.02	0.50	5.20	30.00	Pass
1	142	5710 For U-NII-3	-2.35	-0.13	6.02	0.50	6.39	30.00	Pass
	151	5755	-3.15	-0.93	6.02	0.50	5.59	30.00	Pass
	159	5795	-3.57	-1.35	6.02	0.50	5.17	30.00	Pass
2	142	5710 For U-NII-3	-2.35	-0.13	6.02	0.50	6.39	30.00	Pass
	151	5755	-3.69	-1.47	6.02	0.50	5.05	30.00	Pass
	159	5795	-4.05	-1.83	6.02	0.50	4.69	30.00	Pass
3	142	5710 For U-NII-3	-1.90	0.32	6.02	0.50	6.84	30.00	Pass
	151	5755	-4.05	-1.83	6.02	0.50	4.69	30.00	Pass
	159	5795	-4.30	-2.08	6.02	0.50	4.44	30.00	Pass

**Note:**

- Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = 5.8dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT80)

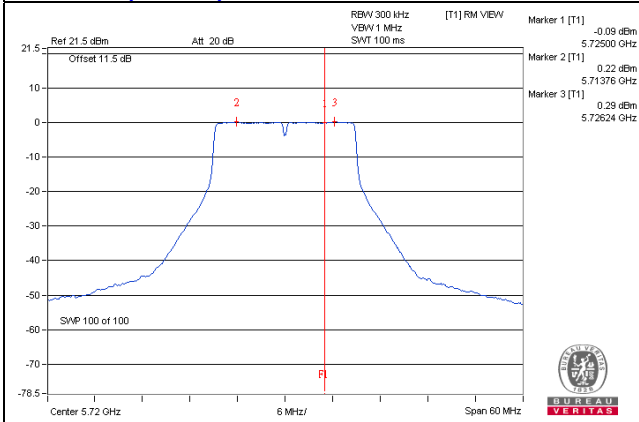
TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	138	5690 For U-NII-3	-2.44	-0.22	6.02	0.95	6.75	30.00	Pass
	155	5775	-0.49	1.73	6.02	0.95	8.70	30.00	Pass
1	138	5690 For U-NII-3	-3.15	-0.93	6.02	0.95	6.04	30.00	Pass
	155	5775	-0.75	1.47	6.02	0.95	8.44	30.00	Pass
2	138	5690 For U-NII-3	-3.37	-1.15	6.02	0.95	5.82	30.00	Pass
	155	5775	-0.86	1.36	6.02	0.95	8.33	30.00	Pass
3	138	5690 For U-NII-3	-3.07	-0.85	6.02	0.95	6.12	30.00	Pass
	155	5775	-0.34	1.88	6.02	0.95	8.85	30.00	Pass

**Note:**

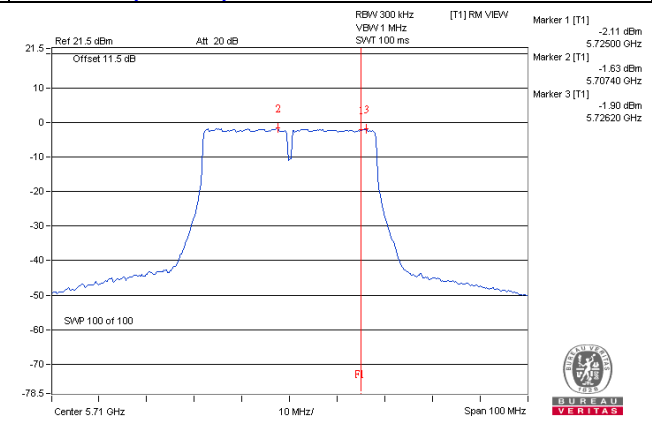
- Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
- Directional gain = 5.8dBi < 6dBi, so the power density limit no need to reduced.
- Refer to section 3.3 for duty cycle spectrum plot.

### Spectrum Plot of Worst Value

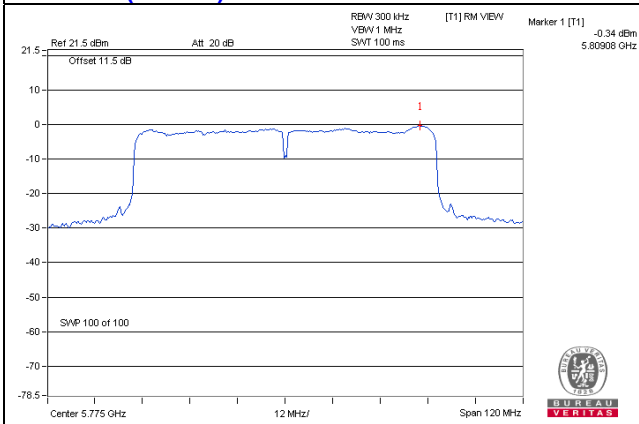
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



## Mode G

## 802.11ac (VHT20)

TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	144	5720 For U-NII-3	-3.75	-1.53	6.02	0.16	4.65	30.00	Pass
	149	5745	-0.30	1.92	6.02	0.16	8.10	30.00	Pass
	157	5785	-0.60	1.62	6.02	0.16	7.80	30.00	Pass
	165	5825	-0.52	1.70	6.02	0.16	7.88	30.00	Pass
1	144	5720 For U-NII-3	-3.30	-1.08	6.02	0.16	5.10	30.00	Pass
	149	5745	0.15	2.37	6.02	0.16	8.55	30.00	Pass
	157	5785	-0.35	1.87	6.02	0.16	8.05	30.00	Pass
	165	5825	-0.63	1.59	6.02	0.16	7.77	30.00	Pass
2	144	5720 For U-NII-3	-3.79	-1.57	6.02	0.16	4.61	30.00	Pass
	149	5745	-0.44	1.78	6.02	0.16	7.96	30.00	Pass
	157	5785	-0.45	1.77	6.02	0.16	7.95	30.00	Pass
	165	5825	-0.47	1.75	6.02	0.16	7.93	30.00	Pass
3	144	5720 For U-NII-3	-3.62	-1.40	6.02	0.16	4.78	30.00	Pass
	149	5745	-0.03	2.19	6.02	0.16	8.37	30.00	Pass
	157	5785	-0.18	2.04	6.02	0.16	8.22	30.00	Pass
	165	5825	-0.45	1.77	6.02	0.16	7.95	30.00	Pass

## Note:

1. Method 1 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 = 4dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT40)

TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	142	5710 For U-NII-3	-6.95	-4.73	6.02	0.62	1.91	30.00	Pass
	151	5755	-3.24	-1.02	6.02	0.62	5.62	30.00	Pass
	159	5795	-3.42	-1.20	6.02	0.62	5.44	30.00	Pass
1	142	5710 For U-NII-3	-6.78	-4.56	6.02	0.62	2.08	30.00	Pass
	151	5755	-3.00	-0.78	6.02	0.62	5.86	30.00	Pass
	159	5795	-3.24	-1.02	6.02	0.62	5.62	30.00	Pass
2	142	5710 For U-NII-3	-6.91	-4.69	6.02	0.62	1.95	30.00	Pass
	151	5755	-2.83	-0.61	6.02	0.62	6.03	30.00	Pass
	159	5795	-3.28	-1.06	6.02	0.62	5.58	30.00	Pass
3	142	5710 For U-NII-3	-6.79	-4.57	6.02	0.62	2.07	30.00	Pass
	151	5755	-2.61	-0.39	6.02	0.62	6.25	30.00	Pass
	159	5795	-2.97	-0.75	6.02	0.62	5.89	30.00	Pass

**Note:**

1. Method 1 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 = 4dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 3.3 for duty cycle spectrum plot.

### 802.11ac (VHT80)

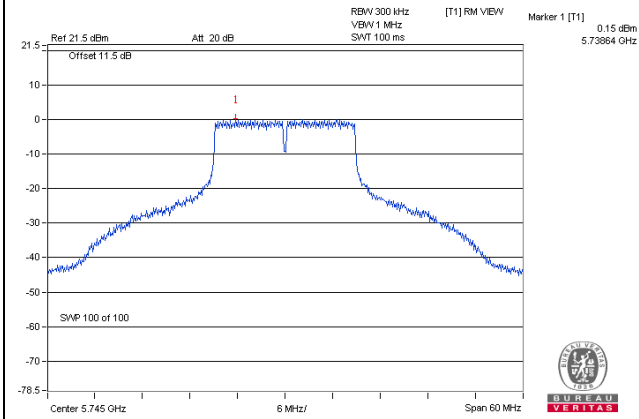
TX chain	Chan.	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
0	138	5690 For U-NII-3	-8.70	-6.48	6.02	0.75	0.29	30.00	Pass
	155	5775	-7.08	-4.86	6.02	0.75	1.91	30.00	Pass
1	138	5690 For U-NII-3	-9.29	-7.07	6.02	0.75	-0.30	30.00	Pass
	155	5775	-7.72	-5.50	6.02	0.75	1.27	30.00	Pass
2	138	5690 For U-NII-3	-9.72	-7.50	6.02	0.75	-0.73	30.00	Pass
	155	5775	-7.36	-5.14	6.02	0.75	1.63	30.00	Pass
3	138	5690 For U-NII-3	-8.86	-6.64	6.02	0.75	0.13	30.00	Pass
	155	5775	-7.28	-5.06	6.02	0.75	1.71	30.00	Pass

**Note:**

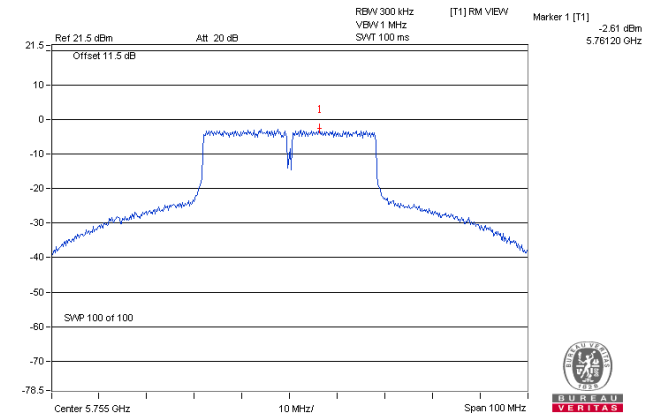
1. Method 1 of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 4dBi < 6dBi, so the power density limit no need to reduced.
3. Refer to section 3.3 for duty cycle spectrum plot.

Spectrum Plot of Worst Value

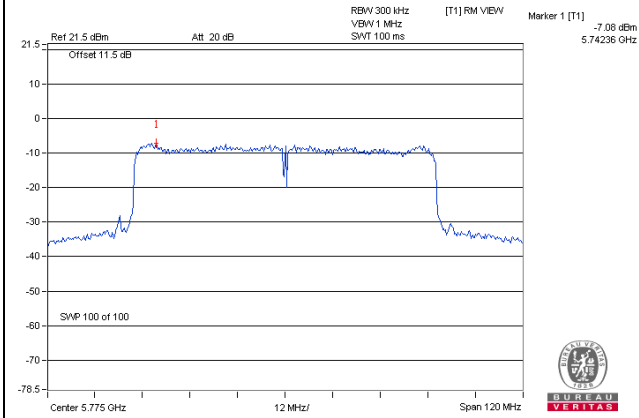
**802.11ac (VHT20)**



**802.11ac (VHT40)**



**802.11ac (VHT80)**



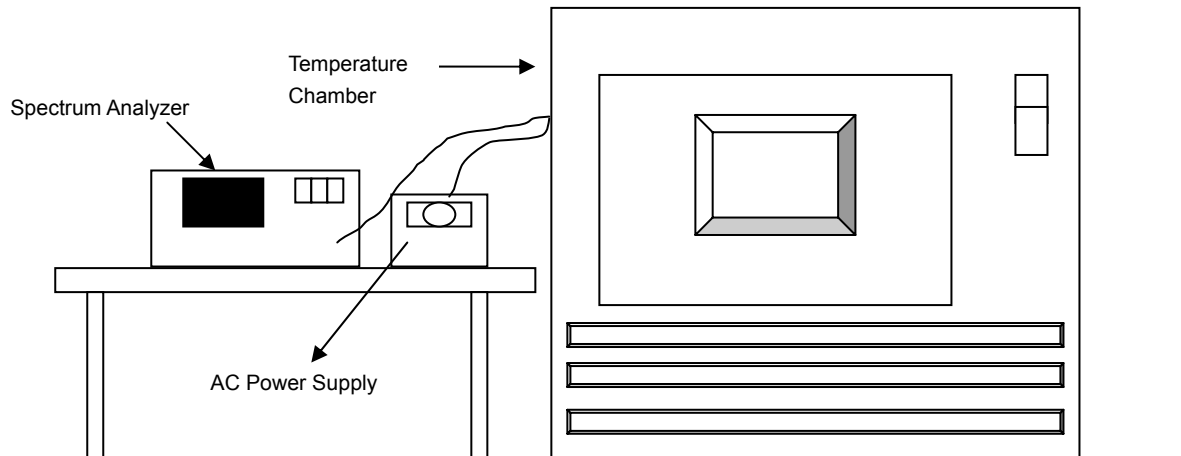


## 4.5 Frequency Stability

### 4.5.1 Limits of Frequency Stability Measurement

The frequency of the carrier signal shall be maintained within band of operation

### 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 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.

### 4.5.5 Deviation from Test Standard

No deviation.

### 4.5.6 EUT Operating Condition

Set the EUT transmit at un-modulation mode to test frequency stability.

#### 4.5.7 Test Results

##### Mode F

Frequency Stability Versus Temp.									
Operating Frequency: 51800MHz									
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	5179.9785	-0.00042	5179.9767	-0.00045	5179.9777	-0.00043	5179.9756	-0.00047
40	120	5180.0191	0.00037	5180.0209	0.00040	5180.0174	0.00034	5180.022	0.00042
30	120	5180.0187	0.00036	5180.0174	0.00034	5180.0165	0.00032	5180.0188	0.00036
20	120	5179.9826	-0.00034	5179.9787	-0.00041	5179.98	-0.00039	5179.9782	-0.00042
10	120	5180.0065	0.00013	5180.0043	0.00008	5180.004	0.00008	5180.0079	0.00015
0	120	5180.0199	0.00038	5180.0224	0.00043	5180.0241	0.00047	5180.0224	0.00043
-10	120	5180.0146	0.00028	5180.0141	0.00027	5180.0131	0.00025	5180.0146	0.00028
-20	120	5180.0251	0.00048	5180.0248	0.00048	5180.0242	0.00047	5180.0228	0.00044
-30	120	5180.0066	0.00013	5180.0079	0.00015	5180.0074	0.00014	5180.0071	0.00014

Frequency Stability Versus Voltage									
Operating Frequency: 5180MHz									
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	5179.9826	-0.00034	5179.9788	-0.00041	5179.9797	-0.00039	5179.9788	-0.00041
	120	5179.9826	-0.00034	5179.9787	-0.00041	5179.98	-0.00039	5179.9782	-0.00042
	102	5179.9816	-0.00036	5179.979	-0.00041	5179.9795	-0.00040	5179.978	-0.00042

Mode G

Frequency Stability Versus Temp.									
Operating Frequency: 51800MHz									
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	5179.9765	-0.00045	5179.9767	-0.00045	5179.9779	-0.00043	5179.9777	-0.00043
40	120	5179.9787	-0.00041	5179.9776	-0.00043	5179.9746	-0.00049	5179.976	-0.00046
30	120	5180.0256	0.00049	5180.0237	0.00046	5180.0232	0.00045	5180.0241	0.00047
20	120	5180.0121	0.00023	5180.0153	0.00030	5180.0159	0.00031	5180.0121	0.00023
10	120	5179.978	-0.00042	5179.9806	-0.00037	5179.9776	-0.00043	5179.9813	-0.00036
0	120	5180.003	0.00006	5180.002	0.00004	5180.0008	0.00002	5180.0012	0.00002
-10	120	5180.0245	0.00047	5180.0224	0.00043	5180.0246	0.00047	5180.0264	0.00051
-20	120	5179.9969	-0.00006	5179.9976	-0.00005	5179.9934	-0.00013	5179.9935	-0.00013
-30	120	5180.0254	0.00049	5180.0278	0.00054	5180.025	0.00048	5180.0234	0.00045

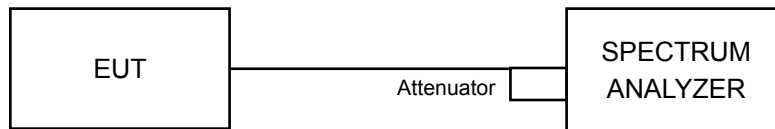
Frequency Stability Versus Voltage									
Operating Frequency: 5180MHz									
Temp. (°C)	Power Supply (Vac)	0 Minute		2 Minute		5 Minute		10 Minute	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5180.0126	0.00024	5180.0161	0.00031	5180.0149	0.00029	5180.0123	0.00024
	120	5180.0121	0.00023	5180.0153	0.00030	5180.0159	0.00031	5180.0121	0.00023
	102	5180.0127	0.00025	5180.0156	0.00030	5180.0168	0.00032	5180.0118	0.00023

## 4.6 6dB Bandwidth Measurement

### 4.6.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

### 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

#### 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

### 4.6.5 Deviation from Test Standard

No deviation.

### 4.6.6 EUT Operating Condition

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

#### 4.6.7 Test Results

CDD Mode

Mode F

##### 802.11ac (VHT20)

Channel	Frequency (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	3.77	3.78	3.80	0.5	Pass
149	5745	17.60	17.60	17.63	17.62	0.5	Pass
157	5785	17.63	17.64	17.66	17.64	0.5	Pass
165	5825	17.64	17.64	17.66	17.66	0.5	Pass

##### 802.11ac (VHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 For U-NII-3	3.11	3.11	3.15	3.14	0.5	Pass
151	5755	36.41	35.80	35.81	36.04	0.5	Pass
159	5795	36.43	35.87	36.37	36.32	0.5	Pass

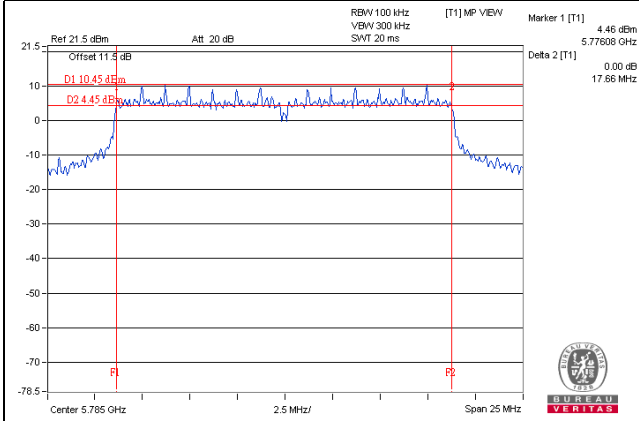
##### 802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 For U-NII-3	2.70	2.66	2.71	2.70	0.5	Pass
155	5775	75.36	75.47	75.52	75.40	0.5	Pass

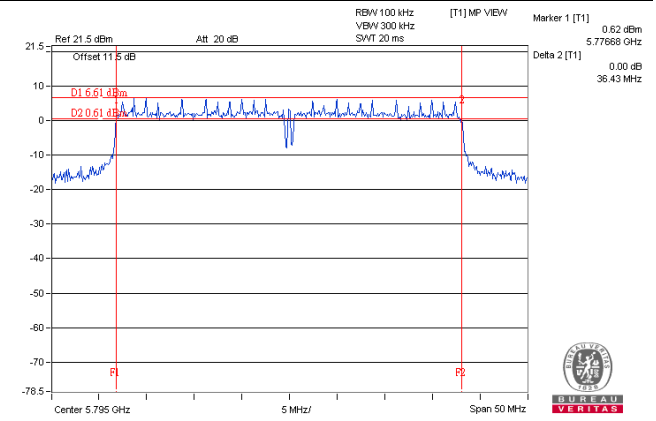


### Spectrum Plot of Worst Value

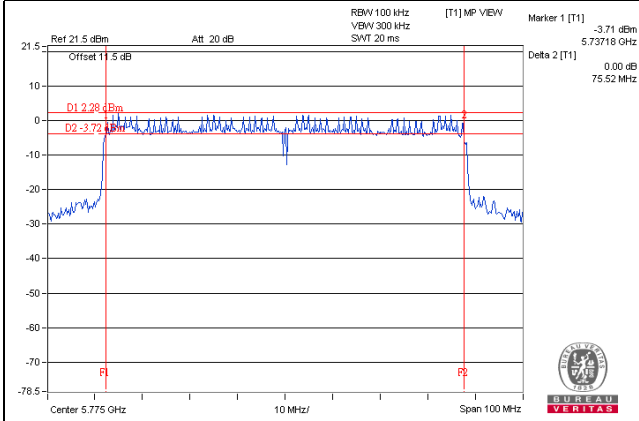
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



**Mode G**
**802.11ac (VHT20)**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.75	3.76	3.77	3.76	0.5	Pass
149	5745	17.59	17.61	17.62	17.63	0.5	Pass
157	5785	17.64	17.64	17.66	17.66	0.5	Pass
165	5825	17.64	17.64	17.66	17.67	0.5	Pass

**802.11ac (VHT40)**

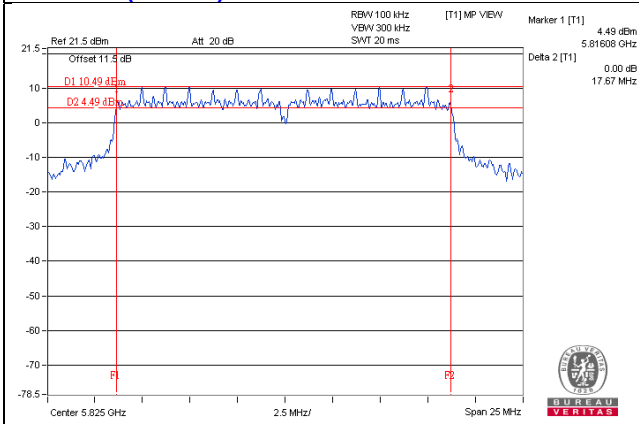
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 For U-NII-3	3.11	3.16	3.15	3.11	0.5	Pass
151	5755	36.42	36.43	36.35	36.37	0.5	Pass
159	5795	36.14	36.45	36.42	36.39	0.5	Pass

**802.11ac (VHT80)**

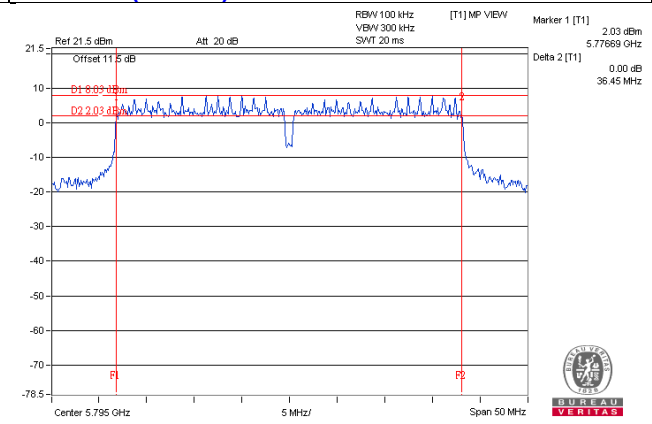
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 For U-NII-3	2.71	2.70	2.72	2.71	0.5	Pass
155	5775	75.40	75.47	75.41	75.41	0.5	Pass

### Spectrum Plot of Worst Value

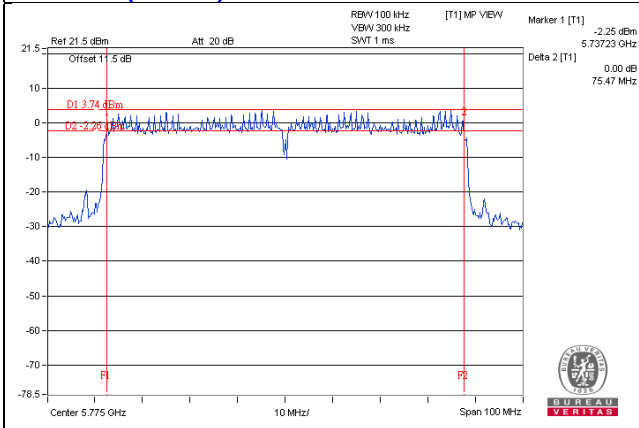
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)





Beamforming Mode

Mode F

802.11ac (VHT20)

Channel	Frequency (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	3.77	3.78	3.80	0.5	Pass
149	5745	17.60	17.60	17.63	17.62	0.5	Pass
157	5785	17.63	17.64	17.66	17.64	0.5	Pass
165	5825	17.64	17.64	17.66	17.66	0.5	Pass

802.11ac (VHT40)

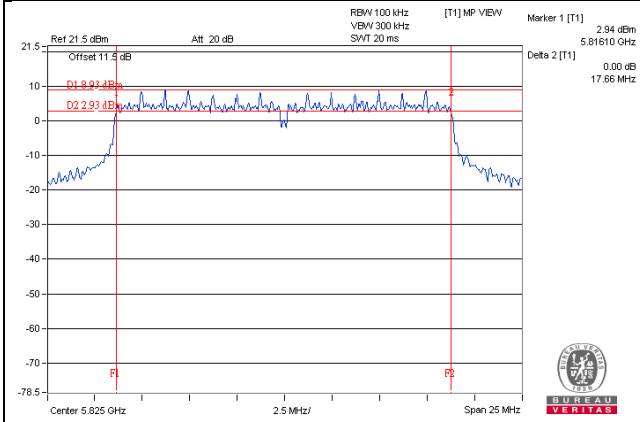
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 For U-NII-3	3.11	3.11	3.15	3.14	0.5	Pass
151	5755	36.41	35.80	35.81	36.04	0.5	Pass
159	5795	36.43	35.87	36.37	36.32	0.5	Pass

802.11ac (VHT80)

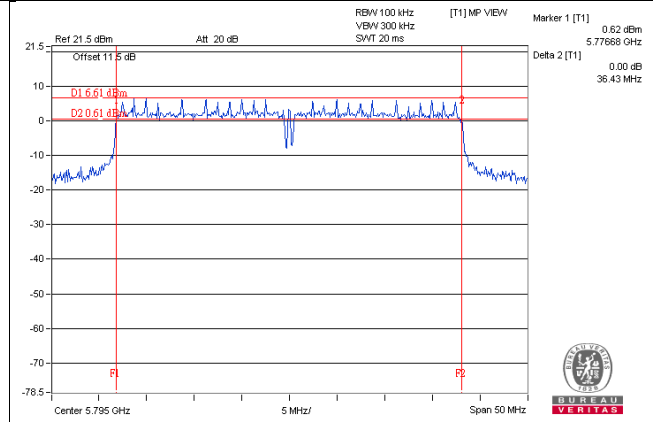
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 For U-NII-3	2.70	2.66	2.71	2.70	0.5	Pass
155	5775	75.46	75.36	75.44	75.37	0.5	Pass

### Spectrum Plot of Worst Value

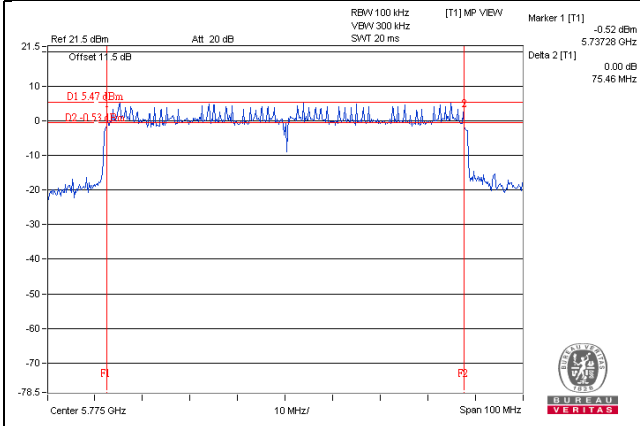
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



**Mode G**
**802.11ac (VHT20)**

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 For U-NII-3	3.75	3.76	3.77	3.76	0.5	Pass
149	5745	17.59	17.61	17.62	17.63	0.5	Pass
157	5785	17.64	17.64	17.66	17.66	0.5	Pass
165	5825	17.64	17.64	17.66	17.67	0.5	Pass

**802.11ac (VHT40)**

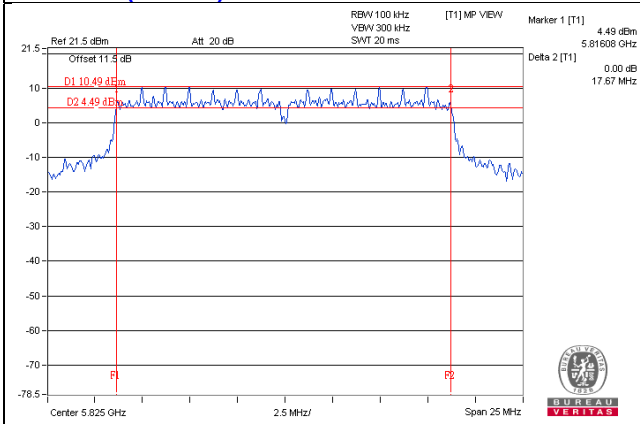
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 For U-NII-3	3.11	3.16	3.15	3.11	0.5	Pass
151	5755	36.42	36.43	36.35	36.37	0.5	Pass
159	5795	36.14	36.45	36.42	36.39	0.5	Pass

**802.11ac (VHT80)**

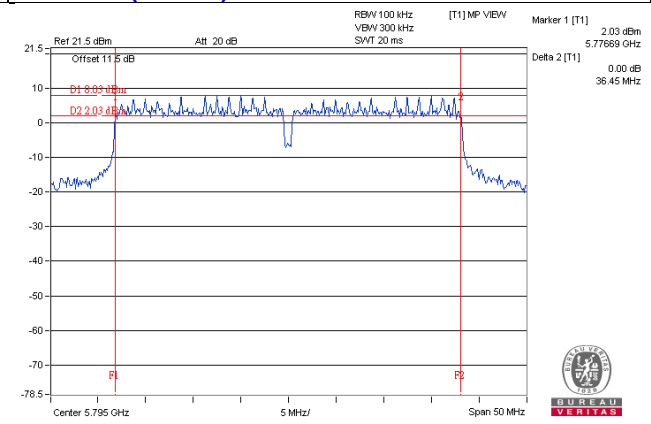
Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 For U-NII-3	2.71	2.70	2.72	2.71	0.5	Pass
155	5775	75.35	75.35	75.37	75.37	0.5	Pass

### Spectrum Plot of Worst Value

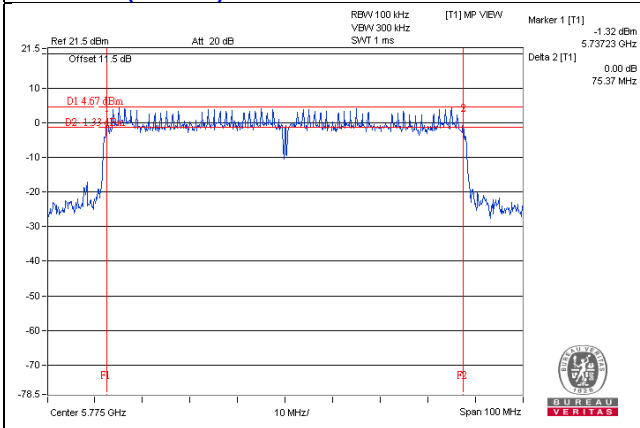
#### 802.11ac (VHT20)



#### 802.11ac (VHT40)



#### 802.11ac (VHT80)



## 5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

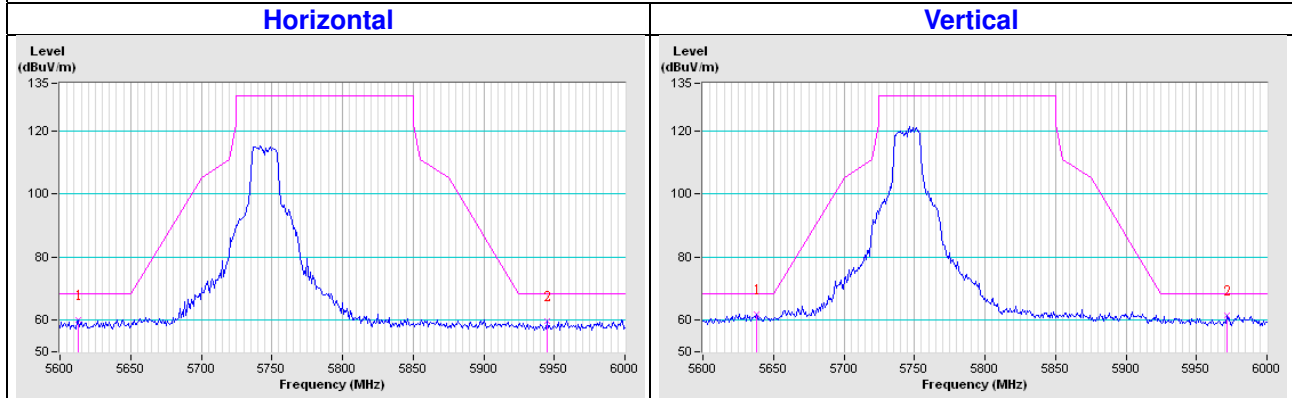
### Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)

CDD Mode

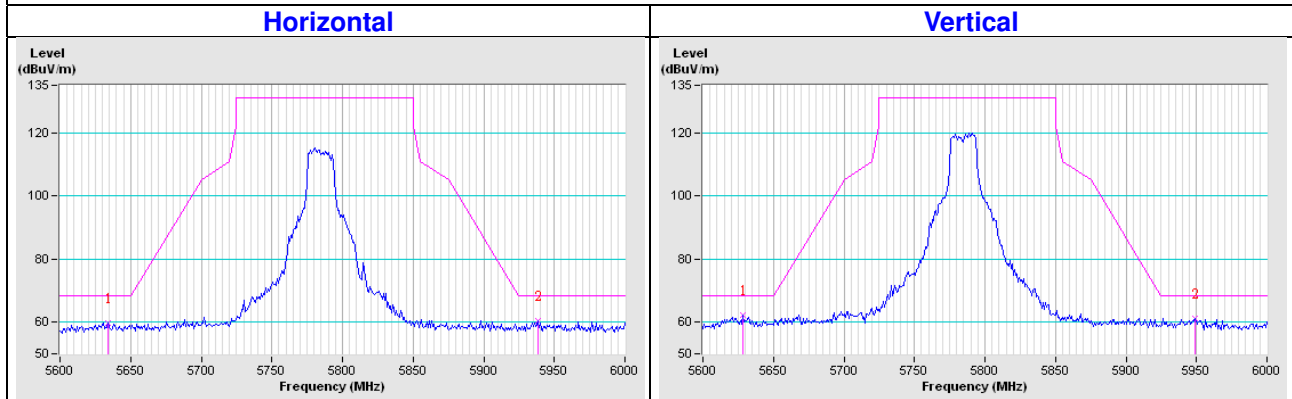
Mode F

802.11ac (VHT20)

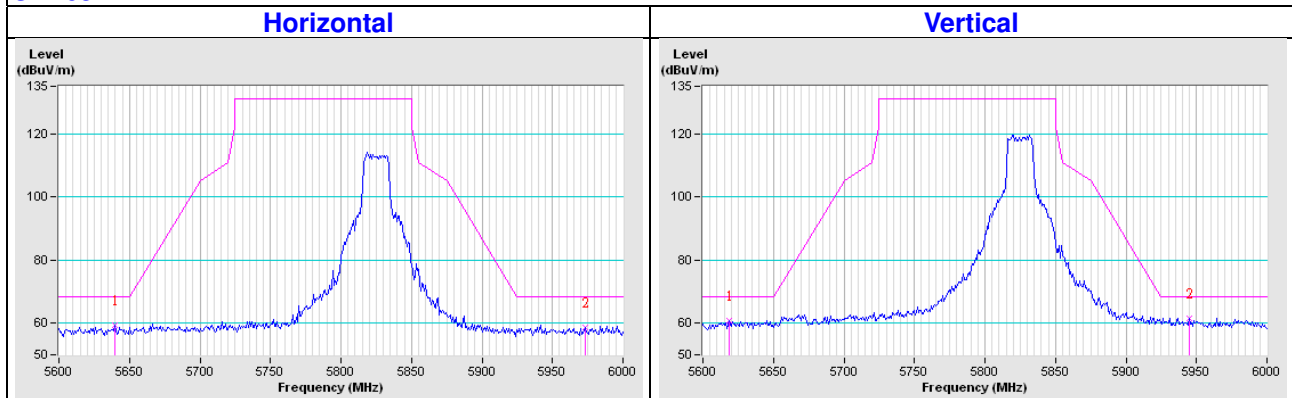
**CH149**



**CH157**



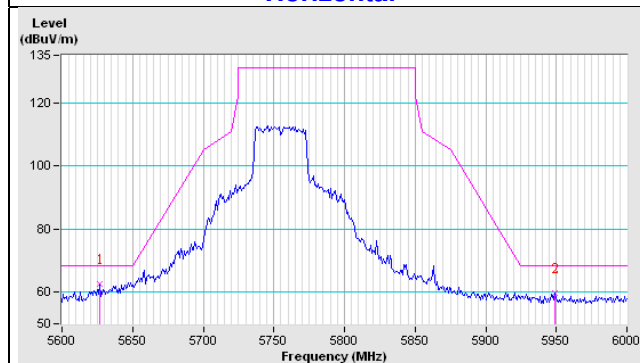
**CH165**



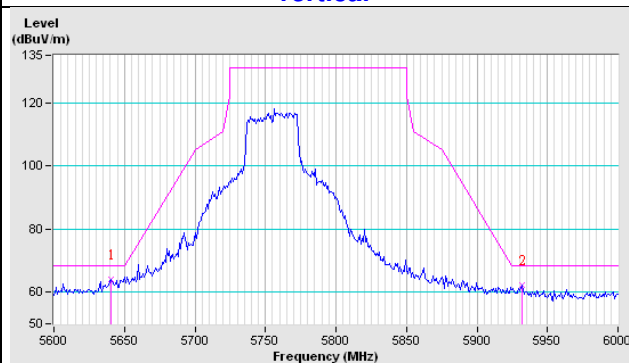
### 802.11ac (VHT40)

#### CH151

**Horizontal**

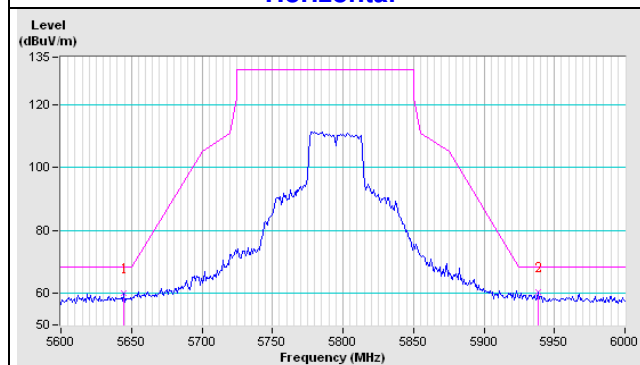


**Vertical**

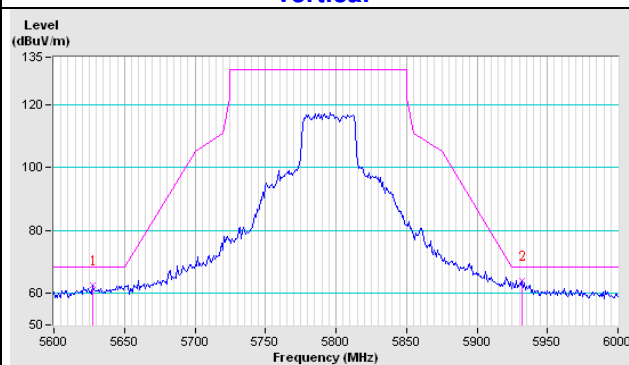


#### CH159

**Horizontal**



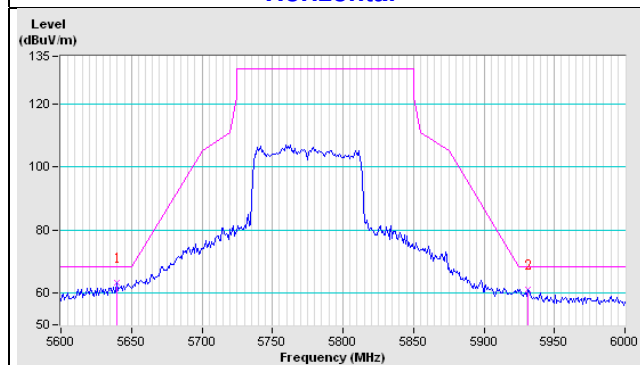
**Vertical**



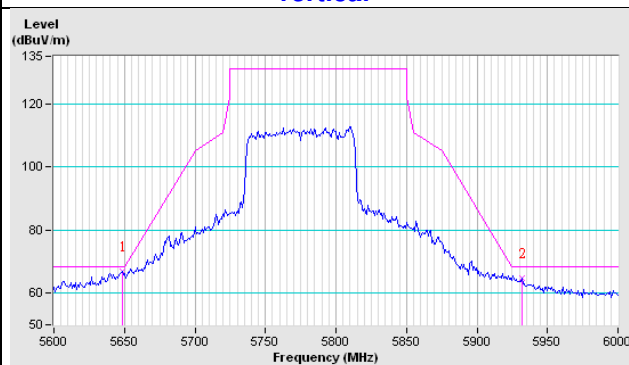
### 802.11ac (VHT80)

#### CH155

**Horizontal**



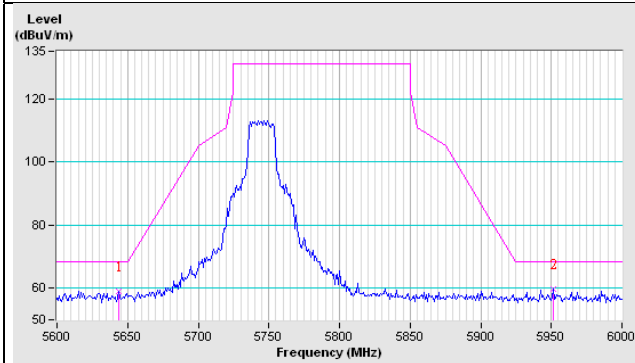
**Vertical**



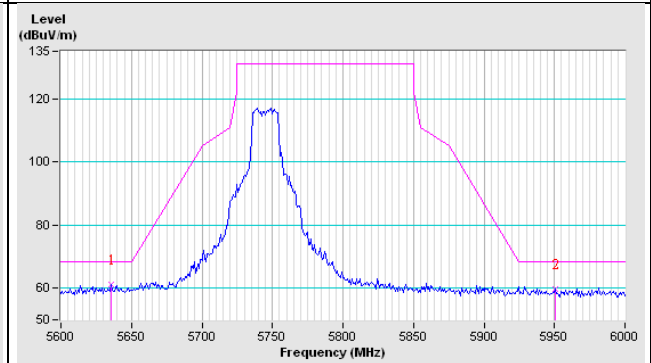
Mode G  
802.11ac (VHT20)

CH149

Horizontal

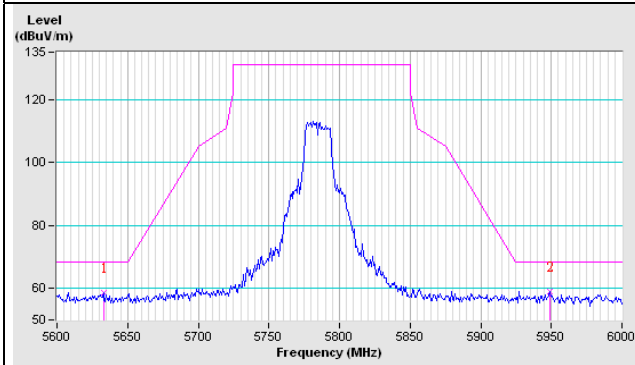


Vertical

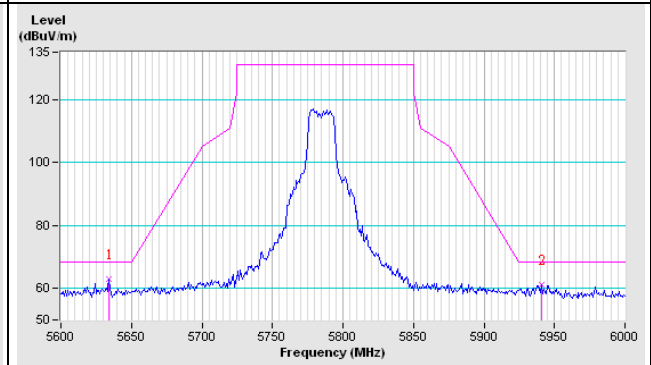


CH157

Horizontal

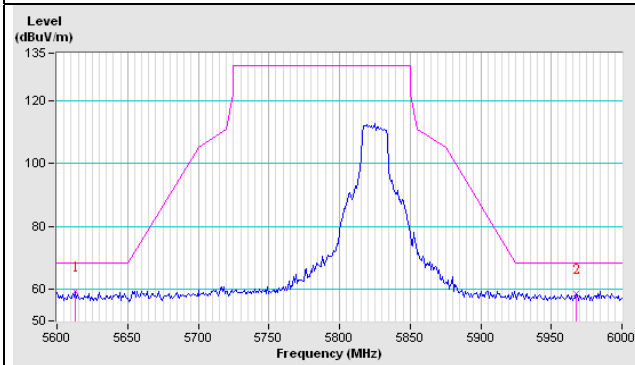


Vertical

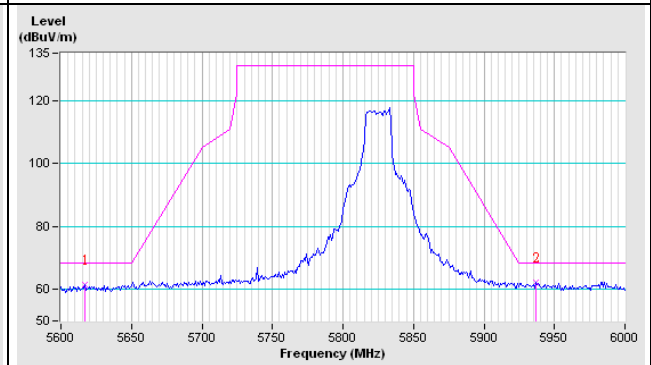


CH165

Horizontal



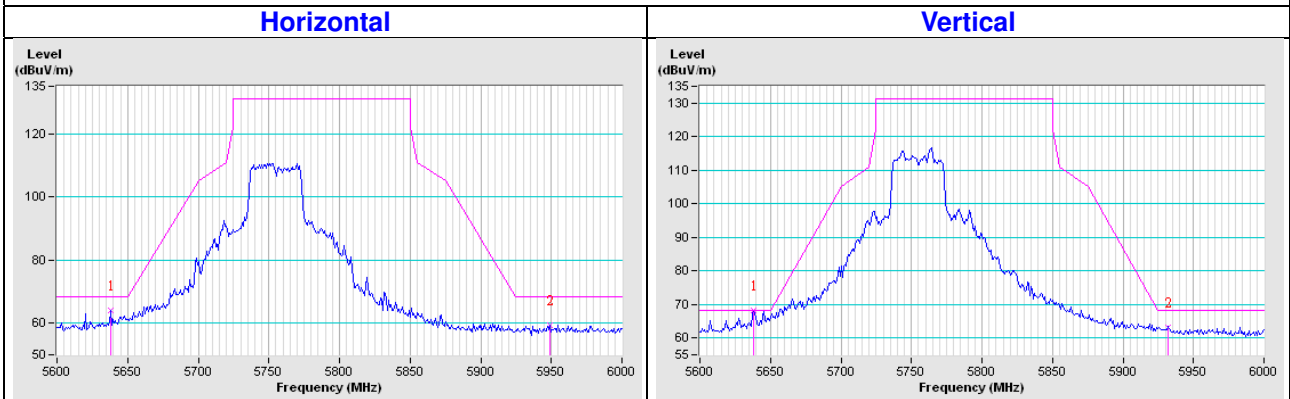
Vertical



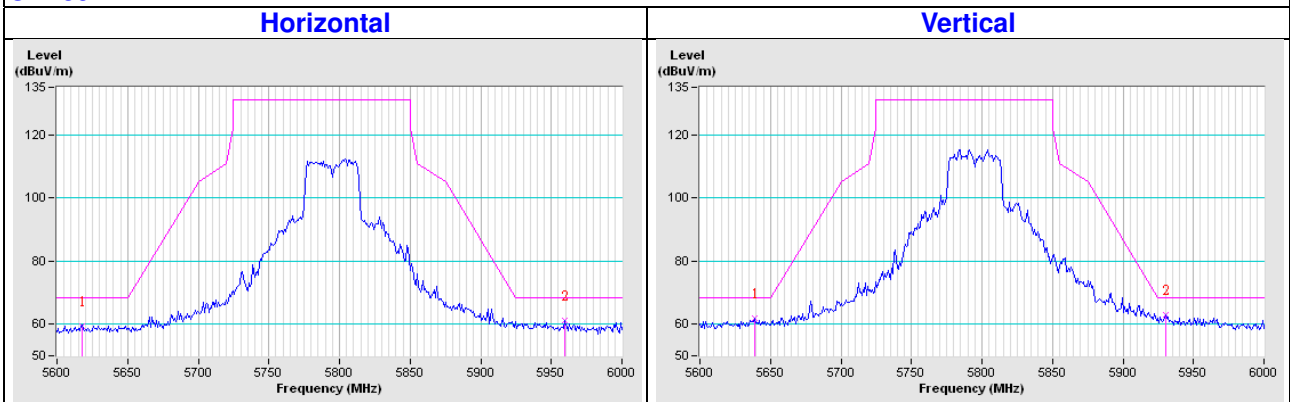


### 802.11ac (VHT40)

#### CH151

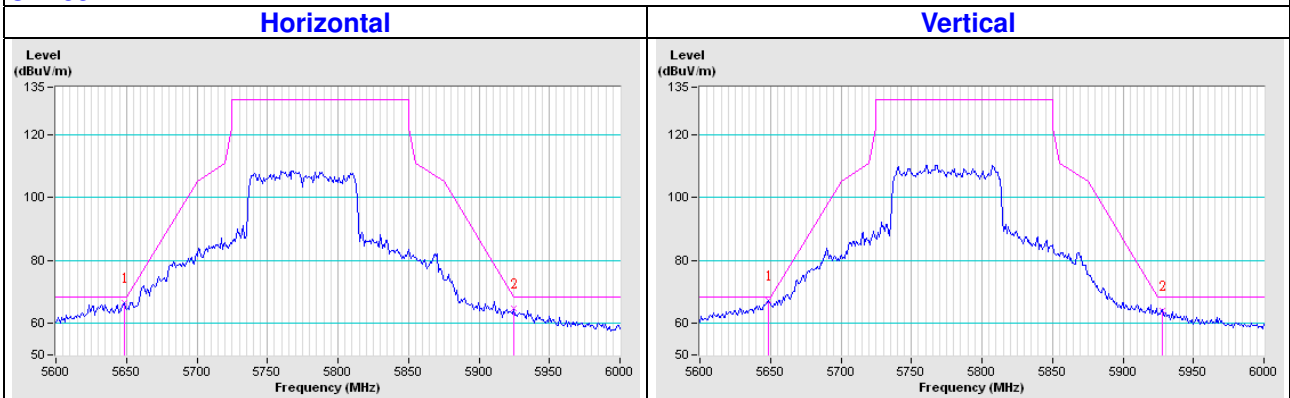


#### CH159



### 802.11ac (VHT80)

#### CH155

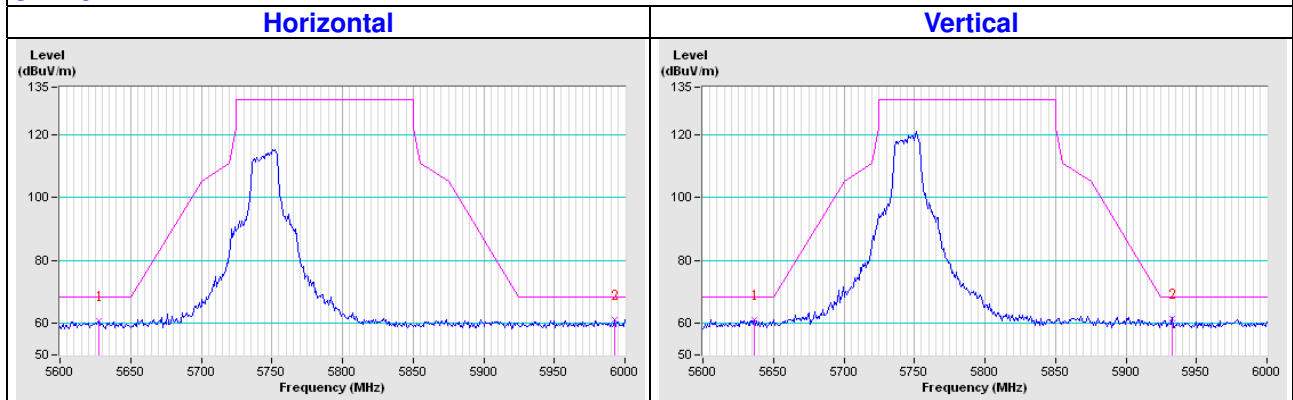


Beamforming Mode

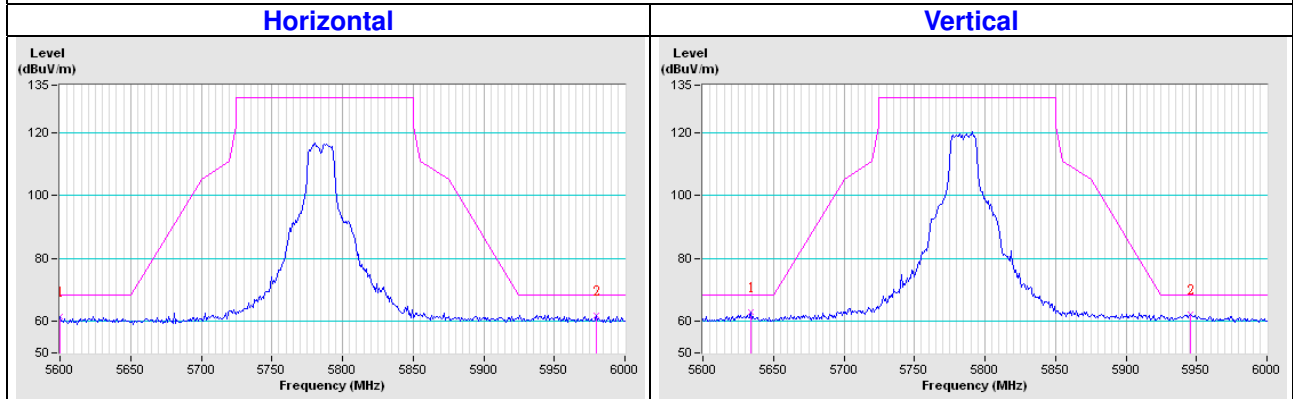
Mode F

802.11ac (VHT20)

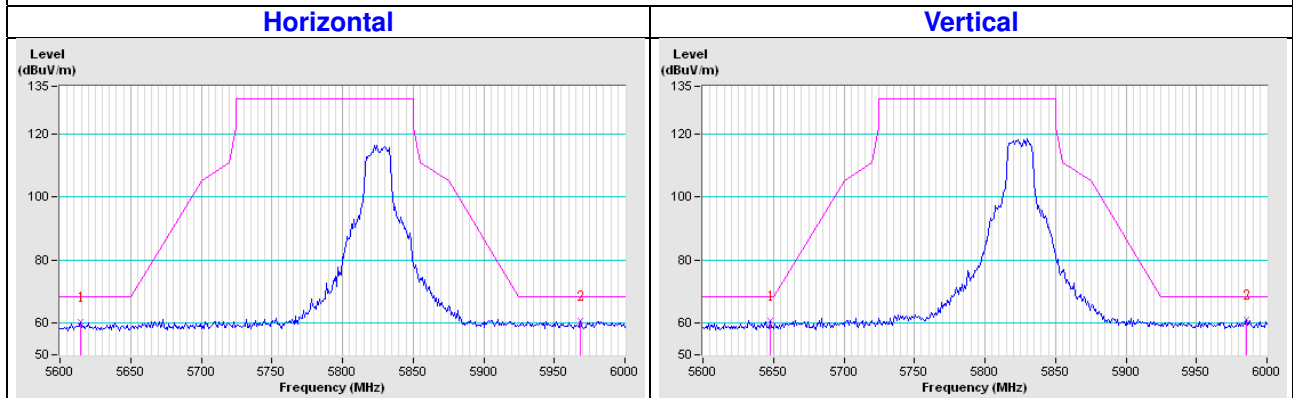
CH149



CH157

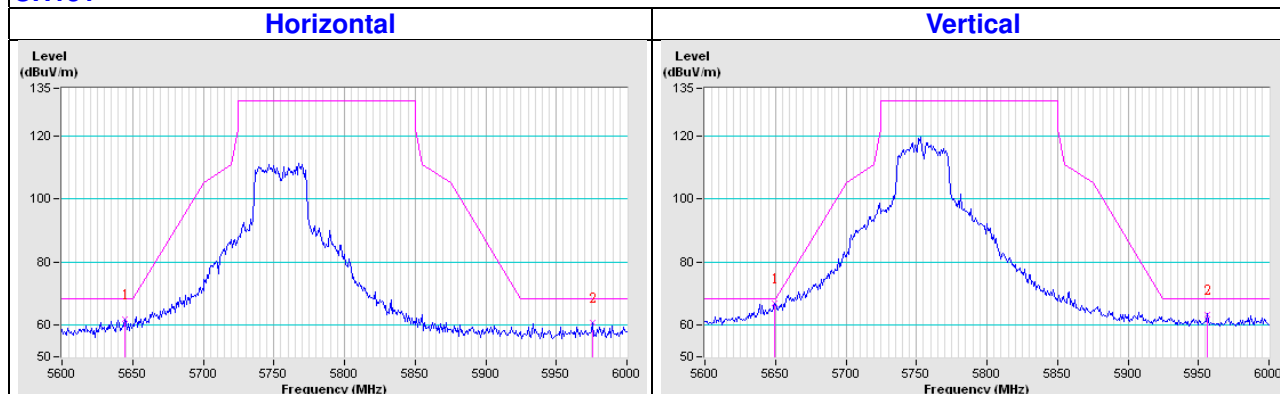


CH165

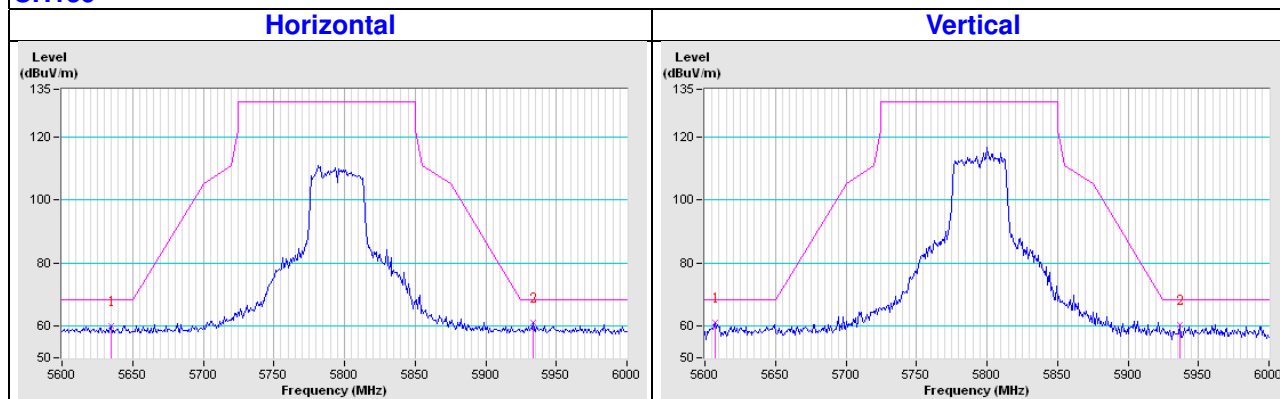


### 802.11ac (VHT40)

#### CH151

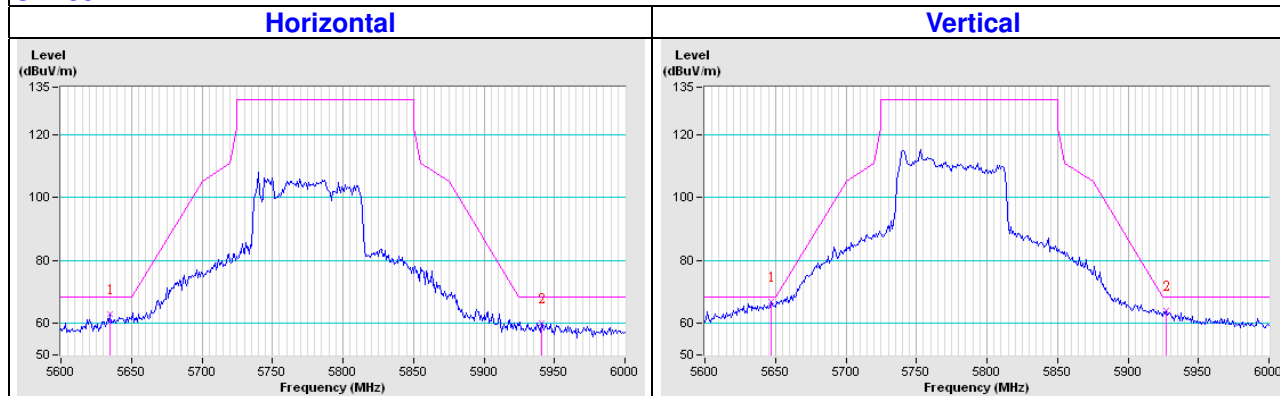


#### CH159



### 802.11ac (VHT80)

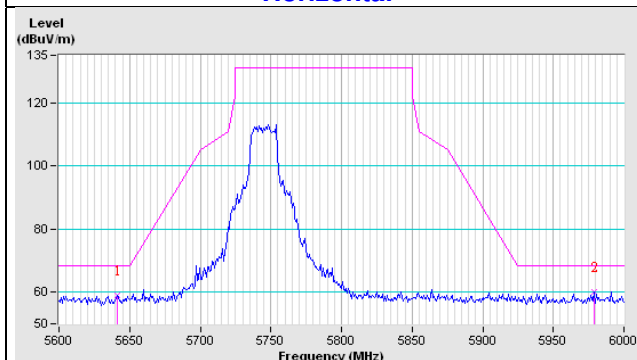
#### CH155



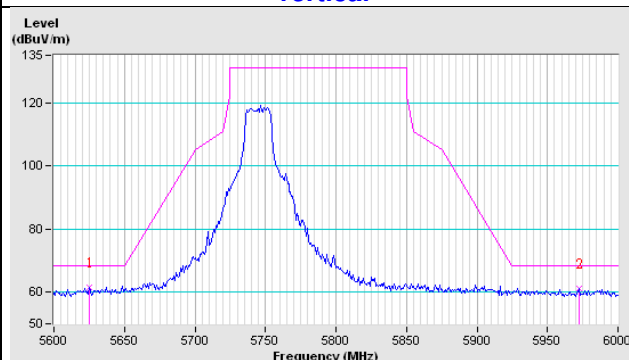
Mode G  
802.11ac (VHT20)

CH149

Horizontal

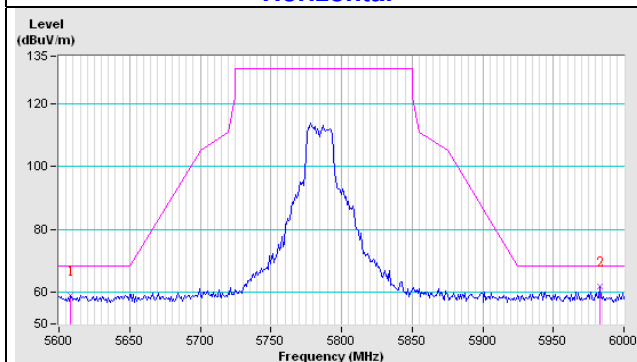


Vertical

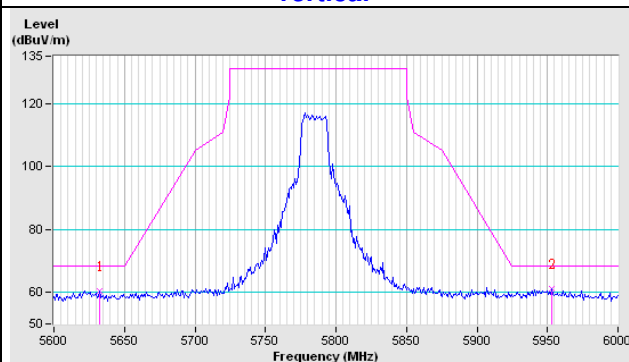


CH157

Horizontal

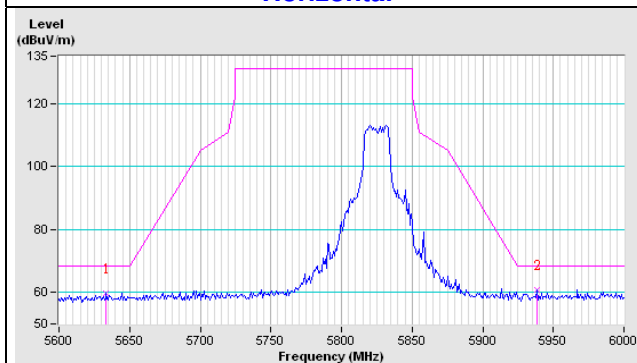


Vertical

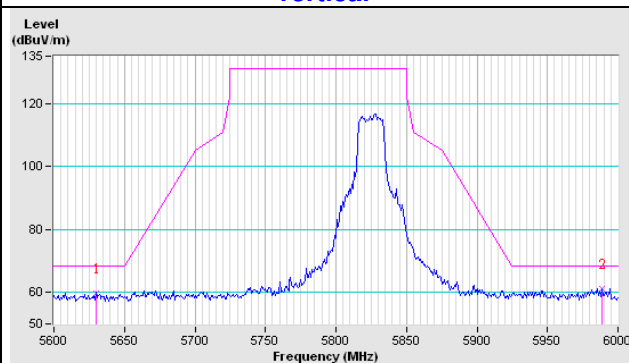


CH165

Horizontal

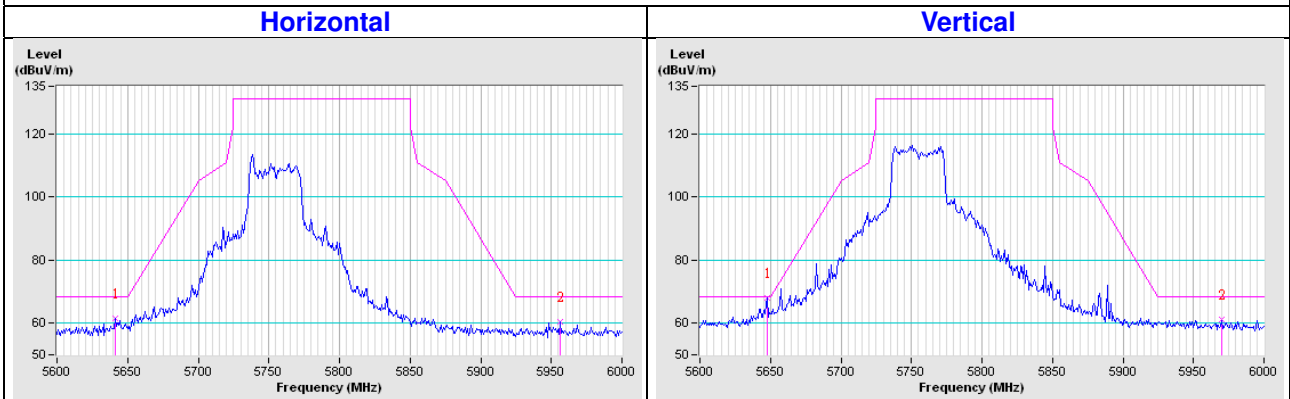


Vertical

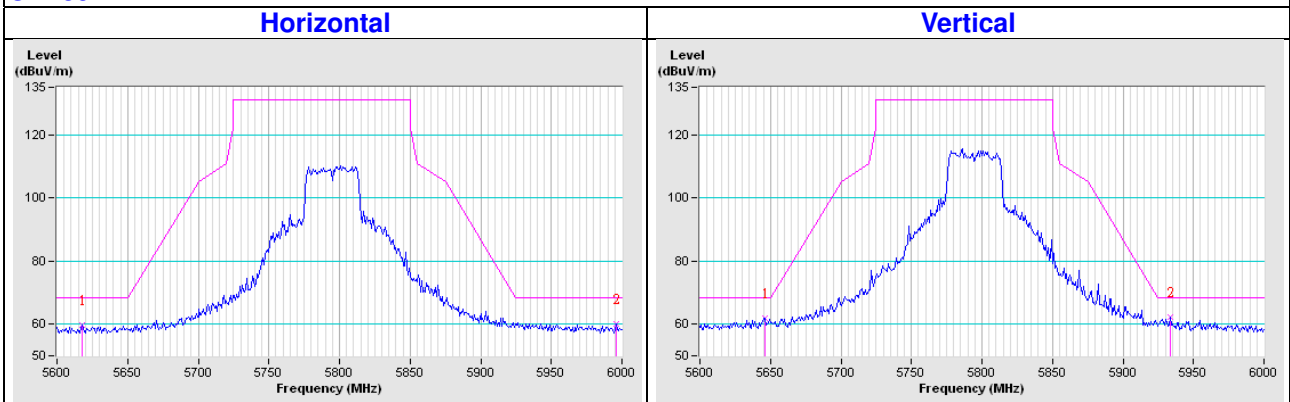


### 802.11ac (VHT40)

#### CH151

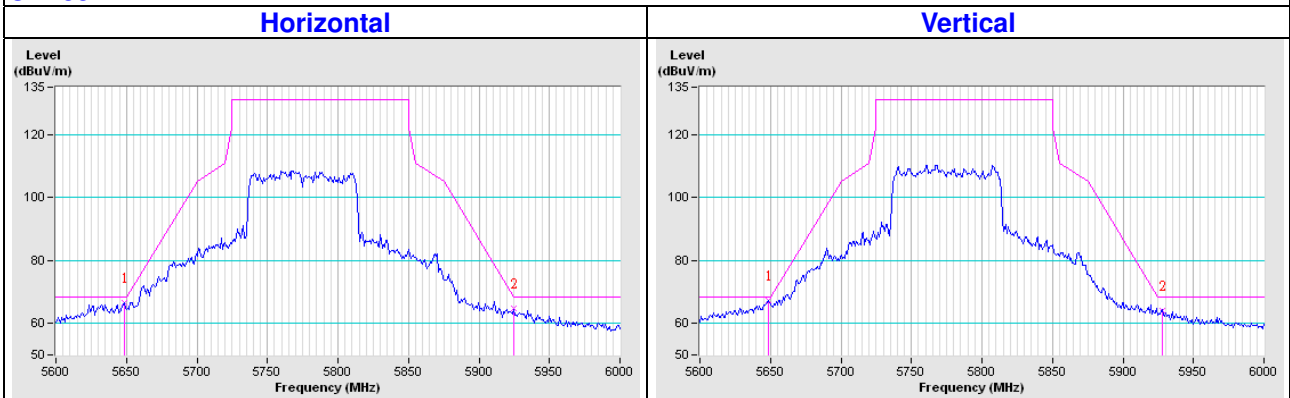


#### CH159



### 802.11ac (VHT80)

#### CH155



## 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 accredited and approved according to ISO/IEC 17025.

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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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