

FCC Test Report (WLAN)

Report No.: RF150126E05K-1

FCC ID: TLZ-CM2XXNF

Test Model: AW-CM195NF

Series Model: AW-CM217NF, AW-CM235NF, AW-CM240NF

Received Date: Aug. 17, 2018

Test Date: Oct. 02 to 31, 2018

Issued Date: Nov. 06, 2018

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**FCC Registration /
Designation Number:** 723255 / TW2022



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Table of Contents

Release Control Record	4
1 Certificate of Conformity.....	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	6
2.2 Modification Record	6
3 General Information.....	7
3.1 General Description of EUT (WLAN)	7
3.2 Description of Test Modes	11
3.2.1 Test Mode Applicability and Tested Channel Detail	13
3.3 Duty Cycle of Test Signal	15
3.4 Description of Support Units	16
3.4.1 Configuration of System under Test	17
3.5 General Description of Applied Standard	18
4 Test Types and Results	19
4.1 Radiated Emission and Bandedge Measurement.....	19
4.1.1 Limits of Radiated Emission and Bandedge Measurement	19
4.1.2 Test Instruments	20
4.1.3 Test Procedure	21
4.1.4 Deviation from Test Standard	22
4.1.5 Test Setup.....	22
4.1.6 EUT Operating Condition	23
4.1.7 Test Results (PIFA Antenna).....	24
4.1.8 Test Results (Dipole Antenna)	62
4.2 Transmit Power Measurement	102
4.2.1 Limits of Transmit Power Measurement	102
4.2.2 Test Setup.....	103
4.2.3 Test Instruments	103
4.2.4 Test Procedure	103
4.2.5 Deviation from Test Standard	103
4.2.6 EUT Operating Condition	103
4.2.7 Test Results	104
4.3 Occupied Bandwidth Measurement	110
4.3.1 Test Setup.....	110
4.3.2 Test Instruments	110
4.3.3 Test Procedure	110
4.3.4 Test Results	111
4.4 Peak Power Spectral Density Measurement	116
4.4.1 Limits of Peak Power Spectral Density Measurement	116
4.4.2 Test Setup.....	116
4.4.3 Test Instruments	116
4.4.4 Test Procedure	117
4.4.5 Deviation from Test Standard	117
4.4.6 EUT Operating Condition	117
4.4.7 Test Results	118
4.5 6dB Bandwidth Measurement	120
4.5.1 Limits of 6dB Bandwidth Measurement.....	120
4.5.2 Test Setup.....	120
4.5.3 Test Instruments	120
4.5.4 Test Procedure	120
4.5.5 Deviation from Test Standard	120
4.5.6 EUT Operating Condition	120
4.5.7 Test Results	121

5	Pictures of Test Arrangements.....	123
	Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)	124
	Appendix – Information on the Testing Laboratories	130

Release Control Record

Issue No.	Description	Date Issued
RF150126E05K-1	Original release.	Nov. 06, 2018

1 Certificate of Conformity

Product: IEEE 802.11 a/b/g/n/ac Wireless LAN and Bluetooth M.2 Combo Module

Brand: AzureWave

Test Model: AW-CM195NF

Series Model: AW-CM217NF, AW-CM235NF, AW-CM240NF

Sample Status: ENGINEERING SAMPLE

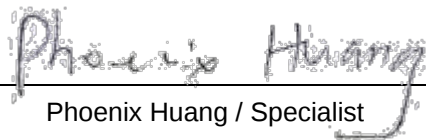
Applicant: AzureWave Technologies, Inc.

Test Date: Oct. 02 to 31, 2018

Standard: 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.

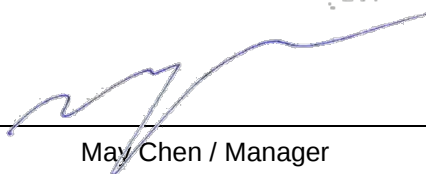
Prepared by :


Phoenix Huang / Specialist

Date:

Nov. 06, 2018

Approved by :


May Chen / Manager

Date:

Nov. 06, 2018

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
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 5150.00MHz, 5350.00MHz, 5460.00MHz, 5470.00MHz and 5725.00MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.
---	Occupied Bandwidth Measurement	-	Reference only.
15.407(a)(1/2/3)	Peak Power Spectral Density	Pass	Meet the requirement of limit.
15.407(e)	6dB bandwidth	Pass	Meet the requirement of limit. (U-NII-3 Band only)

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

2.1 Measurement Uncertainty

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

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Radiated Emissions up to 1 GHz	30MHz ~ 1GHz	5.33 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	5.10 dB
	6GHz ~ 18GHz	4.85 dB
	18GHz ~ 40GHz	5.24 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT (WLAN)

Product	IEEE 802.11 a/b/g/n/ac Wireless LAN and Bluetooth M.2 Combo Module
Brand	AzureWave
Test Model	AW-CM195NF
Series Model	AW-CM217NF, AW-CM235NF, AW-CM240NF
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	3.3Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode and VHT20 and VHT40 mode of 2.4GHz Band
Modulation Technology	DSSS, OFDM
Transfer Rate	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n : up to 300Mbps 802.11ac: up to 866.7Mbps
Operating Frequency	2.4GHz: 2.412 ~ 2.462GHz 5GHz: 5.18~ 5.24GHz, 5.26 ~ 5.32GHz, 5.50 ~ 5.70GHz, 5.745 ~ 5.825GHz
Number of Channel	2.4GHz: 802.11b, 802.11g, 802.11n (HT20), VHT20: 11 802.11n (HT40), VHT40: 7 5GHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 24 802.11n (HT40), 802.11ac (VHT40): 11 802.11ac (VHT80): 5
Output Power	2.412 ~ 2.462GHz: 430.629mW 5.18 ~ 5.24GHz: 175.268mW 5.26 ~ 5.32GHz: 173.966mW 5.5 ~ 5.7GHz: 175.508mW 5.745 ~ 5.825GHz: 164.255mW
Antenna Type	Refer to Note
Antenna Connector	Refer to Note
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. This report is prepared for FCC class II change. The difference compared with the Report No.: RF150126E05C as the following:

- ◆ Upgraded standard version.
- ◆ Added six sets of antennas as below table:

Original										
Antenna No	Chain No.	Brand	Model	Gain (dBi)	Antenna Type	Connector Type	Frequency range (GHz to GHz)	Cable Length (External only)		
1	Chain (0) (Aux)	MAG.LAYERS	MSA-4008-25GC1-A1	2.98	PIFA	i-pex(MHF4)	2.4~2.5	15cm		
				5.16			4.9~5.9			
	Chain (1) (Main)	MAG.LAYERS	MSA-4008-25GC1-A1	2.98	PIFA	i-pex(MHF4)	2.4~2.5	15cm		
				5.16			4.9~5.9			
2	Chain (0) (Aux)	LUXSHARE ICT	Speedy	1.43	PIFA	i-pex(MHF4)	2.4~2.5	507mm		
				-3.12			4.9~5.9			
	Chain (1) (Main)	LUXSHARE ICT	Speedy	-2.46	PIFA	i-pex(MHF4)	2.4~2.5	472mm		
				-0.02			4.9~5.9			
3	Chain (0) (Aux)	Amphenol	867-00013	-3.8	PIFA	i-pex(MHF4)	2.4~2.5	70mm		
				3.5			4.9~5.9			
	Chain (1) (Main)	Amphenol	867-00014	-5.1	PIFA	i-pex(MHF4)	2.4~2.5	220mm		
				0.2			4.9~5.9			
Newly										
Antenna Set No	Chain No.	Brand	Model	Gain (dBi) Including cable loss		Cable Loss (dBi)	Antenna Type	Connector Type	Frequency range (GHz to GHz)	Cable Length (External only)
4	Chain (0) (Aux)	TONGDA	T-543-3010450-2	-4.23		0.46	PIFA	i-pex-MFH4	2.4~2.5	79.5mm
				5.15-5.35 GHz:2.13 5.47-5.725 GHz:-1.32 5.725-5.850 GHz:-2.77		0.73			4.9~5.9	
				-4.56		0.28			2.4~2.5	
	Chain (1) (Main)	TONGDA	T-543-3010450-1	5.15-5.35 GHz:-3.53 5.47-5.725 GHz:-1.87 5.725-5.850 GHz:-1.87		0.44	PIFA	i-pex-MFH4	4.9~5.9	43mm
				-4.71		0.28			2.4~2.5	
				5.15-5.35 GHz:-3.73 5.47-5.725 GHz:-2.26 5.725-5.850 GHz:-2.23		0.44			4.9~5.9	
5	Chain (0) (Aux)	HONGLIN	260-26080	-4.39		0.46	PIFA	i-pex-MFH4	2.4~2.5	79.5mm
				5.15-5.35 GHz:1.29 5.47-5.725 GHz:0.41 5.725-5.850 GHz:-3.41		0.73			4.9~5.9	
				-4.71		0.28			2.4~2.5	
	Chain (1) (Main)	HONGLIN	260-26079	5.15-5.35 GHz:-3.73 5.47-5.725 GHz:-2.26 5.725-5.850 GHz:-2.23		0.44	PIFA	i-pex-MFH4	4.9~5.9	43mm
				-4.71		0.28			2.4~2.5	
				5.15-5.35 GHz:-3.73 5.47-5.725 GHz:-2.26 5.725-5.850 GHz:-2.23		0.44			4.9~5.9	
6	Chain 0 (Aux)	Taoglas	GW20.54.0400A.km	2.29		NA	Dipole	IPEX MHF4L	2400~2500	400mm
				1.73					5150~5850	
	Chain 1 (Main)	Taoglas	GW20.54.0400A.km	2.29		NA	Dipole	IPEX MHF4L	2400~2500	400mm
				1.73					5150~5850	
7	Chain 0 (Aux)	Taoglas	GW20.54.0180A.km	2.47		NA	Dipole	IPEX MHF4L	2400~2500	180mm
				2.62					5150~5850	
	Chain 1 (Main)	Taoglas	GW20.54.0180A.km	2.47		NA	Dipole	IPEX MHF4L	2400~2500	180mm
				2.62					5150~5850	
8	Chain 0 (Aux)	Taoglas	GW20.54.0180A.km	2.47		NA	Dipole	IPEX MHF4L	2400~2500	180mm
				2.62					5150~5850	
	Chain 1 (Main)	Taoglas	GW20.54.0400A.km	2.29		NA	Dipole	IPEX MHF4L	2400~2500	400mm
				1.73					5150~5850	
9	Chain 0 (Aux)	Taoglas	GW20.54.0400A.km	2.29		NA	Dipole	IPEX MHF4L	2400~2500	400mm
				1.73					5150~5850	
	Chain 1 (Main)	Taoglas	GW20.54.0180A.km	2.47		NA	Dipole	IPEX MHF4L	2400~2500	180mm
				2.62					5150~5850	

Note:

1. For radiated emission (below 1GHz), the Dipole (Antenna Set 7) was selected as representative adapter for the test and its data was recorded in this report.
2. For radiated emission (above 1GHz), the PIFA antenna (Antenna Set 1) and Dipole (Antenna Set 7) were selected as representative adapter for the test and its data was recorded in this report.

2. According to above conditions, the below test item need to be performed. And all data was verified to meet the requirements.
 - ◆ U-NII band 1, U-NII band 2A, U-NII band 2C: Radiated Emissions & Band Edge Measurement, Max Average Transmit Power and Occupied Bandwidth Measurement test item need to be performed.
 - ◆ U-NII band 3: All of test items need to be performed (except for AC Power Conducted Emissions and Frequency Stability test items). And all data was verified to meet the requirements.
3. There are Bluetooth technology and WLAN technology used for the EUT.
4. For WLAN, 2.4GHz and 5GHz technology can not transmit at same time.
5. WLAN (5GHz) and Bluetooth technology can transmit at same time.
6. The EUT has four model names which are identical to each other in all aspects except for the following table. These solutions have same RF circuit /parameter and are pin to pin compatible. (Detail information please refer declaration letter by client)

AW model name	Difference. Broadcom solution
AW-CM195NF	BCM43540
AW-CM217NF	BCM4356
AW-CM235NF	BCM4354
AW-CM240NF	BCM4356 (Change the Interface of PCIE+UART)

Note: In original report, from the above models, model: **AW-CM195NF** was selected as representative model for the test and its data was recorded in this report.

7. The EUT incorporates a MIMO function.

2.4GHz Band			
MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11b	1 ~ 11Mbps	1TX (Diversity)	1RX (Diversity)
802.11g	6 ~ 54Mbps	1TX (Diversity)	1RX (Diversity)
802.11n (HT20)	MCS 0~7	1TX (Diversity)	1RX (Diversity)
	MCS 8~15	2TX	2RX
802.11n (HT40)	MCS 0~7	1TX (Diversity)	1RX (Diversity)
	MCS 8~15	2TX	2RX
VHT20	MCS0~8 Nss= 1	1TX (Diversity)	1RX (Diversity)
	MCS0~8 Nss= 2	2TX	2RX
VHT40	MCS0~9 Nss= 1	1TX (Diversity)	1RX (Diversity)
	MCS0~9 Nss= 2	2TX	2RX

5GHz Band			
MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11a	6 ~ 54Mbps	1TX (Diversity)	1RX (Diversity)
802.11n (HT20)	MCS 0~7	1TX (Diversity)	1RX (Diversity)
	MCS 8~15	2TX	2RX
802.11n (HT40)	MCS 0~7	1TX (Diversity)	1RX (Diversity)
	MCS 8~15	2TX	2RX
802.11ac (VHT20)	MCS0~8 Nss= 1	1TX (Diversity)	1RX (Diversity)
	MCS0~8 Nss= 2	2TX	2RX
802.11ac (VHT40)	MCS0~9 Nss= 1	1TX (Diversity)	1RX (Diversity)
	MCS0~9 Nss= 2	2TX	2RX
802.11ac (VHT80)	MCS0~9 Nss= 1	1TX (Diversity)	1RX (Diversity)
	MCS0~9 Nss= 2	2TX	2RX
Note: The device operate with two spatial stream (Nss = 2) with different data, and two signals are not correlated.			

8. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

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	5210MHz

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	5290MHz

FOR 5500 ~ 5700MHz

11 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		

5 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		

2 channels are provided for 802.11ac (VHT80):

Channel	Frequency	Channel	Frequency
106	5530MHz	122	5610 MHz

FOR 5745 ~ 5825MHz

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

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

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

Channel	Frequency	Channel	Frequency
151	5755MHz	159	5795MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
155	5775MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT Configure Mode	Applicable To			Description
	RE $\geq$ 1G	RE<1G	APCM	
-	√	√	√	-

Where **RE $\geq$ 1G**: Radiated Emission above 1GHz **RE<1G**: Radiated Emission below 1GHz
APCM: Antenna Port Conducted Measurement

Note:

- In the original report, the EUT's antenna (PIFA) had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-plane** (for below 1GHz) and **Z-plane** (for above 1GHz).

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.

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6
802.11ac (VHT20)		36 to 48	36, 40, 48	OFDM	BPSK	6.5
802.11ac (VHT40)		38 to 46	38, 46	OFDM	BPSK	13.5
802.11ac (VHT80)		42	42	OFDM	BPSK	29.3
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6
802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	BPSK	6.5
802.11ac (VHT40)		54 to 62	54, 62	OFDM	BPSK	13.5
802.11ac (VHT80)		58	58	OFDM	BPSK	29.3
802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6
802.11ac (VHT20)		100 to 140	100, 116, 140	OFDM	BPSK	6.5
802.11ac (VHT40)		102 to 134	102, 110, 134	OFDM	BPSK	13.5
802.11ac (VHT80)		106 to 122	106, 122	OFDM	BPSK	29.3
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6
802.11ac (VHT20)		149 to 165	149, 157, 165	OFDM	BPSK	6.5
802.11ac (VHT40)		151 to 159	151, 159	OFDM	BPSK	13.5
802.11ac (VHT80)		155	155	OFDM	BPSK	29.3

Radiated Emission Test (Below 1GHz):

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

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11ac (VHT40)	5180-5320, 5500-5700, 5745-5825	36 to 64, 100 to 140, 149 to 165	110	OFDM	BPSK	13.5

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.

Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	BPSK	6
802.11ac (VHT20)		36 to 48	36, 40, 48	OFDM	BPSK	6.5
802.11ac (VHT40)		38 to 46	38, 46	OFDM	BPSK	13.5
802.11ac (VHT80)		42	42	OFDM	BPSK	29.3
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	BPSK	6
802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	BPSK	6.5
802.11ac (VHT40)		54 to 62	54, 62	OFDM	BPSK	13.5
802.11ac (VHT80)		58	58	OFDM	BPSK	29.3
802.11a	5500-5700	100 to 140	100, 116, 140	OFDM	BPSK	6
802.11ac (VHT20)		100 to 140	100, 116, 140	OFDM	BPSK	6.5
802.11ac (VHT40)		102 to 134	102, 110, 134	OFDM	BPSK	13.5
802.11ac (VHT80)		106 to 122	106, 122	OFDM	BPSK	29.3
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6
802.11ac (VHT20)		149 to 165	149, 157, 165	OFDM	BPSK	6.5
802.11ac (VHT40)		151 to 159	151, 159	OFDM	BPSK	13.5
802.11ac (VHT80)		155	155	OFDM	BPSK	29.3

Test Condition:

Applicable To	Environmental Conditions	Input Power	Tested By
RE≥1G	21deg. C, 63%RH	120Vac, 60Hz (System)	Steven Chiang
	23deg. C, 67%RH	120Vac, 60Hz (System)	Steven Chiang
RE<1G	23deg. C, 65%RH	120Vac, 60Hz (System)	Steven Chiang
APCM	25deg. C, 60%RH	3.3Vdc	Steven Chiang

3.3 Duty Cycle of Test Signal

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

If duty cycle of test signal is $< 98\%$, duty factor shall be considered.

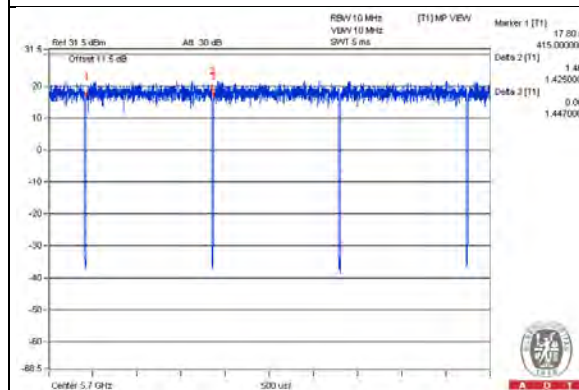
802.11a: Duty cycle = $1.425 \text{ ms} / 1.448 \text{ ms} = 0.984$

802.11ac (VHT20): Duty cycle = $1.341 \text{ ms} / 1.362 \text{ ms} = 0.985$

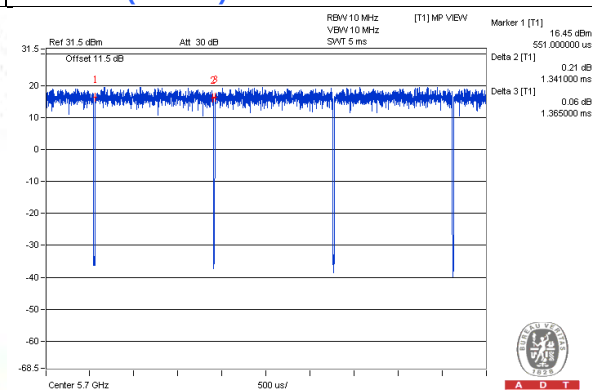
802.11ac (VHT40): Duty cycle = $0.668 \text{ ms} / 0.687 \text{ ms} = 0.972$, Duty factor = $10 * \log(1/0.972) = 0.12$

802.11ac (VHT80): Duty cycle = $0.333 \text{ ms} / 0.351 \text{ ms} = 0.949$, Duty factor = $10 * \log(1/0.949) = 0.23$

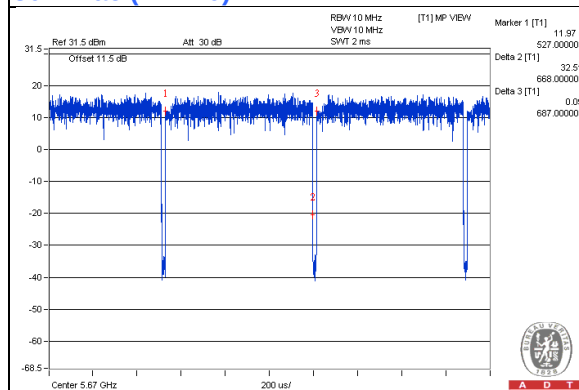
802.11a



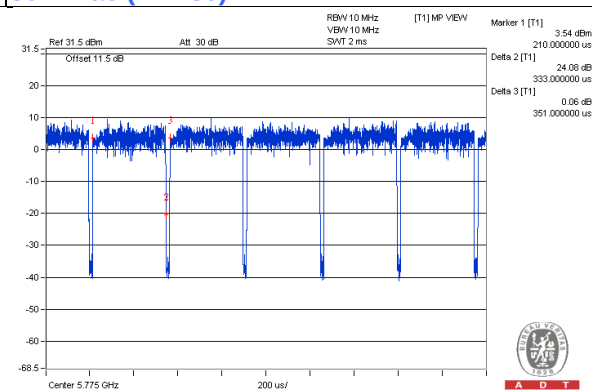
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)



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.

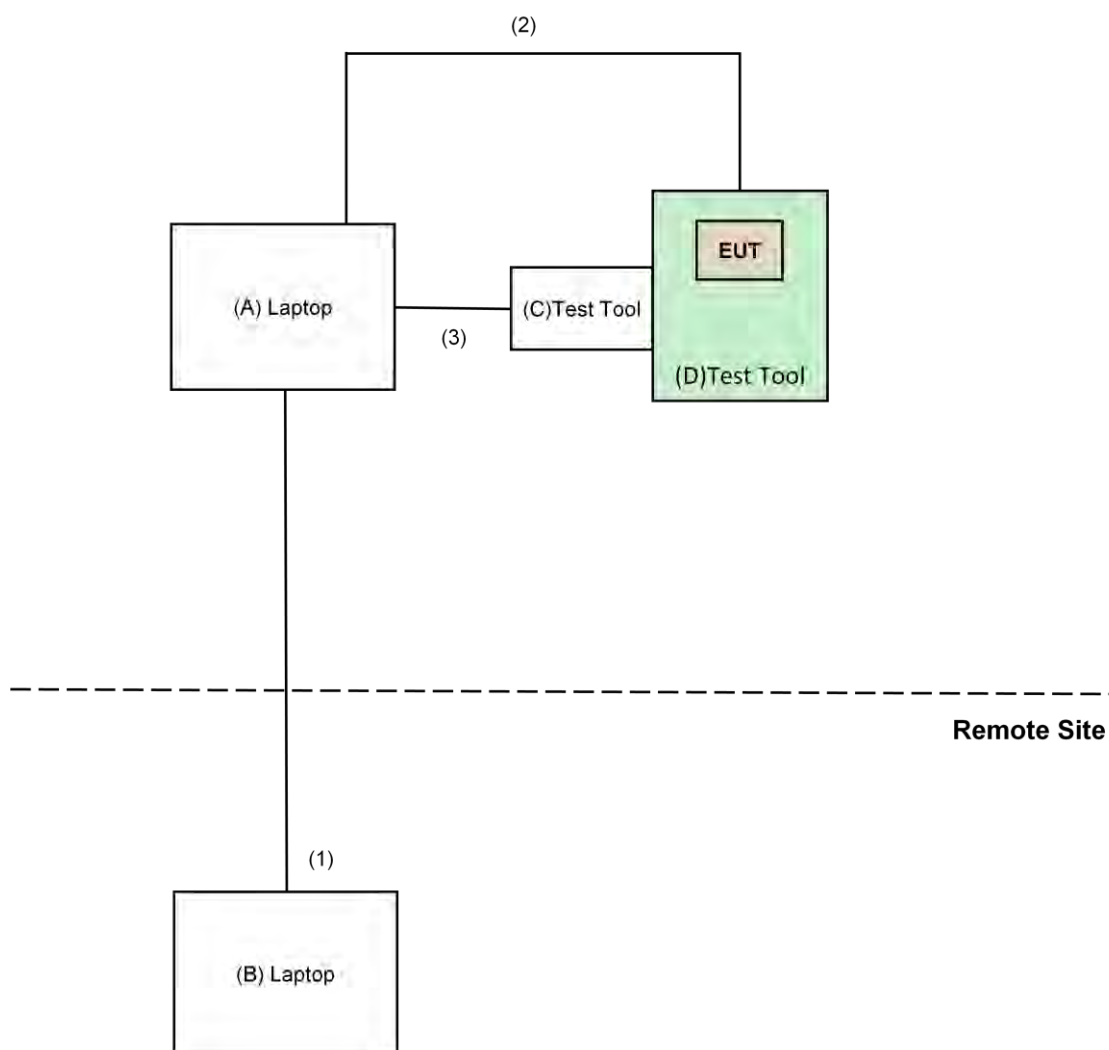
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Laptop	HP	Pavilion 14-ab023TU	5CD5340WXZ	NA	Provided by Lab
B.	Laptop	ASUS	AA2SJ.AVB0W202	NA	NA	Supplied by client
C.	Test Tool	AzureWave	9027-V01	NA	NA	Supplied by client
D.	Test Tool	AzureWave	2218-17	NA	NA	Supplied by client

Note:

1. All power cords of the above support units are non-shielded (1.8m).

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	RJ-45 Cable	1	10	No	0	Provided by Lab
2.	USB Cable	1	1.8	No	0	Provided by Lab
3.	USB Cable	1	1	No	0	Supplied by client

3.4.1 Configuration of System under Test



3.5 General Description of Applied Standard

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

FCC Part 15, Subpart E (15.407)

KDB 789033 D02 General UNII Test Procedure New Rules v02r01

KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2013

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

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

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

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

NOTE:

- 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 v02r01			Field Strength at 3m	
			PK:74 (dBμV/m)	AV:54 (dBμV/m)
Frequency Band	Applicable To		EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	15.407(b)(1)		PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz	15.407(b)(2)			
5470~5725 MHz	15.407(b)(3)			
5725~5850 MHz	☒	15.407(b)(4)(i)	PK:-27 (dBm/MHz) ^{*1} PK:10 (dBm/MHz) ^{*2} PK:15.6 (dBm/MHz) ^{*3} PK:27 (dBm/MHz) ^{*4}	PK: 68.2(dBμV/m) ^{*1} PK:105.2 (dBμV/m) ^{*2} PK: 110.8(dBμV/m) ^{*3} PK:122.2 (dBμV/m) ^{*4}
	☐	15.407(b)(4)(ii)	Emission limits in section 15.247(d)	
^{*1} beyond 75 MHz or more above of the band edge.				
^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.				
^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.				
^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge				

Note:

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

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

4.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 05, 2018	July 04, 2019
Pre-Amplifier EMCI	EMC001340	980142	Feb. 09, 2018	Feb. 08, 2019
Loop Antenna ^(*) Electro-Metrics	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable	NA	LOOPCAB-001	Jan. 15, 2018	Jan. 14, 2019
RF Cable	NA	LOOPCAB-002	Jan. 15, 2018	Jan. 14, 2019
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-01	Nov. 09, 2017	Nov. 08, 2018
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-406	Nov. 29, 2017	Nov. 28, 2018
RF Cable	8D	966-4-1	Mar. 21, 2018	Mar. 20, 2019
RF Cable	8D	966-4-2	Mar. 21, 2018	Mar. 20, 2019
RF Cable	8D	966-4-3	Mar. 21, 2018	Mar. 20, 2019
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-4-01	Sep. 27, 2018	Sep. 26, 2019
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Dec. 12, 2017	Dec. 11, 2018
Pre-Amplifier Mini-Circuits	ZVA-183-S+	AMP-ZVA-03	May 10, 2018	May 09, 2019
RF Cable	EMC104-SM-SM-1200	160923	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-2000	150318	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-5000	150321	Jan. 29, 2018	Jan. 28, 2019
Pre-Amplifier EMCI	EMC184045SE	980387	Jan. 29, 2018	Jan. 28, 2019
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 14, 2017	Dec. 13, 2018
RF Cable	EMC102-KM-KM-1200	160925	Jan. 29, 2018	Jan. 28, 2019
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Boresight Antenna Tower & Turn Table Max-Full	MF-7802BS	MF780208530	NA	NA
Spectrum Analyzer R&S	FSV40	100964	June 20, 2018	June 19, 2019
Power meter Anritsu	ML2495A	1014008	May 09, 2018	May 08, 2019
Power sensor Anritsu	MA2411B	0917122	May 09, 2018	May 08, 2019

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 calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 4.
4. The CANADA Site Registration No. is 20331-2
5. Loop antenna was used for all emissions below 30 MHz.
6. Tested Date: Oct. 02 to 31, 2018

4.1.3 Test Procedure

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. Parallel, perpendicular, and ground-parallel orientations 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 detects 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:

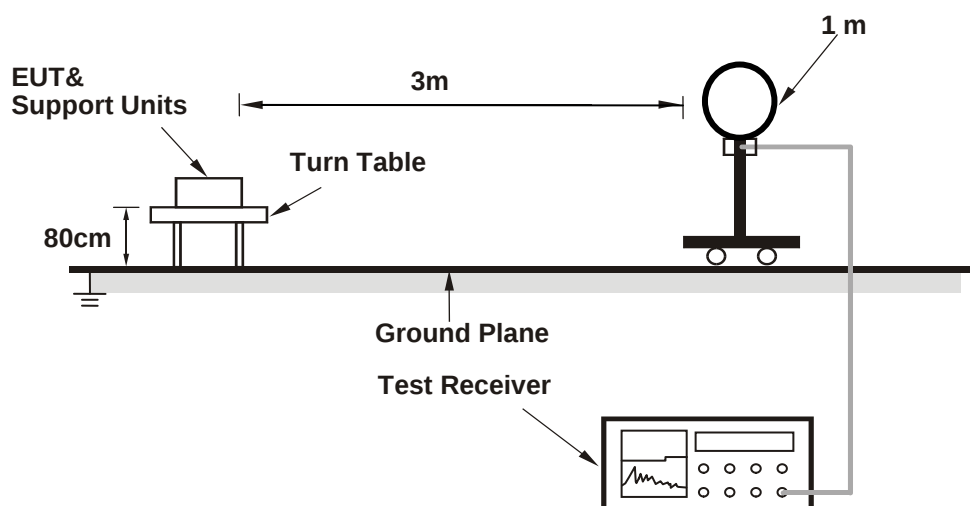
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.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

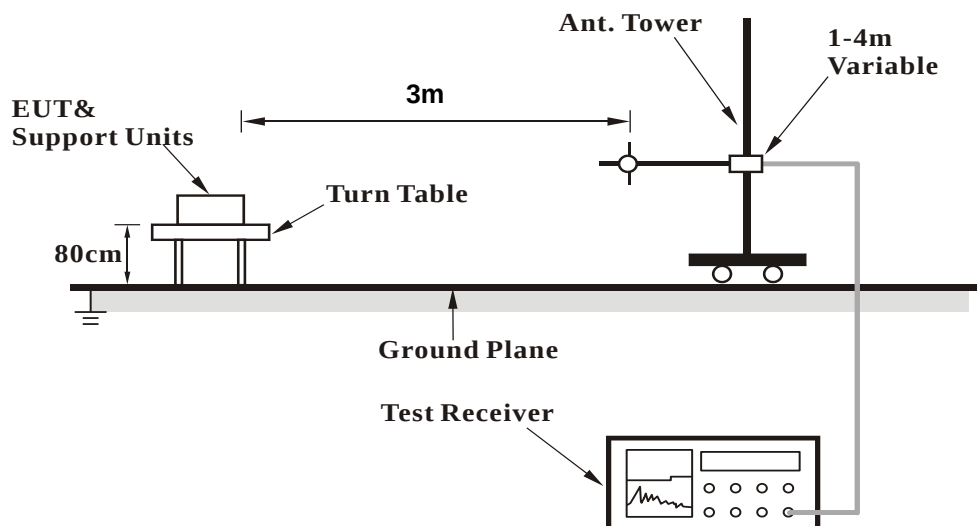
No deviation.

4.1.5 Test Setup

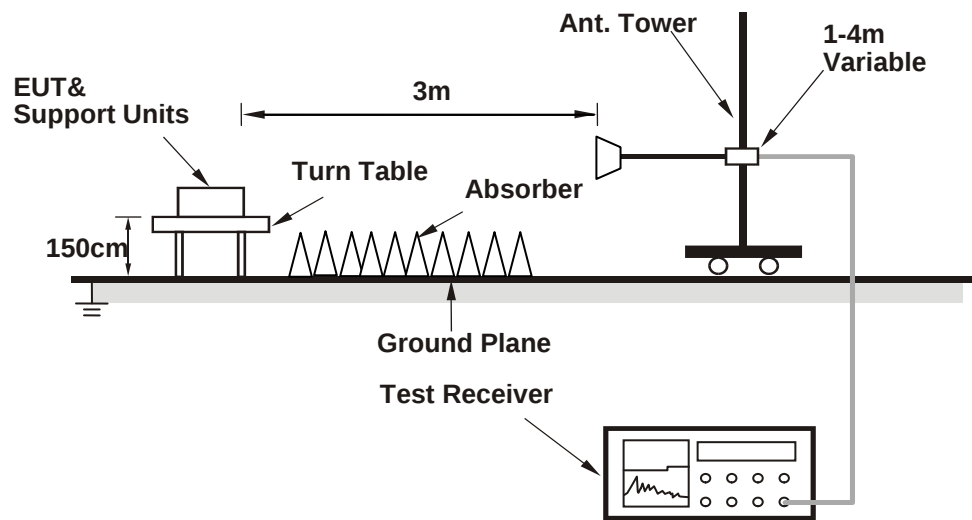
For Radiated emission below 30MHz



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 Condition

- Connected the EUT with the Laptop which is placed on the testing table.
- Controlling software (wl.exe[paste XXX.sh command]) has been activated to set the EUT on specific status.

4.1.7 Test Results (PIFA Antenna)

Above 1GHz Data:

802.11a

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	68.2 PK	74.0	-5.8	1.63 H	244	65.2	3.0
2	5150.00	53.4 AV	54.0	-0.6	1.63 H	244	50.4	3.0
3	*5180.00	107.3 PK			1.63 H	244	104.5	2.8
4	*5180.00	99.8 AV			1.63 H	244	97.0	2.8
5	#10360.00	53.5 PK	68.2	-14.7	1.66 H	258	41.1	12.4
6	15540.00	59.1 PK	74.0	-14.9	1.76 H	340	46.3	12.8
7	15540.00	47.1 AV	54.0	-6.9	1.76 H	340	34.3	12.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.4 PK	74.0	-7.6	1.95 V	166	63.4	3.0
2	5150.00	52.5 AV	54.0	-1.5	1.95 V	166	49.5	3.0
3	*5180.00	104.7 PK			1.95 V	166	101.9	2.8
4	*5180.00	96.8 AV			1.95 V	166	94.0	2.8
5	#10360.00	53.2 PK	68.2	-15.0	1.65 V	237	40.8	12.4
6	15540.00	61.0 PK	74.0	-13.0	1.53 V	125	48.2	12.8
7	15540.00	48.0 AV	54.0	-6.0	1.53 V	125	35.2	12.8

REMARKS:

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

CHANNEL	TX Channel 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	69.1 PK	74.0	-4.9	1.65 H	234	66.1	3.0
2	5150.00	52.8 AV	54.0	-1.2	1.65 H	234	49.8	3.0
3	*5200.00	109.2 PK			1.65 H	234	106.5	2.7
4	*5200.00	100.9 AV			1.65 H	234	98.2	2.7
5	#10400.00	53.3 PK	68.2	-14.9	1.64 H	266	40.8	12.5
6	15600.00	59.5 PK	74.0	-14.5	1.74 H	330	46.7	12.8
7	15600.00	47.2 AV	54.0	-6.8	1.74 H	330	34.4	12.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	67.4 PK	74.0	-6.6	1.92 V	178	64.4	3.0
2	5150.00	51.8 AV	54.0	-2.2	1.92 V	178	48.8	3.0
3	*5200.00	107.4 PK			1.92 V	178	104.7	2.7
4	*5200.00	99.6 AV			1.92 V	178	96.9	2.7
5	#10400.00	53.9 PK	68.2	-14.3	1.71 V	236	41.4	12.5
6	15600.00	60.7 PK	74.0	-13.3	1.54 V	132	47.9	12.8
7	15600.00	48.2 AV	54.0	-5.8	1.54 V	132	35.4	12.8

REMARKS:

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

CHANNEL	TX Channel 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	110.7 PK			1.66 H	245	108.2	2.5
2	*5240.00	101.6 AV			1.66 H	245	99.1	2.5
3	5350.00	56.0 PK	74.0	-18.0	1.66 H	245	53.4	2.6
4	5350.00	41.2 AV	54.0	-12.8	1.66 H	245	38.6	2.6
5	#10480.00	54.0 PK	68.2	-14.2	1.70 H	247	41.0	13.0
6	15720.00	59.5 PK	74.0	-14.5	1.80 H	347	47.1	12.4
7	15720.00	47.3 AV	54.0	-6.7	1.80 H	347	34.9	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	108.6 PK			2.00 V	163	106.1	2.5
2	*5240.00	100.5 AV			2.00 V	163	98.0	2.5
3	5350.00	56.2 PK	74.0	-17.8	2.00 V	163	53.6	2.6
4	5350.00	40.7 AV	54.0	-13.3	2.00 V	163	38.1	2.6
5	#10480.00	53.9 PK	68.2	-14.3	1.59 V	223	40.9	13.0
6	15720.00	60.8 PK	74.0	-13.2	1.59 V	117	48.4	12.4
7	15720.00	48.2 AV	54.0	-5.8	1.59 V	117	35.8	12.4

REMARKS:

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

CHANNEL	TX Channel 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	56.7 PK	74.0	-17.3	1.60 H	232	53.7	3.0
2	5150.00	41.7 AV	54.0	-12.3	1.60 H	232	38.7	3.0
3	*5260.00	110.0 PK			1.60 H	232	107.6	2.4
4	*5260.00	101.2 AV			1.60 H	232	98.8	2.4
5	#10520.00	54.7 PK	68.2	-13.5	1.63 H	248	41.8	12.9
6	15780.00	59.0 PK	74.0	-15.0	1.81 H	335	46.5	12.5
7	15780.00	47.1 AV	54.0	-6.9	1.81 H	335	34.6	12.5
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	5150.00	56.1 PK	74.0	-17.9	1.96 V	158	53.1	3.0
2	5150.00	40.7 AV	54.0	-13.3	1.96 V	158	37.7	3.0
3	*5260.00	107.3 PK			1.96 V	158	104.9	2.4
4	*5260.00	99.7 AV			1.96 V	158	97.3	2.4
5	#10520.00	53.4 PK	68.2	-14.8	1.69 V	234	40.5	12.9
6	15780.00	61.1 PK	74.0	-12.9	1.53 V	127	48.6	12.5
7	15780.00	48.2 AV	54.0	-5.8	1.53 V	127	35.7	12.5

REMARKS:

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

CHANNEL	TX Channel 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	109.6 PK			1.57 H	239	107.1	2.5
2	*5300.00	100.9 AV			1.57 H	239	98.4	2.5
3	5350.00	71.0 PK	74.0	-3.0	1.57 H	239	68.4	2.6
4	5350.00	53.6 AV	54.0	-0.4	1.57 H	239	51.0	2.6
5	10600.00	53.7 PK	74.0	-20.3	1.61 H	266	41.3	12.4
6	10600.00	41.8 AV	54.0	-12.2	1.61 H	266	29.4	12.4
7	15900.00	59.2 PK	74.0	-14.8	1.74 H	330	46.9	12.3
8	15900.00	46.9 AV	54.0	-7.1	1.74 H	330	34.6	12.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	107.1 PK			1.90 V	165	104.6	2.5
2	*5300.00	99.2 AV			1.90 V	165	96.7	2.5
3	5350.00	70.4 PK	74.0	-3.6	1.90 V	165	67.8	2.6
4	5350.00	52.7 AV	54.0	-1.3	1.90 V	165	50.1	2.6
5	10600.00	53.4 PK	74.0	-20.6	1.65 V	250	41.0	12.4
6	10600.00	40.8 AV	54.0	-13.2	1.65 V	250	28.4	12.4
7	15900.00	61.2 PK	74.0	-12.8	1.53 V	121	48.9	12.3
8	15900.00	48.2 AV	54.0	-5.8	1.53 V	121	35.9	12.3

REMARKS:

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

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	106.4 PK			1.60 H	254	103.9	2.5
2	*5320.00	98.8 AV			1.60 H	254	96.3	2.5
3	5350.00	71.1 PK	74.0	-2.9	1.60 H	254	68.5	2.6
4	5350.00	53.4 AV	54.0	-0.6	1.60 H	254	50.8	2.6
5	10640.00	53.8 PK	74.0	-20.2	1.70 H	265	41.2	12.6
6	10640.00	41.6 AV	54.0	-12.4	1.70 H	265	29.0	12.6
7	15960.00	60.0 PK	74.0	-14.0	1.70 H	336	47.5	12.5
8	15960.00	47.5 AV	54.0	-6.5	1.70 H	336	35.0	12.5
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	*5320.00	104.6 PK			1.94 V	165	102.1	2.5
2	*5320.00	96.7 AV			1.94 V	165	94.2	2.5
3	5350.00	70.3 PK	74.0	-3.7	1.94 V	165	67.7	2.6
4	5350.00	52.4 AV	54.0	-1.6	1.94 V	165	49.8	2.6
5	10640.00	53.3 PK	74.0	-20.7	1.66 V	231	40.7	12.6
6	10640.00	40.3 AV	54.0	-13.7	1.66 V	231	27.7	12.6
7	15960.00	60.5 PK	74.0	-13.5	1.58 V	136	48.0	12.5
8	15960.00	48.1 AV	54.0	-5.9	1.58 V	136	35.6	12.5

REMARKS:

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

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	#5470.00	66.8 PK	68.2	-1.4	1.57 H	238	63.9	2.9
2	*5500.00	107.9 PK			1.57 H	238	105.0	2.9
3	*5500.00	99.9 AV			1.57 H	238	97.0	2.9
4	11000.00	54.1 PK	74.0	-19.9	1.61 H	257	40.9	13.2
5	11000.00	41.9 AV	54.0	-12.1	1.61 H	257	28.7	13.2
6	#16500.00	59.3 PK	68.2	-8.9	1.75 H	352	44.3	15.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	67.8 PK	68.2	-0.4	1.99 V	181	64.9	2.9
2	*5500.00	104.7 PK			1.99 V	181	101.8	2.9
3	*5500.00	97.1 AV			1.99 V	181	94.2	2.9
4	11000.00	54.3 PK	74.0	-19.7	1.60 V	232	41.1	13.2
5	11000.00	41.5 AV	54.0	-12.5	1.60 V	232	28.3	13.2
6	#16500.00	60.0 PK	68.2	-8.2	1.49 V	136	45.0	15.0

REMARKS:

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

CHANNEL	TX Channel 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	109.4 PK			1.63 H	239	106.2	3.2
2	*5580.00	100.8 AV			1.63 H	239	97.6	3.2
3	11160.00	54.9 PK	74.0	-19.1	1.66 H	256	41.8	13.1
4	11160.00	42.2 AV	54.0	-11.8	1.66 H	256	29.1	13.1
5	#16740.00	59.0 PK	68.2	-9.2	1.70 H	341	42.6	16.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	107.7 PK			2.01 V	156	104.5	3.2
2	*5580.00	99.9 AV			2.01 V	156	96.7	3.2
3	11160.00	54.5 PK	74.0	-19.5	1.68 V	246	41.4	13.1
4	11160.00	41.6 AV	54.0	-12.4	1.68 V	246	28.5	13.1
5	#16740.00	61.1 PK	68.2	-7.1	1.48 V	130	44.7	16.4

REMARKS:

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

CHANNEL	TX Channel 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	109.8 PK			1.66 H	230	106.4	3.4
2	*5700.00	99.8 AV			1.66 H	230	96.4	3.4
3	#5725.00	67.6 PK	68.2	-0.6	1.66 H	230	64.3	3.3
4	11400.00	55.2 PK	74.0	-18.8	1.71 H	263	41.7	13.5
5	11400.00	42.6 AV	54.0	-11.4	1.71 H	263	29.1	13.5
6	#17100.00	60.2 PK	68.2	-8.0	1.71 H	326	44.1	16.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	104.2 PK			2.00 V	156	100.8	3.4
2	*5700.00	96.6 AV			2.00 V	156	93.2	3.4
3	#5725.00	67.1 PK	68.2	-1.1	2.00 V	156	63.8	3.3
4	11400.00	53.9 PK	74.0	-20.1	1.60 V	221	40.4	13.5
5	11400.00	41.0 AV	54.0	-13.0	1.60 V	221	27.5	13.5
6	#17100.00	60.5 PK	68.2	-7.7	1.52 V	121	44.4	16.1

REMARKS:

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

CHANNEL	TX Channel 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	#5594.26	51.6 PK	68.2	-16.6	1.65 H	246	48.4	3.2
2	*5745.00	106.5 PK			1.65 H	246	103.2	3.3
3	*5745.00	97.7 AV			1.65 H	246	94.4	3.3
4	#5963.64	51.8 PK	68.2	-16.4	1.65 H	246	48.3	3.5
5	11490.00	54.8 PK	74.0	-19.2	1.61 H	268	41.4	13.4
6	11490.00	42.1 AV	54.0	-11.9	1.61 H	268	28.7	13.4
7	#17235.00	60.6 PK	68.2	-7.6	1.71 H	351	43.9	16.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5584.10	52.0 PK	68.2	-16.2	1.94 V	174	48.8	3.2
2	*5745.00	106.8 PK			1.94 V	174	103.5	3.3
3	*5745.00	96.7 AV			1.94 V	174	93.4	3.3
4	#5953.09	52.0 PK	68.2	-16.2	1.94 V	174	48.5	3.5
5	11490.00	54.4 PK	74.0	-19.6	1.67 V	241	41.0	13.4
6	11490.00	41.5 AV	54.0	-12.5	1.67 V	241	28.1	13.4
7	#17235.00	61.0 PK	68.2	-7.2	1.52 V	140	44.3	16.7

REMARKS:

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

CHANNEL	TX Channel 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	#5638.40	53.3 PK	68.2	-14.9	1.66 H	229	50.1	3.2
2	*5785.00	110.5 PK			1.66 H	229	107.2	3.3
3	*5785.00	102.1 AV			1.66 H	229	98.8	3.3
4	#5946.19	53.0 PK	68.2	-15.2	1.66 H	229	49.5	3.5
5	11570.00	54.9 PK	74.0	-19.1	1.67 H	243	41.5	13.4
6	11570.00	42.2 AV	54.0	-11.8	1.67 H	243	28.8	13.4
7	#17355.00	60.3 PK	68.2	-7.9	1.76 H	330	43.0	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5618.32	51.0 PK	68.2	-17.2	1.94 V	172	47.7	3.3
2	*5785.00	107.5 PK			1.94 V	172	104.2	3.3
3	*5785.00	97.7 AV			1.94 V	172	94.4	3.3
4	#5977.57	50.3 PK	68.2	-17.9	1.94 V	172	46.7	3.6
5	11570.00	53.5 PK	74.0	-20.5	1.68 V	222	40.1	13.4
6	11570.00	40.4 AV	54.0	-13.6	1.68 V	222	27.0	13.4
7	#17355.00	60.3 PK	68.2	-7.9	1.50 V	111	43.0	17.3

REMARKS:

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

CHANNEL	TX Channel 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	#5575.67	52.1 PK	68.2	-16.1	1.67 H	258	48.9	3.2
2	*5825.00	107.5 PK			1.67 H	258	104.0	3.5
3	*5825.00	98.3 AV			1.67 H	258	94.8	3.5
4	#5968.18	52.1 PK	68.2	-16.1	1.67 H	258	48.5	3.6
5	11650.00	54.5 PK	74.0	-19.5	1.65 H	260	41.2	13.3
6	11650.00	41.9 AV	54.0	-12.1	1.65 H	260	28.6	13.3
7	#17475.00	59.9 PK	68.2	-8.3	1.75 H	326	41.7	18.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5612.33	51.8 PK	68.2	-16.4	1.96 V	177	48.5	3.3
2	*5825.00	108.6 PK			1.96 V	177	105.1	3.5
3	*5825.00	98.0 AV			1.96 V	177	94.5	3.5
4	#5971.60	51.9 PK	68.2	-16.3	1.96 V	177	48.3	3.6
5	11650.00	53.5 PK	74.0	-20.5	1.65 V	241	40.2	13.3
6	11650.00	40.9 AV	54.0	-13.1	1.65 V	241	27.6	13.3
7	#17475.00	60.9 PK	68.2	-7.3	1.48 V	118	42.7	18.2

REMARKS:

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

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	67.3 PK	74.0	-6.7	1.68 H	248	64.3	3.0
2	5150.00	53.7 AV	54.0	-0.3	1.68 H	248	50.7	3.0
3	*5180.00	109.2 PK			1.68 H	248	106.4	2.8
4	*5180.00	100.1 AV			1.68 H	248	97.3	2.8
5	#10360.00	53.8 PK	68.2	-14.4	1.66 H	260	41.4	12.4
6	15540.00	59.5 PK	74.0	-14.5	1.76 H	345	46.7	12.8
7	15540.00	47.3 AV	54.0	-6.7	1.76 H	345	34.5	12.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	64.7 PK	74.0	-9.3	1.98 V	177	61.7	3.0
2	5150.00	49.3 AV	54.0	-4.7	1.98 V	177	46.3	3.0
3	*5180.00	108.2 PK			1.98 V	177	105.4	2.8
4	*5180.00	97.9 AV			1.98 V	177	95.1	2.8
5	#10360.00	53.8 PK	68.2	-14.4	1.66 V	228	41.4	12.4
6	15540.00	61.2 PK	74.0	-12.8	1.52 V	122	48.4	12.8
7	15540.00	48.1 AV	54.0	-5.9	1.52 V	122	35.3	12.8

REMARKS:

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

CHANNEL	TX Channel 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	69.0 PK	74.0	-5.0	1.69 H	243	66.0	3.0
2	5150.00	53.7 AV	54.0	-0.3	1.69 H	243	50.7	3.0
3	*5200.00	114.8 PK			1.69 H	243	112.1	2.7
4	*5200.00	104.6 AV			1.69 H	243	101.9	2.7
5	#10400.00	54.0 PK	68.2	-14.2	1.66 H	254	41.5	12.5
6	15600.00	59.5 PK	74.0	-14.5	1.79 H	350	46.7	12.8
7	15600.00	47.8 AV	54.0	-6.2	1.79 H	350	35.0	12.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	64.2 PK	74.0	-9.8	1.93 V	165	61.2	3.0
2	5150.00	48.8 AV	54.0	-5.2	1.93 V	165	45.8	3.0
3	*5200.00	113.2 PK			1.93 V	165	110.5	2.7
4	*5200.00	102.4 AV			1.93 V	165	99.7	2.7
5	#10400.00	54.3 PK	68.2	-13.9	1.65 V	231	41.8	12.5
6	15600.00	59.9 PK	74.0	-14.1	1.54 V	121	47.1	12.8
7	15600.00	47.4 AV	54.0	-6.6	1.54 V	121	34.6	12.8

REMARKS:

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

CHANNEL	TX Channel 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	115.4 PK			1.63 H	239	112.9	2.5
2	*5240.00	104.9 AV			1.63 H	239	102.4	2.5
3	5350.00	66.5 PK	74.0	-7.5	1.63 H	239	63.9	2.6
4	5350.00	50.3 AV	54.0	-3.7	1.63 H	239	47.7	2.6
5	#10480.00	54.9 PK	68.2	-13.3	1.71 H	253	41.9	13.0
6	15720.00	58.7 PK	74.0	-15.3	1.77 H	326	46.3	12.4
7	15720.00	46.9 AV	54.0	-7.1	1.77 H	326	34.5	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	113.3 PK			1.90 V	175	110.8	2.5
2	*5240.00	102.8 AV			1.90 V	175	100.3	2.5
3	5350.00	64.3 PK	74.0	-9.7	1.90 V	175	61.7	2.6
4	5350.00	49.0 AV	54.0	-5.0	1.90 V	175	46.4	2.6
5	#10480.00	53.5 PK	68.2	-14.7	1.64 V	223	40.5	13.0
6	15720.00	61.2 PK	74.0	-12.8	1.54 V	126	48.8	12.4
7	15720.00	48.3 AV	54.0	-5.7	1.54 V	126	35.9	12.4

REMARKS:

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

CHANNEL	TX Channel 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	66.1 PK	74.0	-7.9	1.64 H	232	63.1	3.0
2	5150.00	50.1 AV	54.0	-3.9	1.64 H	232	47.1	3.0
3	*5260.00	115.3 PK			1.64 H	232	112.9	2.4
4	*5260.00	105.2 AV			1.64 H	232	102.8	2.4
5	#10520.00	54.3 PK	68.2	-13.9	1.69 H	272	41.4	12.9
6	15780.00	59.7 PK	74.0	-14.3	1.73 H	354	47.2	12.5
7	15780.00	47.7 AV	54.0	-6.3	1.73 H	354	35.2	12.5
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	5150.00	64.1 PK	74.0	-9.9	1.97 V	167	61.1	3.0
2	5150.00	48.9 AV	54.0	-5.1	1.97 V	167	45.9	3.0
3	*5260.00	113.2 PK			1.97 V	167	110.8	2.4
4	*5260.00	102.6 AV			1.97 V	167	100.2	2.4
5	#10520.00	53.2 PK	68.2	-15.0	1.70 V	232	40.3	12.9
6	15780.00	60.5 PK	74.0	-13.5	1.49 V	127	48.0	12.5
7	15780.00	48.0 AV	54.0	-6.0	1.49 V	127	35.5	12.5

REMARKS:

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

CHANNEL	TX Channel 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	114.4 PK			1.65 H	242	111.9	2.5
2	*5300.00	103.9 AV			1.65 H	242	101.4	2.5
3	5350.00	70.3 PK	74.0	-3.7	1.65 H	242	67.7	2.6
4	5350.00	53.7 AV	54.0	-0.3	1.65 H	242	51.1	2.6
5	10600.00	53.9 PK	74.0	-20.1	1.70 H	259	41.5	12.4
6	10600.00	41.2 AV	54.0	-12.8	1.70 H	259	28.8	12.4
7	15900.00	59.4 PK	74.0	-14.6	1.79 H	355	47.1	12.3
8	15900.00	47.3 AV	54.0	-6.7	1.79 H	355	35.0	12.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	113.5 PK			1.97 V	153	111.0	2.5
2	*5300.00	102.6 AV			1.97 V	153	100.1	2.5
3	5350.00	64.1 PK	74.0	-9.9	1.97 V	153	61.5	2.6
4	5350.00	48.7 AV	54.0	-5.3	1.97 V	153	46.1	2.6
5	10600.00	53.8 PK	74.0	-20.2	1.67 V	225	41.4	12.4
6	10600.00	40.9 AV	54.0	-13.1	1.67 V	225	28.5	12.4
7	15900.00	61.8 PK	74.0	-12.2	1.49 V	132	49.5	12.3
8	15900.00	49.0 AV	54.0	-5.0	1.49 V	132	36.7	12.3

REMARKS:

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

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	110.2 PK			1.63 H	243	107.7	2.5
2	*5320.00	100.6 AV			1.63 H	243	98.1	2.5
3	5350.00	65.1 PK	74.0	-8.9	1.63 H	243	62.5	2.6
4	5350.00	49.6 AV	54.0	-4.4	1.63 H	243	47.0	2.6
5	10640.00	54.2 PK	74.0	-19.8	1.70 H	242	41.6	12.6
6	10640.00	42.1 AV	54.0	-11.9	1.70 H	242	29.5	12.6
7	15960.00	59.7 PK	74.0	-14.3	1.79 H	342	47.2	12.5
8	15960.00	47.3 AV	54.0	-6.7	1.79 H	342	34.8	12.5
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	*5320.00	107.7 PK			1.91 V	161	105.2	2.5
2	*5320.00	98.3 AV			1.91 V	161	95.8	2.5
3	5350.00	64.0 PK	74.0	-10.0	1.91 V	161	61.4	2.6
4	5350.00	48.7 AV	54.0	-5.3	1.91 V	161	46.1	2.6
5	10640.00	54.3 PK	74.0	-19.7	1.70 V	235	41.7	12.6
6	10640.00	41.5 AV	54.0	-12.5	1.70 V	235	28.9	12.6
7	15960.00	61.4 PK	74.0	-12.6	1.49 V	120	48.9	12.5
8	15960.00	48.9 AV	54.0	-5.1	1.49 V	120	36.4	12.5

REMARKS:

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

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	#5470.00	66.4 PK	68.2	-1.8	1.66 H	239	63.5	2.9
2	*5500.00	109.6 PK			1.66 H	239	106.7	2.9
3	*5500.00	100.1 AV			1.66 H	239	97.2	2.9
4	11000.00	55.0 PK	74.0	-19.0	1.63 H	264	41.8	13.2
5	11000.00	41.9 AV	54.0	-12.1	1.63 H	264	28.7	13.2
6	#16500.00	59.6 PK	68.2	-8.6	1.66 H	239	44.6	15.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	63.0 PK	68.2	-5.2	1.98 V	156	60.1	2.9
2	*5500.00	106.8 PK			1.98 V	156	103.9	2.9
3	*5500.00	97.6 AV			1.98 V	156	94.7	2.9
4	11000.00	55.0 PK	74.0	-19.0	1.67 V	236	41.8	13.2
5	11000.00	42.0 AV	54.0	-12.0	1.67 V	236	28.8	13.2
6	#16500.00	62.1 PK	68.2	-6.1	1.51 V	117	47.1	15.0

REMARKS:

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

CHANNEL	TX Channel 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	114.1 PK			1.69 H	259	110.9	3.2
2	*5580.00	104.4 AV			1.69 H	259	101.2	3.2
3	11160.00	53.8 PK	74.0	-20.2	1.63 H	264	40.7	13.1
4	11160.00	41.4 AV	54.0	-12.6	1.63 H	264	28.3	13.1
5	#16740.00	60.1 PK	68.2	-8.1	1.75 H	334	43.7	16.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	113.5 PK			1.97 V	153	110.3	3.2
2	*5580.00	103.0 AV			1.97 V	153	99.8	3.2
3	11160.00	54.0 PK	74.0	-20.0	1.59 V	249	40.9	13.1
4	11160.00	41.2 AV	54.0	-12.8	1.59 V	249	28.1	13.1
5	#16740.00	60.5 PK	68.2	-7.7	1.49 V	110	44.1	16.4

REMARKS:

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

CHANNEL	TX Channel 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	108.8 PK			1.61 H	259	105.4	3.4
2	*5700.00	98.5 AV			1.61 H	259	95.1	3.4
3	#5725.00	68.1 PK	68.2	-0.1	1.61 H	259	64.8	3.3
4	11400.00	53.5 PK	74.0	-20.5	1.64 H	242	40.0	13.5
5	11400.00	40.9 AV	54.0	-13.1	1.64 H	242	27.4	13.5
6	#17100.00	59.7 PK	68.2	-8.5	1.70 H	341	43.6	16.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.7 PK			1.91 V	163	103.3	3.4
2	*5700.00	96.2 AV			1.91 V	163	92.8	3.4
3	#5725.00	62.6 PK	68.2	-5.6	1.91 V	163	59.3	3.3
4	11400.00	53.7 PK	74.0	-20.3	1.68 V	227	40.2	13.5
5	11400.00	41.0 AV	54.0	-13.0	1.68 V	227	27.5	13.5
6	#17100.00	61.1 PK	68.2	-7.1	1.55 V	139	45.0	16.1

REMARKS:

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

CHANNEL	TX Channel 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	#5648.86	52.5 PK	68.2	-15.7	1.65 H	238	49.3	3.2
2	*5745.00	110.5 PK			1.65 H	238	107.2	3.3
3	*5745.00	99.6 AV			1.65 H	238	96.3	3.3
4	#5949.06	53.0 PK	68.2	-15.2	1.65 H	238	49.5	3.5
5	11490.00	53.6 PK	74.0	-20.4	1.69 H	259	40.2	13.4
6	11490.00	41.3 AV	54.0	-12.7	1.69 H	259	27.9	13.4
7	#17235.00	60.5 PK	68.2	-7.7	1.76 H	328	43.8	16.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5619.56	51.2 PK	68.2	-17.0	1.92 V	158	47.9	3.3
2	*5745.00	108.7 PK			1.92 V	158	105.4	3.3
3	*5745.00	97.4 AV			1.92 V	158	94.1	3.3
4	#5952.79	51.8 PK	68.2	-16.4	1.92 V	158	48.3	3.5
5	11490.00	53.2 PK	74.0	-20.8	1.60 V	246	39.8	13.4
6	11490.00	39.9 AV	54.0	-14.1	1.60 V	246	26.5	13.4
7	#17235.00	60.7 PK	68.2	-7.5	1.49 V	126	44.0	16.7

REMARKS:

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

CHANNEL	TX Channel 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	#5627.69	54.6 PK	68.2	-13.6	1.63 H	239	51.3	3.3
2	*5785.00	115.1 PK			1.63 H	239	111.8	3.3
3	*5785.00	104.5 AV			1.63 H	239	101.2	3.3
4	#5930.65	53.8 PK	68.2	-14.4	1.63 H	239	50.2	3.6
5	11570.00	55.1 PK	74.0	-18.9	1.62 H	271	41.7	13.4
6	11570.00	42.4 AV	54.0	-11.6	1.62 H	271	29.0	13.4
7	#17355.00	60.2 PK	68.2	-8.0	1.80 H	349	42.9	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5645.08	54.7 PK	68.2	-13.5	1.98 V	158	51.5	3.2
2	*5785.00	112.8 PK			1.98 V	158	109.5	3.3
3	*5785.00	102.2 AV			1.98 V	158	98.9	3.3
4	#5978.85	52.6 PK	68.2	-15.6	1.98 V	158	49.0	3.6
5	11570.00	54.2 PK	74.0	-19.8	1.66 V	221	40.8	13.4
6	11570.00	41.2 AV	54.0	-12.8	1.66 V	221	27.8	13.4
7	#17355.00	61.1 PK	68.2	-7.1	1.54 V	132	43.8	17.3

REMARKS:

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

CHANNEL	TX Channel 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	#5636.91	53.1 PK	68.2	-15.1	1.63 H	256	49.9	3.2
2	*5825.00	112.8 PK			1.63 H	256	109.3	3.5
3	*5825.00	101.1 AV			1.63 H	256	97.6	3.5
4	#5949.17	53.2 PK	68.2	-15.0	1.63 H	256	49.7	3.5
5	11650.00	54.7 PK	74.0	-19.3	1.72 H	258	41.4	13.3
6	11650.00	42.0 AV	54.0	-12.0	1.72 H	258	28.7	13.3
7	#17475.00	60.5 PK	68.2	-7.7	1.76 H	341	42.3	18.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5640.10	52.7 PK	68.2	-15.5	1.98 V	167	49.5	3.2
2	*5825.00	110.5 PK			1.98 V	167	107.0	3.5
3	*5825.00	99.6 AV			1.98 V	167	96.1	3.5
4	#5936.76	53.2 PK	68.2	-15.0	1.98 V	167	49.6	3.6
5	11650.00	54.0 PK	74.0	-20.0	1.70 V	246	40.7	13.3
6	11650.00	41.3 AV	54.0	-12.7	1.70 V	246	28.0	13.3
7	#17475.00	60.4 PK	68.2	-7.8	1.57 V	140	42.2	18.2

REMARKS:

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

802.11ac (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	69.4 PK	74.0	-4.6	1.60 H	241	66.4	3.0
2	5150.00	53.9 AV	54.0	-0.1	1.60 H	241	50.9	3.0
3	*5190.00	105.2 PK			1.60 H	241	102.4	2.8
4	*5190.00	95.2 AV			1.60 H	241	92.4	2.8
5	#10380.00	54.3 PK	68.2	-13.9	1.61 H	258	41.9	12.4
6	15570.00	60.0 PK	74.0	-14.0	1.72 H	333	47.2	12.8
7	15570.00	47.8 AV	54.0	-6.2	1.72 H	333	35.0	12.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	64.7 PK	74.0	-9.3	2.01 V	165	61.7	3.0
2	5150.00	48.9 AV	54.0	-5.1	2.01 V	165	45.9	3.0
3	*5190.00	102.2 PK			2.01 V	165	99.4	2.8
4	*5190.00	92.6 AV			2.01 V	165	89.8	2.8
5	#10380.00	53.4 PK	68.2	-14.8	1.66 V	235	41.0	12.4
6	15570.00	60.9 PK	74.0	-13.1	1.52 V	131	48.1	12.8
7	15570.00	48.4 AV	54.0	-5.6	1.52 V	131	35.6	12.8

REMARKS:

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

CHANNEL	TX Channel 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	101.0 PK			1.63 H	252	98.5	2.5
2	*5230.00	98.7 AV			1.63 H	252	96.2	2.5
3	5350.00	64.9 PK	74.0	-9.1	1.63 H	252	62.3	2.6
4	5350.00	52.9 AV	54.0	-1.1	1.63 H	252	50.3	2.6
5	#10460.00	53.8 PK	68.2	-14.4	1.71 H	252	40.9	12.9
6	15690.00	60.7 PK	74.0	-13.3	1.71 H	341	48.3	12.4
7	15690.00	48.2 AV	54.0	-5.8	1.71 H	341	35.8	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	99.3 PK			1.98 V	166	96.8	2.5
2	*5230.00	97.2 AV			1.98 V	166	94.7	2.5
3	5350.00	64.7 PK	74.0	-9.3	1.98 V	166	62.1	2.6
4	5350.00	49.4 AV	54.0	-4.6	1.98 V	166	46.8	2.6
5	#10460.00	53.4 PK	68.2	-14.8	1.69 V	235	40.5	12.9
6	15690.00	61.6 PK	74.0	-12.4	1.49 V	139	49.2	12.4
7	15690.00	48.6 AV	54.0	-5.4	1.49 V	139	36.2	12.4

REMARKS:

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

CHANNEL	TX Channel 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	71.9 PK	74.0	-2.1	1.63 H	243	68.9	3.0
2	5150.00	53.8 AV	54.0	-0.2	1.63 H	243	50.8	3.0
3	*5270.00	110.6 PK			1.63 H	243	108.2	2.4
4	*5270.00	100.6 AV			1.63 H	243	98.2	2.4
5	#10540.00	54.7 PK	68.2	-13.5	1.68 H	243	41.9	12.8
6	15810.00	60.2 PK	74.0	-13.8	1.75 H	330	47.8	12.4
7	15810.00	48.2 AV	54.0	-5.8	1.75 H	330	35.8	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	64.7 PK	74.0	-9.3	1.98 V	163	61.7	3.0
2	5150.00	49.4 AV	54.0	-4.6	1.98 V	163	46.4	3.0
3	*5270.00	110.1 PK			1.98 V	163	107.7	2.4
4	*5270.00	100.0 AV			1.98 V	163	97.6	2.4
5	#10540.00	54.4 PK	68.2	-13.8	1.63 V	233	41.6	12.8
6	15810.00	61.1 PK	74.0	-12.9	1.54 V	128	48.7	12.4
7	15810.00	48.9 AV	54.0	-5.1	1.54 V	128	36.5	12.4

REMARKS:

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

CHANNEL	TX Channel 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	104.2 PK			1.62 H	258	101.8	2.4
2	*5310.00	95.1 AV			1.62 H	258	92.7	2.4
3	5350.00	70.4 PK	74.0	-3.6	1.62 H	258	67.8	2.6
4	5350.00	53.7 AV	54.0	-0.3	1.62 H	258	51.1	2.6
5	10620.00	54.0 PK	74.0	-20.0	1.65 H	260	41.5	12.5
6	10620.00	41.4 AV	54.0	-12.6	1.65 H	260	28.9	12.5
7	15930.00	60.2 PK	74.0	-13.8	1.77 H	347	47.8	12.4
8	15930.00	47.8 AV	54.0	-6.2	1.77 H	347	35.4	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	102.1 PK			1.90 V	171	99.7	2.4
2	*5310.00	92.2 AV			1.90 V	171	89.8	2.4
3	5350.00	64.8 PK	74.0	-9.2	1.90 V	171	62.2	2.6
4	5350.00	49.5 AV	54.0	-4.5	1.90 V	171	46.9	2.6
5	10620.00	53.6 PK	74.0	-20.4	1.66 V	248	41.1	12.5
6	10620.00	40.5 AV	54.0	-13.5	1.66 V	248	28.0	12.5
7	15930.00	62.1 PK	74.0	-11.9	1.53 V	110	49.7	12.4
8	15930.00	49.2 AV	54.0	-4.8	1.53 V	110	36.8	12.4

REMARKS:

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

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	#5470.00	68.1 PK	68.2	-0.1	1.58 H	247	65.2	2.9
2	*5510.00	103.4 PK			1.58 H	247	100.5	2.9
3	*5510.00	93.8 AV			1.58 H	247	90.9	2.9
4	11020.00	53.5 PK	74.0	-20.5	1.71 H	266	40.3	13.2
5	11020.00	41.2 AV	54.0	-12.8	1.71 H	266	28.0	13.2
6	#16530.00	59.5 PK	68.2	-8.7	1.58 H	247	44.6	14.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	65.4 PK	68.2	-2.8	1.90 V	172	62.5	2.9
2	*5510.00	102.6 PK			1.90 V	172	99.7	2.9
3	*5510.00	92.7 AV			1.90 V	172	89.8	2.9
4	11020.00	53.2 PK	74.0	-20.8	1.62 V	240	40.0	13.2
5	11020.00	40.5 AV	54.0	-13.5	1.62 V	240	27.3	13.2
6	#16530.00	60.3 PK	68.2	-7.9	1.50 V	121	45.4	14.9

REMARKS:

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

CHANNEL	TX Channel 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	#5470.00	68.1 PK	68.2	-0.1	1.61 H	253	65.2	2.9
2	*5550.00	110.1 PK			1.61 H	253	107.1	3.0
3	*5550.00	100.3 AV			1.61 H	253	97.3	3.0
4	11100.00	53.9 PK	74.0	-20.1	1.70 H	270	40.9	13.0
5	11100.00	41.7 AV	54.0	-12.3	1.70 H	270	28.7	13.0
6	#16650.00	59.5 PK	68.2	-8.7	1.76 H	335	43.9	15.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	64.5 PK	68.2	-3.7	1.98 V	162	61.6	2.9
2	*5550.00	108.4 PK			1.98 V	162	105.4	3.0
3	*5550.00	98.6 AV			1.98 V	162	95.6	3.0
4	11100.00	53.9 PK	74.0	-20.1	1.63 V	247	40.9	13.0
5	11100.00	41.2 AV	54.0	-12.8	1.63 V	247	28.2	13.0
6	#16650.00	60.4 PK	68.2	-7.8	1.57 V	138	44.8	15.6

REMARKS:

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

CHANNEL	TX Channel 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	106.4 PK			1.68 H	254	103.1	3.3
2	*5670.00	96.4 AV			1.68 H	254	93.1	3.3
3	#5725.00	65.7 PK	68.2	-2.5	1.68 H	254	62.4	3.3
4	11340.00	53.2 PK	74.0	-20.8	1.68 H	249	39.7	13.5
5	11340.00	40.9 AV	54.0	-13.1	1.68 H	249	27.4	13.5
6	#17010.00	59.3 PK	68.2	-8.9	1.71 H	332	42.8	16.5
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	*5670.00	103.7 PK			1.98 V	174	100.4	3.3
2	*5670.00	93.7 AV			1.98 V	174	90.4	3.3
3	#5725.00	61.9 PK	68.2	-6.3	1.98 V	174	58.6	3.3
4	11340.00	53.8 PK	74.0	-20.2	1.65 V	242	40.3	13.5
5	11340.00	40.7 AV	54.0	-13.3	1.65 V	242	27.2	13.5
6	#17010.00	62.0 PK	68.2	-6.2	1.57 V	134	45.5	16.5

REMARKS:

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

CHANNEL	TX Channel 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	#5636.39	54.0 PK	68.2	-14.2	1.68 H	240	50.8	3.2
2	*5755.00	104.7 PK			1.68 H	240	101.4	3.3
3	*5755.00	94.2 AV			1.68 H	240	90.9	3.3
4	#5985.47	51.5 PK	68.2	-16.7	1.68 H	240	47.8	3.7
5	11510.00	54.6 PK	74.0	-19.4	1.70 H	248	41.2	13.4
6	11510.00	41.6 AV	54.0	-12.4	1.70 H	248	28.2	13.4
7	#17265.00	59.4 PK	68.2	-8.8	1.80 H	351	42.6	16.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5589.56	51.8 PK	68.2	-16.4	1.96 V	164	48.6	3.2
2	*5755.00	102.9 PK			1.96 V	164	99.6	3.3
3	*5755.00	91.7 AV			1.96 V	164	88.4	3.3
4	#5976.94	52.2 PK	68.2	-16.0	1.96 V	164	48.6	3.6
5	11510.00	52.9 PK	74.0	-21.1	1.67 V	250	39.5	13.4
6	11510.00	40.4 AV	54.0	-13.6	1.67 V	250	27.0	13.4
7	#17265.00	60.9 PK	68.2	-7.3	1.57 V	127	44.1	16.8

REMARKS:

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

CHANNEL	TX Channel 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	#5608.57	52.6 PK	68.2	-15.6	1.59 H	250	49.3	3.3
2	*5795.00	106.2 PK			1.59 H	250	102.9	3.3
3	*5795.00	95.8 AV			1.59 H	250	92.5	3.3
4	#5939.71	52.3 PK	68.2	-15.9	1.59 H	250	48.7	3.6
5	11590.00	54.7 PK	74.0	-19.3	1.72 H	248	41.3	13.4
6	11590.00	42.1 AV	54.0	-11.9	1.72 H	248	28.7	13.4
7	#17385.00	60.0 PK	68.2	-8.2	1.80 H	334	42.5	17.5
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	#5577.03	52.5 PK	68.2	-15.7	1.92 V	168	49.3	3.2
2	*5795.00	103.2 PK			1.92 V	168	99.9	3.3
3	*5795.00	93.6 AV			1.92 V	168	90.3	3.3
4	#5982.35	53.0 PK	68.2	-15.2	1.92 V	168	49.3	3.7
5	11590.00	52.7 PK	74.0	-21.3	1.68 V	223	39.3	13.4
6	11590.00	40.0 AV	54.0	-14.0	1.68 V	223	26.6	13.4
7	#17385.00	60.4 PK	68.2	-7.8	1.59 V	110	42.9	17.5

REMARKS:

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

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	66.5 PK	74.0	-7.5	1.58 H	247	63.5	3.0
2	5150.00	53.6 AV	54.0	-0.4	1.58 H	247	50.6	3.0
3	*5210.00	103.9 PK			1.58 H	247	101.2	2.7
4	*5210.00	93.2 AV			1.58 H	247	90.5	2.7
5	#10420.00	54.4 PK	68.2	-13.8	1.66 H	252	41.8	12.6
6	15630.00	59.4 PK	74.0	-14.6	1.72 H	333	46.7	12.7
7	15630.00	47.3 AV	54.0	-6.7	1.72 H	333	34.6	12.7

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	64.7 PK	74.0	-9.3	1.96 V	179	61.7	3.0
2	5150.00	52.4 AV	54.0	-1.6	1.96 V	179	49.4	3.0
3	*5210.00	102.2 PK			1.96 V	179	99.5	2.7
4	*5210.00	92.2 AV			1.96 V	179	89.5	2.7
5	#10420.00	53.4 PK	68.2	-14.8	1.65 V	250	40.8	12.6
6	15630.00	61.1 PK	74.0	-12.9	1.56 V	139	48.4	12.7
7	15630.00	48.7 AV	54.0	-5.3	1.56 V	139	36.0	12.7

REMARKS:

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

CHANNEL	TX Channel 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	103.7 PK			1.59 H	230	101.3	2.4
2	*5290.00	92.4 AV			1.59 H	230	90.0	2.4
3	5350.00	68.8 PK	74.0	-5.2	1.59 H	230	66.2	2.6
4	5350.00	52.8 AV	54.0	-1.2	1.59 H	230	50.2	2.6
5	#10580.00	53.4 PK	68.2	-14.8	1.60 H	271	40.8	12.6
6	15870.00	60.4 PK	74.0	-13.6	1.71 H	350	48.0	12.4
7	15870.00	48.2 AV	54.0	-5.8	1.71 H	350	35.8	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	102.2 PK			1.98 V	156	99.8	2.4
2	*5290.00	91.2 AV			1.98 V	156	88.8	2.4
3	5350.00	68.5 PK	74.0	-5.5	1.98 V	156	65.9	2.6
4	5350.00	52.3 AV	54.0	-1.7	1.98 V	156	49.7	2.6
5	#10580.00	54.2 PK	68.2	-14.0	1.68 V	224	41.6	12.6
6	15870.00	61.1 PK	74.0	-12.9	1.56 V	133	48.7	12.4
7	15870.00	48.1 AV	54.0	-5.9	1.56 V	133	35.7	12.4

REMARKS:

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

CHANNEL	TX Channel 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	#5470.00	68.1 PK	68.2	-0.1	1.68 H	230	65.2	2.9
2	*5530.00	103.9 PK			1.68 H	230	100.9	3.0
3	*5530.00	93.0 AV			1.68 H	230	90.0	3.0
4	11060.00	54.1 PK	74.0	-19.9	1.69 H	259	40.9	13.2
5	11060.00	41.1 AV	54.0	-12.9	1.69 H	259	27.9	13.2
6	#16590.00	60.0 PK	68.2	-8.2	1.72 H	331	44.9	15.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	67.7 PK	68.2	-0.5	1.89 V	178	64.8	2.9
2	*5530.00	102.3 PK			1.89 V	178	99.3	3.0
3	*5530.00	91.9 AV			1.89 V	178	88.9	3.0
4	11060.00	53.8 PK	74.0	-20.2	1.66 V	244	40.6	13.2
5	11060.00	41.0 AV	54.0	-13.0	1.66 V	244	27.8	13.2
6	#16590.00	61.0 PK	68.2	-7.2	1.48 V	118	45.9	15.1

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	67.6 PK	68.2	-0.6	1.64 H	234	64.7	2.9
2	*5610.00	106.4 PK			1.64 H	234	103.1	3.3
3	*5610.00	95.5 AV			1.64 H	234	92.2	3.3
4	#5725.00	65.9 PK	68.2	-2.3	1.64 H	234	62.6	3.3
5	11220.00	53.6 PK	74.0	-20.4	1.67 H	244	40.4	13.2
6	11220.00	41.2 AV	54.0	-12.8	1.67 H	244	28.0	13.2
7	#16830.00	61.0 PK	68.2	-7.2	1.74 H	355	44.4	16.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	66.3 PK	68.2	-1.9	2.00 V	166	63.4	2.9
2	*5610.00	105.2 PK			2.00 V	166	101.9	3.3
3	*5610.00	93.8 AV			2.00 V	166	90.5	3.3
4	#5725.00	64.4 PK	68.2	-3.8	2.00 V	166	61.1	3.3
5	11220.00	53.2 PK	74.0	-20.8	1.60 V	252	40.0	13.2
6	11220.00	40.7 AV	54.0	-13.3	1.60 V	252	27.5	13.2
7	#16830.00	62.3 PK	68.2	-5.9	1.50 V	121	45.7	16.6

REMARKS:

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

CHANNEL	TX Channel 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	#5643.63	62.5 PK	68.2	-5.7	1.57 H	244	59.3	3.2
2	*5775.00	100.6 PK			1.57 H	244	97.2	3.4
3	*5775.00	89.7 AV			1.57 H	244	86.3	3.4
4	#5985.57	52.4 PK	68.2	-15.8	1.57 H	244	48.7	3.7
5	11550.00	55.0 PK	74.0	-19.0	1.61 H	269	41.7	13.3
6	11550.00	41.9 AV	54.0	-12.1	1.61 H	269	28.6	13.3
7	#17325.00	60.3 PK	68.2	-7.9	1.77 H	344	43.2	17.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5633.43	58.7 PK	68.2	-9.5	1.92 V	157	55.5	3.2
2	*5775.00	99.7 PK			1.92 V	157	96.3	3.4
3	*5775.00	88.6 AV			1.92 V	157	85.2	3.4
4	#5990.74	52.2 PK	68.2	-16.0	1.92 V	157	48.5	3.7
5	11550.00	53.9 PK	74.0	-20.1	1.67 V	224	40.6	13.3
6	11550.00	40.8 AV	54.0	-13.2	1.67 V	224	27.5	13.3
7	#17325.00	61.2 PK	68.2	-7.0	1.48 V	127	44.1	17.1

REMARKS:

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

4.1.8 Test Results (Dipole Antenna)

Above 1GHz Data:

802.11a

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	53.7 PK	74.0	-20.3	1.27 H	321	50.7	3.0
2	5150.00	40.6 AV	54.0	-13.4	1.27 H	321	37.6	3.0
3	*5180.00	100.9 PK			1.27 H	321	98.1	2.8
4	*5180.00	90.8 AV			1.27 H	321	88.0	2.8
5	#10360.00	45.1 PK	68.2	-23.1	1.16 H	31	32.7	12.4
6	15540.00	50.0 PK	74.0	-24.0	1.32 H	298	37.2	12.8
7	15540.00	37.8 AV	54.0	-16.2	1.32 H	298	25.0	12.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.7 PK	74.0	-14.3	1.37 V	181	56.7	3.0
2	5150.00	46.8 AV	54.0	-7.2	1.37 V	181	43.8	3.0
3	*5180.00	109.1 PK			1.37 V	181	106.3	2.8
4	*5180.00	99.1 AV			1.37 V	181	96.3	2.8
5	#10360.00	48.3 PK	68.2	-19.9	1.34 V	160	35.9	12.4
6	15540.00	50.2 PK	74.0	-23.8	1.37 V	143	37.4	12.8
7	15540.00	38.3 AV	54.0	-15.7	1.37 V	143	25.5	12.8

REMARKS:

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

CHANNEL	TX Channel 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	54.1 PK	74.0	-19.9	1.32 H	308	51.1	3.0
2	5150.00	41.4 AV	54.0	-12.6	1.32 H	308	38.4	3.0
3	*5200.00	103.0 PK			1.32 H	308	100.3	2.7
4	*5200.00	93.1 AV			1.32 H	308	90.4	2.7
5	#10400.00	46.2 PK	68.2	-22.0	1.16 H	16	33.7	12.5
6	15600.00	51.3 PK	74.0	-22.7	1.37 H	283	38.5	12.8
7	15600.00	38.3 AV	54.0	-15.7	1.37 H	283	25.5	12.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.5 PK	74.0	-14.5	1.29 V	180	56.5	3.0
2	5150.00	47.1 AV	54.0	-6.9	1.29 V	180	44.1	3.0
3	*5200.00	111.2 PK			1.29 V	180	108.5	2.7
4	*5200.00	101.4 AV			1.29 V	180	98.7	2.7
5	#10400.00	49.3 PK	68.2	-18.9	1.33 V	164	36.8	12.5
6	15600.00	51.3 PK	74.0	-22.7	1.36 V	129	38.5	12.8
7	15600.00	39.2 AV	54.0	-14.8	1.36 V	129	26.4	12.8

REMARKS:

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

CHANNEL	TX Channel 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	102.6 PK			1.32 H	295	100.1	2.5
2	*5240.00	92.7 AV			1.32 H	295	90.2	2.5
3	5350.00	51.1 PK	74.0	-22.9	1.32 H	295	48.5	2.6
4	5350.00	38.4 AV	54.0	-15.6	1.32 H	295	35.8	2.6
5	#10480.00	45.6 PK	68.2	-22.6	1.16 H	21	32.6	13.0
6	15720.00	51.2 PK	74.0	-22.8	1.32 H	279	38.8	12.4
7	15720.00	38.3 AV	54.0	-15.7	1.32 H	279	25.9	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	111.5 PK			1.32 V	180	109.0	2.5
2	*5240.00	101.5 AV			1.32 V	180	99.0	2.5
3	5350.00	51.9 PK	74.0	-22.1	1.32 V	180	49.3	2.6
4	5350.00	39.2 AV	54.0	-14.8	1.32 V	180	36.6	2.6
5	#10480.00	49.4 PK	68.2	-18.8	1.28 V	175	36.4	13.0
6	15720.00	51.7 PK	74.0	-22.3	1.32 V	128	39.3	12.4
7	15720.00	39.6 AV	54.0	-14.4	1.32 V	128	27.2	12.4

REMARKS:

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

CHANNEL	TX Channel 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	48.9 PK	74.0	-25.1	1.27 H	298	45.9	3.0
2	5150.00	37.5 AV	54.0	-16.5	1.27 H	298	34.5	3.0
3	*5260.00	102.0 PK			1.27 H	298	99.6	2.4
4	*5260.00	92.4 AV			1.27 H	298	90.0	2.4
5	#10520.00	44.9 PK	68.2	-23.3	1.22 H	30	32.0	12.9
6	15780.00	48.7 PK	74.0	-25.3	1.40 H	278	36.2	12.5
7	15780.00	37.6 AV	54.0	-16.4	1.40 H	278	25.1	12.5
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	5150.00	49.1 PK	74.0	-24.9	1.18 V	181	46.1	3.0
2	5150.00	37.8 AV	54.0	-16.2	1.18 V	181	34.8	3.0
3	*5260.00	110.9 PK			1.18 V	181	108.5	2.4
4	*5260.00	101.0 AV			1.18 V	181	98.6	2.4
5	#10520.00	49.9 PK	68.2	-18.3	1.32 V	142	37.0	12.9
6	15780.00	50.7 PK	74.0	-23.3	1.39 V	109	38.2	12.5
7	15780.00	39.0 AV	54.0	-15.0	1.39 V	109	26.5	12.5

REMARKS:

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

CHANNEL	TX Channel 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	101.8 PK			1.32 H	288	99.3	2.5
2	*5300.00	91.2 AV			1.32 H	288	88.7	2.5
3	10600.00	44.9 PK	74.0	-29.1	1.26 H	31	32.5	12.4
4	10600.00	32.6 AV	54.0	-21.4	1.26 H	31	20.2	12.4
5	15900.00	48.7 PK	74.0	-25.3	1.35 H	262	36.4	12.3
6	15900.00	37.4 AV	54.0	-16.6	1.35 H	262	25.1	12.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	110.7 PK			1.21 V	183	108.2	2.5
2	*5300.00	100.8 AV			1.21 V	183	98.3	2.5
3	10600.00	49.6 PK	74.0	-24.4	1.29 V	155	37.2	12.4
4	10600.00	36.7 AV	54.0	-17.3	1.29 V	155	24.3	12.4
5	15900.00	51.1 PK	74.0	-22.9	1.34 V	105	38.8	12.3
6	15900.00	39.1 AV	54.0	-14.9	1.34 V	105	26.8	12.3

REMARKS:

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

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	100.9 PK			1.31 H	274	98.4	2.5
2	*5320.00	90.5 AV			1.31 H	274	88.0	2.5
3	5350.00	60.2 PK	74.0	-13.8	1.31 H	274	57.6	2.6
4	5350.00	45.3 AV	54.0	-8.7	1.31 H	274	42.7	2.6
5	10640.00	45.7 PK	74.0	-28.3	1.29 H	45	33.1	12.6
6	10640.00	33.1 AV	54.0	-20.9	1.29 H	45	20.5	12.6
7	15960.00	49.2 PK	74.0	-24.8	1.35 H	276	36.7	12.5
8	15960.00	37.9 AV	54.0	-16.1	1.35 H	276	25.4	12.5
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	*5320.00	109.1 PK			1.40 V	181	106.6	2.5
2	*5320.00	98.8 AV			1.40 V	181	96.3	2.5
3	5350.00	61.1 PK	74.0	-12.9	1.40 V	181	58.5	2.6
4	5350.00	46.1 AV	54.0	-7.9	1.40 V	181	43.5	2.6
5	10640.00	49.8 PK	74.0	-24.2	1.23 V	146	37.2	12.6
6	10640.00	37.1 AV	54.0	-16.9	1.23 V	146	24.5	12.6
7	15960.00	51.1 PK	74.0	-22.9	1.30 V	114	38.6	12.5
8	15960.00	39.2 AV	54.0	-14.8	1.30 V	114	26.7	12.5

REMARKS:

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

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	55.4 PK	74.0	-18.6	1.52 H	142	52.5	2.9
2	5460.00	42.3 AV	54.0	-11.7	1.52 H	142	39.4	2.9
3	#5470.00	60.1 PK	68.2	-8.1	1.52 H	142	57.2	2.9
4	*5500.00	100.5 PK			1.52 H	142	97.6	2.9
5	*5500.00	89.8 AV			1.52 H	142	86.9	2.9
6	11000.00	45.8 PK	74.0	-28.2	1.25 H	42	32.6	13.2
7	11000.00	33.1 AV	54.0	-20.9	1.25 H	42	19.9	13.2
8	#16500.00	50.8 PK	68.2	-17.4	1.34 H	310	35.8	15.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.3 PK	74.0	-16.7	1.41 V	172	54.4	2.9
2	5460.00	44.2 AV	54.0	-9.8	1.41 V	172	41.3	2.9
3	#5470.00	62.6 PK	68.2	-5.6	1.41 V	172	59.7	2.9
4	*5500.00	108.7 PK			1.41 V	172	105.8	2.9
5	*5500.00	98.1 AV			1.41 V	172	95.2	2.9
6	11000.00	49.1 PK	74.0	-24.9	1.26 V	127	35.9	13.2
7	11000.00	36.5 AV	54.0	-17.5	1.26 V	127	23.3	13.2
8	#16500.00	50.7 PK	68.2	-17.5	1.31 V	138	35.7	15.0

REMARKS:

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

CHANNEL	TX Channel 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	101.5 PK			1.49 H	138	98.3	3.2
2	*5580.00	91.1 AV			1.49 H	138	87.9	3.2
3	11160.00	45.6 PK	74.0	-28.4	1.22 H	28	32.5	13.1
4	11160.00	33.2 AV	54.0	-20.8	1.22 H	28	20.1	13.1
5	#16740.00	51.1 PK	68.2	-17.1	1.36 H	315	34.7	16.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	109.7 PK			1.23 V	179	106.5	3.2
2	*5580.00	99.4 AV			1.23 V	179	96.2	3.2
3	11160.00	49.5 PK	74.0	-24.5	1.24 V	132	36.4	13.1
4	11160.00	36.7 AV	54.0	-17.3	1.24 V	132	23.6	13.1
5	#16740.00	51.1 PK	68.2	-17.1	1.35 V	152	34.7	16.4

REMARKS:

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

CHANNEL	TX Channel 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	100.8 PK			1.45 H	148	97.4	3.4
2	*5700.00	90.2 AV			1.45 H	148	86.8	3.4
3	#5725.00	60.1 PK	68.2	-8.1	1.45 H	148	56.8	3.3
4	11400.00	45.9 PK	74.0	-28.1	1.27 H	15	32.4	13.5
5	11400.00	33.6 AV	54.0	-20.4	1.27 H	15	20.1	13.5
6	#17100.00	51.2 PK	68.2	-17.0	1.40 H	321	35.1	16.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	109.0 PK			1.01 V	175	105.6	3.4
2	*5700.00	98.5 AV			1.01 V	175	95.1	3.4
3	#5725.00	62.4 PK	68.2	-5.8	1.01 V	175	59.1	3.3
4	11400.00	49.8 PK	74.0	-24.2	1.26 V	134	36.3	13.5
5	11400.00	37.2 AV	54.0	-16.8	1.26 V	134	23.7	13.5
6	#17100.00	51.7 PK	68.2	-16.5	1.40 V	159	35.6	16.1

REMARKS:

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

CHANNEL	TX Channel 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	#5635.18	49.5 PK	68.2	-18.7	1.45 H	144	46.3	3.2
2	*5745.00	101.2 PK			1.45 H	144	97.9	3.3
3	*5745.00	90.7 AV			1.45 H	144	87.4	3.3
4	#5928.62	49.7 PK	68.2	-18.5	1.45 H	144	46.1	3.6
5	11490.00	46.1 PK	74.0	-27.9	1.23 H	10	32.7	13.4
6	11490.00	33.8 AV	54.0	-20.2	1.23 H	10	20.4	13.4
7	#17235.00	51.4 PK	68.2	-16.8	1.37 H	328	34.7	16.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5620.06	51.7 PK	68.2	-16.5	1.49 V	15	48.4	3.3
2	*5745.00	109.8 PK			1.49 V	15	106.5	3.3
3	*5745.00	99.7 AV			1.49 V	15	96.4	3.3
4	#5953.04	54.6 PK	68.2	-13.6	1.49 V	15	51.1	3.5
5	11490.00	49.5 PK	74.0	-24.5	1.28 V	154	36.1	13.4
6	11490.00	36.9 AV	54.0	-17.1	1.28 V	154	23.5	13.4
7	#17235.00	51.9 PK	68.2	-16.3	1.40 V	139	35.2	16.7

REMARKS:

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

CHANNEL	TX Channel 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	#5632.42	51.0 PK	68.2	-17.2	1.47 H	146	47.8	3.2
2	*5785.00	103.4 PK			1.47 H	146	100.1	3.3
3	*5785.00	93.1 AV			1.47 H	146	89.8	3.3
4	#5966.17	50.4 PK	68.2	-17.8	1.47 H	146	46.9	3.5
5	11570.00	45.9 PK	74.0	-28.1	1.25 H	7	32.5	13.4
6	11570.00	33.4 AV	54.0	-20.6	1.25 H	7	20.0	13.4
7	#17355.00	51.2 PK	68.2	-17.0	1.35 H	312	33.9	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5605.68	51.2 PK	68.2	-17.0	1.48 V	16	47.9	3.3
2	*5785.00	111.3 PK			1.48 V	16	108.0	3.3
3	*5785.00	101.3 AV			1.48 V	16	98.0	3.3
4	#5952.87	52.8 PK	68.2	-15.4	1.48 V	16	49.3	3.5
5	11570.00	48.9 PK	74.0	-25.1	1.37 V	139	35.5	13.4
6	11570.00	36.5 AV	54.0	-17.5	1.37 V	139	23.1	13.4
7	#17355.00	52.4 PK	68.2	-15.8	1.42 V	142	35.1	17.3

REMARKS:

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

CHANNEL	TX Channel 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	#5640.05	49.8 PK	68.2	-18.4	1.48 H	145	46.6	3.2
2	*5825.00	101.5 PK			1.48 H	145	98.0	3.5
3	*5825.00	91.1 AV			1.48 H	145	87.6	3.5
4	#5972.98	49.8 PK	68.2	-18.4	1.48 H	145	46.2	3.6
5	11650.00	46.3 PK	74.0	-27.7	1.22 H	21	33.0	13.3
6	11650.00	33.9 AV	54.0	-20.1	1.22 H	21	20.6	13.3
7	#17475.00	51.4 PK	68.2	-16.8	1.33 H	312	33.2	18.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5612.15	50.0 PK	68.2	-18.2	1.29 V	19	46.7	3.3
2	*5825.00	110.3 PK			1.29 V	19	106.8	3.5
3	*5825.00	99.9 AV			1.29 V	19	96.4	3.5
4	#5931.21	51.8 PK	68.2	-16.4	1.29 V	19	48.2	3.6
5	11650.00	49.4 PK	74.0	-24.6	1.31 V	148	36.1	13.3
6	11650.00	37.0 AV	54.0	-17.0	1.31 V	148	23.7	13.3
7	#17475.00	51.8 PK	68.2	-16.4	1.43 V	146	33.6	18.2

REMARKS:

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

802.11ac (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	57.4 PK	74.0	-16.6	1.22 H	324	54.4	3.0
2	5150.00	44.3 AV	54.0	-9.7	1.22 H	324	41.3	3.0
3	*5180.00	102.3 PK			1.22 H	324	99.5	2.8
4	*5180.00	92.1 AV			1.22 H	324	89.3	2.8
5	#10360.00	46.6 PK	68.2	-21.6	1.24 H	15	34.2	12.4
6	15540.00	50.1 PK	74.0	-23.9	1.33 H	287	37.3	12.8
7	15540.00	37.7 AV	54.0	-16.3	1.33 H	287	24.9	12.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.5 PK	74.0	-14.5	1.15 V	220	56.5	3.0
2	5150.00	46.5 AV	54.0	-7.5	1.15 V	220	43.5	3.0
3	*5180.00	110.5 PK			1.15 V	220	107.7	2.8
4	*5180.00	100.3 AV			1.15 V	220	97.5	2.8
5	#10360.00	48.9 PK	68.2	-19.3	1.09 V	167	36.5	12.4
6	15540.00	50.5 PK	74.0	-23.5	1.42 V	157	37.7	12.8
7	15540.00	38.7 AV	54.0	-15.3	1.42 V	157	25.9	12.8

REMARKS:

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

CHANNEL	TX Channel 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	60.1 PK	74.0	-13.9	1.26 H	340	57.1	3.0
2	5150.00	46.4 AV	54.0	-7.6	1.26 H	340	43.4	3.0
3	*5200.00	105.5 PK			1.26 H	340	102.8	2.7
4	*5200.00	95.5 AV			1.26 H	340	92.8	2.7
5	#10400.00	47.2 PK	68.2	-21.0	1.29 H	6	34.7	12.5
6	15600.00	48.4 PK	74.0	-25.6	1.35 H	360	35.6	12.8
7	15600.00	37.1 AV	54.0	-16.9	1.35 H	360	24.3	12.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	62.2 PK	74.0	-11.8	1.04 V	219	59.2	3.0
2	5150.00	48.0 AV	54.0	-6.0	1.04 V	219	45.0	3.0
3	*5200.00	113.7 PK			1.04 V	219	111.0	2.7
4	*5200.00	103.8 AV			1.04 V	219	101.1	2.7
5	#10400.00	49.4 PK	68.2	-18.8	1.15 V	172	36.9	12.5
6	15600.00	51.1 PK	74.0	-22.9	1.37 V	150	38.3	12.8
7	15600.00	39.2 AV	54.0	-14.8	1.37 V	150	26.4	12.8

REMARKS:

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

CHANNEL	TX Channel 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	5150.00	50.6 PK	74.0	-23.4	1.26 H	348	47.6	3.0
2	5150.00	38.6 AV	54.0	-15.4	1.26 H	348	35.6	3.0
3	*5240.00	107.0 PK			1.26 H	348	104.5	2.5
4	*5240.00	96.6 AV			1.26 H	348	94.1	2.5
5	5350.00	49.6 PK	74.0	-24.4	1.26 H	348	47.0	2.6
6	5350.00	37.1 AV	54.0	-16.9	1.26 H	348	34.5	2.6
7	#10480.00	47.8 PK	68.2	-20.4	1.24 H	8	34.8	13.0
8	15720.00	47.6 PK	74.0	-26.4	1.36 H	360	35.2	12.4
9	15720.00	37.2 AV	54.0	-16.8	1.36 H	360	24.8	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	52.5 PK	74.0	-21.5	1.08 V	220	49.5	3.0
2	5150.00	40.0 AV	54.0	-14.0	1.08 V	220	37.0	3.0
3	*5240.00	115.2 PK			1.08 V	220	112.7	2.5
4	*5240.00	104.9 AV			1.08 V	220	102.4	2.5
5	5350.00	51.4 PK	74.0	-22.6	1.08 V	220	48.8	2.6
6	5350.00	39.2 AV	54.0	-14.8	1.08 V	220	36.6	2.6
7	#10480.00	50.8 PK	68.2	-17.4	1.11 V	172	37.8	13.0
8	15720.00	49.9 PK	74.0	-24.1	1.37 V	169	37.5	12.4
9	15720.00	38.2 AV	54.0	-15.8	1.37 V	169	25.8	12.4

REMARKS:

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

CHANNEL	TX Channel 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	49.2 PK	74.0	-24.8	1.22 H	343	46.2	3.0
2	5150.00	36.4 AV	54.0	-17.6	1.22 H	343	33.4	3.0
3	*5260.00	107.0 PK			1.22 H	343	104.6	2.4
4	*5260.00	96.8 AV			1.22 H	343	94.4	2.4
5	5350.00	52.1 PK	74.0	-21.9	1.22 H	343	49.5	2.6
6	5350.00	38.3 AV	54.0	-15.7	1.22 H	343	35.7	2.6
7	#10520.00	47.8 PK	68.2	-20.4	1.20 H	4	34.9	12.9
8	15780.00	48.1 PK	74.0	-25.9	1.33 H	360	35.6	12.5
9	15780.00	36.4 AV	54.0	-17.6	1.33 H	360	23.9	12.5
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	5150.00	50.3 PK	74.0	-23.7	1.00 V	220	47.3	3.0
2	5150.00	37.9 AV	54.0	-16.1	1.00 V	220	34.9	3.0
3	*5260.00	115.2 PK			1.00 V	220	112.8	2.4
4	*5260.00	105.1 AV			1.00 V	220	102.7	2.4
5	5350.00	55.4 PK	74.0	-18.6	1.00 V	220	52.8	2.6
6	5350.00	40.7 AV	54.0	-13.3	1.00 V	220	38.1	2.6
7	#10520.00	50.7 PK	68.2	-17.5	1.11 V	169	37.8	12.9
8	15780.00	50.4 PK	74.0	-23.6	1.44 V	154	37.9	12.5
9	15780.00	38.5 AV	54.0	-15.5	1.44 V	154	26.0	12.5

REMARKS:

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

CHANNEL	TX Channel 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	105.8 PK			1.24 H	358	103.3	2.5
2	*5300.00	95.6 AV			1.24 H	358	93.1	2.5
3	10600.00	49.5 PK	74.0	-24.5	1.25 H	10	37.1	12.4
4	10600.00	34.5 AV	54.0	-19.5	1.25 H	10	22.1	12.4
5	15900.00	48.7 PK	74.0	-25.3	1.39 H	356	36.4	12.3
6	15900.00	36.7 AV	54.0	-17.3	1.39 H	356	24.4	12.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	114.0 PK			1.10 V	219	111.5	2.5
2	*5300.00	103.9 AV			1.10 V	219	101.4	2.5
3	10600.00	50.1 PK	74.0	-23.9	1.14 V	163	37.7	12.4
4	10600.00	36.1 AV	54.0	-17.9	1.14 V	163	23.7	12.4
5	15900.00	50.5 PK	74.0	-23.5	1.47 V	165	38.2	12.3
6	15900.00	38.4 AV	54.0	-15.6	1.47 V	165	26.1	12.3

REMARKS:

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

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	103.4 PK			1.20 H	360	100.9	2.5
2	*5320.00	92.6 AV			1.20 H	360	90.1	2.5
3	5350.00	56.7 PK	74.0	-17.3	1.20 H	360	54.1	2.6
4	5350.00	43.2 AV	54.0	-10.8	1.20 H	360	40.6	2.6
5	10640.00	49.1 PK	74.0	-24.9	1.20 H	17	36.5	12.6
6	10640.00	34.3 AV	54.0	-19.7	1.20 H	17	21.7	12.6
7	15960.00	48.2 PK	74.0	-25.8	1.44 H	351	35.7	12.5
8	15960.00	36.2 AV	54.0	-17.8	1.44 H	351	23.7	12.5
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	*5320.00	111.6 PK			1.04 V	218	109.1	2.5
2	*5320.00	100.9 AV			1.04 V	218	98.4	2.5
3	5350.00	58.9 PK	74.0	-15.1	1.04 V	218	56.3	2.6
4	5350.00	45.5 AV	54.0	-8.5	1.04 V	218	42.9	2.6
5	10640.00	50.6 PK	74.0	-23.4	1.19 V	178	38.0	12.6
6	10640.00	36.5 AV	54.0	-17.5	1.19 V	178	23.9	12.6
7	15960.00	50.2 PK	74.0	-23.8	1.42 V	160	37.7	12.5
8	15960.00	38.7 AV	54.0	-15.3	1.42 V	160	26.2	12.5

REMARKS:

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

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	56.3 PK	74.0	-17.7	1.21 H	360	53.4	2.9
2	5460.00	43.1 AV	54.0	-10.9	1.21 H	360	40.2	2.9
3	#5470.00	58.4 PK	68.2	-9.8	1.21 H	360	55.5	2.9
4	*5500.00	104.3 PK			1.21 H	360	101.4	2.9
5	*5500.00	93.5 AV			1.21 H	360	90.6	2.9
6	11000.00	47.8 PK	74.0	-26.2	1.18 H	24	34.6	13.2
7	11000.00	34.5 AV	54.0	-19.5	1.18 H	24	21.3	13.2
8	#16500.00	50.6 PK	68.2	-17.6	1.43 H	339	35.6	15.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.5 PK	74.0	-15.5	1.31 V	216	55.6	2.9
2	5460.00	45.2 AV	54.0	-8.8	1.31 V	216	42.3	2.9
3	#5470.00	61.0 PK	68.2	-7.2	1.31 V	216	58.1	2.9
4	*5500.00	112.5 PK			1.31 V	216	109.6	2.9
5	*5500.00	101.8 AV			1.31 V	216	98.9	2.9
6	11000.00	50.5 PK	74.0	-23.5	1.15 V	185	37.3	13.2
7	11000.00	36.6 AV	54.0	-17.4	1.15 V	185	23.4	13.2
8	#16500.00	52.9 PK	68.2	-15.3	1.41 V	173	37.9	15.0

REMARKS:

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

CHANNEL	TX Channel 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	107.3 PK			1.23 H	360	104.1	3.2
2	*5580.00	96.3 AV			1.23 H	360	93.1	3.2
3	11160.00	48.4 PK	74.0	-25.6	1.19 H	17	35.3	13.1
4	11160.00	34.6 AV	54.0	-19.4	1.19 H	17	21.5	13.1
5	#16740.00	51.1 PK	68.2	-17.1	1.41 H	327	34.7	16.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	115.5 PK			1.30 V	213	112.3	3.2
2	*5580.00	104.6 AV			1.30 V	213	101.4	3.2
3	11160.00	50.7 PK	74.0	-23.3	1.12 V	185	37.6	13.1
4	11160.00	36.9 AV	54.0	-17.1	1.12 V	185	23.8	13.1
5	#16740.00	52.2 PK	68.2	-16.0	1.40 V	164	35.8	16.4

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	104.2 PK			1.29 H	158	100.8	3.4
2	*5700.00	93.4 AV			1.29 H	158	90.0	3.4
3	#5725.00	56.4 PK	68.2	-11.8	1.29 H	158	53.1	3.3
4	11400.00	48.2 PK	74.0	-25.8	1.20 H	8	34.7	13.5
5	11400.00	33.8 AV	54.0	-20.2	1.20 H	8	20.3	13.5
6	#17100.00	51.2 PK	68.2	-17.0	1.46 H	336	35.1	16.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	112.4 PK			1.35 V	215	109.0	3.4
2	*5700.00	101.7 AV			1.35 V	215	98.3	3.4
3	#5725.00	58.9 PK	68.2	-9.3	1.35 V	215	55.6	3.3
4	11400.00	50.3 PK	74.0	-23.7	1.15 V	192	36.8	13.5
5	11400.00	36.1 AV	54.0	-17.9	1.15 V	192	22.6	13.5
6	#17100.00	52.3 PK	68.2	-15.9	1.47 V	148	36.2	16.1

REMARKS:

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

CHANNEL	TX Channel 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	#5606.49	49.9 PK	68.2	-18.3	1.26 H	146	46.6	3.3
2	*5745.00	100.5 PK			1.26 H	146	97.2	3.3
3	*5745.00	90.6 AV			1.26 H	146	87.3	3.3
4	#5962.26	50.2 PK	68.2	-18.0	1.26 H	146	46.7	3.5
5	11490.00	45.6 PK	74.0	-28.4	1.20 H	0	32.2	13.4
6	11490.00	33.4 AV	54.0	-20.6	1.20 H	0	20.0	13.4
7	#17235.00	50.9 PK	68.2	-17.3	1.41 H	325	34.2	16.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5633.12	53.6 PK	68.2	-14.6	1.10 V	177	50.4	3.2
2	*5745.00	109.8 PK			1.10 V	177	106.5	3.3
3	*5745.00	100.1 AV			1.10 V	177	96.8	3.3
4	#5951.56	56.9 PK	68.2	-11.3	1.10 V	177	53.4	3.5
5	11490.00	50.4 PK	74.0	-23.6	1.16 V	186	37.0	13.4
6	11490.00	36.5 AV	54.0	-17.5	1.16 V	186	23.1	13.4
7	#17235.00	52.3 PK	68.2	-15.9	1.18 V	143	35.6	16.7

REMARKS:

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

CHANNEL	TX Channel 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	#5629.97	50.7 PK	68.2	-17.5	1.21 H	145	47.4	3.3
2	*5785.00	104.8 PK			1.21 H	145	101.5	3.3
3	*5785.00	95.0 AV			1.21 H	145	91.7	3.3
4	#5933.38	50.7 PK	68.2	-17.5	1.21 H	145	47.1	3.6
5	11570.00	50.7 PK	74.0	-23.3	1.20 H	5	37.3	13.4
6	11570.00	38.9 AV	54.0	-15.1	1.20 H	5	25.5	13.4
7	#17355.00	54.6 PK	68.2	-13.6	1.40 H	318	37.3	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5605.25	53.7 PK	68.2	-14.5	1.08 V	175	50.4	3.3
2	*5785.00	114.7 PK			1.08 V	175	111.4	3.3
3	*5785.00	103.9 AV			1.08 V	175	100.6	3.3
4	#5934.74	54.5 PK	68.2	-13.7	1.08 V	175	50.9	3.6
5	11570.00	53.1 PK	74.0	-20.9	1.19 V	181	39.7	13.4
6	11570.00	41.2 AV	54.0	-12.8	1.19 V	181	27.8	13.4
7	#17355.00	56.6 PK	68.2	-11.6	1.15 V	129	39.3	17.3

REMARKS:

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

CHANNEL	TX Channel 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	#5629.22	49.5 PK	68.2	-18.7	1.19 H	144	46.2	3.3
2	*5825.00	103.0 PK			1.19 H	144	99.5	3.5
3	*5825.00	93.1 AV			1.19 H	144	89.6	3.5
4	#5957.63	49.8 PK	68.2	-18.4	1.19 H	144	46.3	3.5
5	11650.00	49.2 PK	74.0	-24.8	1.22 H	1	35.9	13.3
6	11650.00	37.8 AV	54.0	-16.2	1.22 H	1	24.5	13.3
7	#17475.00	52.1 PK	68.2	-16.1	1.39 H	328	33.9	18.2
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5613.88	53.0 PK	68.2	-15.2	1.06 V	177	49.7	3.3
2	*5825.00	113.0 PK			1.06 V	177	109.5	3.5
3	*5825.00	102.2 AV			1.06 V	177	98.7	3.5
4	#5947.08	55.0 PK	68.2	-13.2	1.06 V	177	51.5	3.5
5	11650.00	50.6 PK	74.0	-23.4	1.18 V	185	37.3	13.3
6	11650.00	38.9 AV	54.0	-15.1	1.18 V	185	25.6	13.3
7	#17475.00	54.7 PK	68.2	-13.5	1.14 V	124	36.5	18.2

REMARKS:

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

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	63.4 PK	74.0	-10.6	1.17 H	132	60.4	3.0
2	5150.00	51.2 AV	54.0	-2.8	1.17 H	132	48.2	3.0
3	*5190.00	96.4 PK			1.17 H	132	93.6	2.8
4	*5190.00	87.8 AV			1.17 H	132	85.0	2.8
5	5350.00	48.2 PK	74.0	-25.8	1.17 H	132	45.6	2.6
6	5350.00	37.1 AV	54.0	-16.9	1.17 H	132	34.5	2.6
7	#10380.00	47.2 PK	68.2	-21.0	1.24 H	9	34.8	12.4
8	15570.00	49.2 PK	74.0	-24.8	1.36 H	337	36.4	12.8
9	15570.00	37.1 AV	54.0	-16.9	1.36 H	337	24.3	12.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.3 PK	74.0	-8.7	1.07 V	220	62.3	3.0
2	5150.00	53.6 AV	54.0	-0.4	1.07 V	220	50.6	3.0
3	*5190.00	104.6 PK			1.07 V	220	101.8	2.8
4	*5190.00	96.1 AV			1.07 V	220	93.3	2.8
5	5350.00	50.4 PK	74.0	-23.6	1.07 V	220	47.8	2.6
6	5350.00	38.7 AV	54.0	-15.3	1.07 V	220	36.1	2.6
7	#10380.00	48.6 PK	68.2	-19.6	1.14 V	172	36.2	12.4
8	15570.00	51.1 PK	74.0	-22.9	1.37 V	154	38.3	12.8
9	15570.00	38.5 AV	54.0	-15.5	1.37 V	154	25.7	12.8

REMARKS:

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

CHANNEL	TX Channel 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	64.2 PK	74.0	-9.8	1.22 H	121	61.2	3.0
2	5150.00	51.1 AV	54.0	-2.9	1.22 H	121	48.1	3.0
3	*5230.00	103.9 PK			1.22 H	121	101.4	2.5
4	*5230.00	94.7 AV			1.22 H	121	92.2	2.5
5	5350.00	57.3 PK	74.0	-16.7	1.22 H	121	54.7	2.6
6	5350.00	45.1 AV	54.0	-8.9	1.22 H	121	42.5	2.6
7	#10460.00	46.7 PK	68.2	-21.5	1.28 H	24	33.8	12.9
8	15690.00	49.8 PK	74.0	-24.2	1.31 H	345	37.4	12.4
9	15690.00	37.2 AV	54.0	-16.8	1.31 H	345	24.8	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	66.0 PK	74.0	-8.0	1.11 V	219	63.0	3.0
2	5150.00	53.3 AV	54.0	-0.7	1.11 V	219	50.3	3.0
3	*5230.00	112.1 PK			1.11 V	219	109.6	2.5
4	*5230.00	103.0 AV			1.11 V	219	100.5	2.5
5	5350.00	60.5 PK	74.0	-13.5	1.11 V	219	57.9	2.6
6	5350.00	47.2 AV	54.0	-6.8	1.11 V	219	44.6	2.6
7	#10460.00	48.7 PK	68.2	-19.5	1.20 V	162	35.8	12.9
8	15690.00	51.2 PK	74.0	-22.8	1.31 V	149	38.8	12.4
9	15690.00	38.5 AV	54.0	-15.5	1.31 V	149	26.1	12.4

REMARKS:

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

CHANNEL	TX Channel 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	54.1 PK	74.0	-19.9	1.23 H	106	51.1	3.0
2	5150.00	42.3 AV	54.0	-11.7	1.23 H	106	39.3	3.0
3	*5270.00	104.4 PK			1.23 H	106	102.0	2.4
4	*5270.00	95.1 AV			1.23 H	106	92.7	2.4
5	5350.00	64.4 PK	74.0	-9.6	1.23 H	106	61.8	2.6
6	5350.00	51.5 AV	54.0	-2.5	1.23 H	106	48.9	2.6
7	#10540.00	46.5 PK	68.2	-21.7	1.32 H	30	33.7	12.8
8	15810.00	49.8 PK	74.0	-24.2	1.36 H	336	37.4	12.4
9	15810.00	37.2 AV	54.0	-16.8	1.36 H	336	24.8	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.4 PK	74.0	-17.6	1.22 V	214	53.4	3.0
2	5150.00	44.1 AV	54.0	-9.9	1.22 V	214	41.1	3.0
3	*5270.00	112.6 PK			1.22 V	214	110.2	2.4
4	*5270.00	103.4 AV			1.22 V	214	101.0	2.4
5	5350.00	66.5 PK	74.0	-7.5	1.22 V	214	63.9	2.6
6	5350.00	53.8 AV	54.0	-0.2	1.22 V	214	51.2	2.6
7	#10540.00	48.6 PK	68.2	-19.6	1.18 V	170	35.8	12.8
8	15810.00	51.2 PK	74.0	-22.8	1.33 V	142	38.8	12.4
9	15810.00	38.1 AV	54.0	-15.9	1.33 V	142	25.7	12.4

REMARKS:

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

CHANNEL	TX Channel 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	99.0 PK			1.21 H	120	96.6	2.4
2	*5310.00	89.8 AV			1.21 H	120	87.4	2.4
3	5350.00	63.8 PK	74.0	-10.2	1.21 H	120	61.2	2.6
4	5350.00	51.4 AV	54.0	-2.6	1.21 H	120	48.8	2.6
5	10620.00	47.4 PK	74.0	-26.6	1.27 H	27	34.9	12.5
6	10620.00	34.6 AV	54.0	-19.4	1.27 H	27	22.1	12.5
7	15930.00	49.1 PK	74.0	-24.9	1.35 H	331	36.7	12.4
8	15930.00	37.2 AV	54.0	-16.8	1.35 H	331	24.8	12.4
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	107.2 PK			1.24 V	214	104.8	2.4
2	*5310.00	98.1 AV			1.24 V	214	95.7	2.4
3	5350.00	66.2 PK	74.0	-7.8	1.24 V	214	63.6	2.6
4	5350.00	53.9 AV	54.0	-0.1	1.24 V	214	51.3	2.6
5	10620.00	49.2 PK	74.0	-24.8	1.13 V	183	36.7	12.5
6	10620.00	36.4 AV	54.0	-17.6	1.13 V	183	23.9	12.5
7	15930.00	51.2 PK	74.0	-22.8	1.41 V	141	38.8	12.4
8	15930.00	38.2 AV	54.0	-15.8	1.41 V	141	25.8	12.4

REMARKS:

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

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	61.2 PK	74.0	-12.8	1.24 H	106	58.3	2.9
2	5460.00	48.9 AV	54.0	-5.1	1.24 H	106	46.0	2.9
3	#5470.00	66.2 PK	68.2	-2.0	1.24 H	106	63.3	2.9
4	*5510.00	98.2 PK			1.24 H	106	95.3	2.9
5	*5510.00	88.4 AV			1.24 H	106	85.5	2.9
6	11020.00	47.1 PK	74.0	-26.9	1.24 H	41	33.9	13.2
7	11020.00	34.5 AV	54.0	-19.5	1.24 H	41	21.3	13.2
8	#16530.00	48.6 PK	68.2	-19.6	1.31 H	330	33.7	14.9
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.1 PK	74.0	-10.9	1.22 V	210	60.2	2.9
2	5460.00	51.0 AV	54.0	-3.0	1.22 V	210	48.1	2.9
3	#5470.00	68.1 PK	68.2	-0.1	1.22 V	210	65.2	2.9
4	*5510.00	106.4 PK			1.22 V	210	103.5	2.9
5	*5510.00	96.7 AV			1.22 V	210	93.8	2.9
6	11020.00	49.5 PK	74.0	-24.5	1.10 V	168	36.3	13.2
7	11020.00	36.8 AV	54.0	-17.2	1.10 V	168	23.6	13.2
8	#16530.00	51.3 PK	68.2	-16.9	1.33 V	146	36.4	14.9

REMARKS:

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

CHANNEL	TX Channel 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	59.8 PK	74.0	-14.2	1.20 H	120	56.9	2.9
2	5460.00	48.3 AV	54.0	-5.7	1.20 H	120	45.4	2.9
3	#5470.00	64.5 PK	68.2	-3.7	1.20 H	120	61.6	2.9
4	*5550.00	102.4 PK			1.20 H	120	99.4	3.0
5	*5550.00	93.4 AV			1.20 H	120	90.4	3.0
6	11100.00	47.1 PK	74.0	-26.9	1.20 H	36	34.1	13.0
7	11100.00	34.2 AV	54.0	-19.8	1.20 H	36	21.2	13.0
8	#16650.00	48.8 PK	68.2	-19.4	1.34 H	345	33.2	15.6

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.2 PK	74.0	-11.8	1.28 V	213	59.3	2.9
2	5460.00	50.2 AV	54.0	-3.8	1.28 V	213	47.3	2.9
3	#5470.00	66.7 PK	68.2	-1.5	1.28 V	213	63.8	2.9
4	*5550.00	110.6 PK			1.28 V	213	107.6	3.0
5	*5550.00	101.7 AV			1.28 V	213	98.7	3.0
6	11100.00	49.3 PK	74.0	-24.7	1.09 V	180	36.3	13.0
7	11100.00	36.7 AV	54.0	-17.3	1.09 V	180	23.7	13.0
8	#16650.00	51.6 PK	68.2	-16.6	1.32 V	143	36.0	15.6

REMARKS:

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

CHANNEL	TX Channel 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	100.2 PK			1.26 H	113	96.9	3.3
2	*5670.00	90.6 AV			1.26 H	113	87.3	3.3
3	#5725.00	58.4 PK	68.2	-9.8	1.26 H	113	55.1	3.3
4	11340.00	47.3 PK	74.0	-26.7	1.18 H	38	33.8	13.5
5	11340.00	34.1 AV	54.0	-19.9	1.18 H	38	20.6	13.5
6	#17010.00	49.8 PK	68.2	-18.4	1.36 H	335	33.3	16.5
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	*5670.00	108.4 PK			1.35 V	212	105.1	3.3
2	*5670.00	98.9 AV			1.35 V	212	95.6	3.3
3	#5725.00	60.4 PK	68.2	-7.8	1.35 V	212	57.1	3.3
4	11340.00	49.2 PK	74.0	-24.8	1.17 V	187	35.7	13.5
5	11340.00	36.4 AV	54.0	-17.6	1.17 V	187	22.9	13.5
6	#17010.00	52.1 PK	68.2	-16.1	1.34 V	166	35.6	16.5

REMARKS:

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

CHANNEL	TX Channel 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	#5636.70	53.1 PK	68.2	-15.1	1.18 H	141	49.9	3.2
2	*5755.00	98.0 PK			1.18 H	141	94.7	3.3
3	*5755.00	89.0 AV			1.18 H	141	85.7	3.3
4	#5930.30	50.5 PK	68.2	-17.7	1.18 H	141	46.9	3.6
5	11510.00	47.6 PK	74.0	-26.4	1.20 H	34	34.2	13.4
6	11510.00	34.5 AV	54.0	-19.5	1.20 H	34	21.1	13.4
7	#17265.00	48.9 PK	68.2	-19.3	1.33 H	328	32.1	16.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5647.68	60.0 PK	68.2	-8.2	1.13 V	176	56.8	3.2
2	*5755.00	106.7 PK			1.13 V	176	103.4	3.3
3	*5755.00	97.6 AV			1.13 V	176	94.3	3.3
4	#5967.87	55.1 PK	68.2	-13.1	1.13 V	176	51.5	3.6
5	11510.00	49.1 PK	74.0	-24.9	1.20 V	158	35.7	13.4
6	11510.00	36.5 AV	54.0	-17.5	1.20 V	158	23.1	13.4
7	#17265.00	51.3 PK	68.2	-16.9	1.36 V	150	34.5	16.8

REMARKS:

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

CHANNEL	TX Channel 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	#5616.90	50.2 PK	68.2	-18.0	1.16 H	138	46.9	3.3
2	*5795.00	100.4 PK			1.16 H	138	97.1	3.3
3	*5795.00	91.3 AV			1.16 H	138	88.0	3.3
4	#5957.06	49.6 PK	68.2	-18.6	1.16 H	138	46.1	3.5
5	11590.00	47.1 PK	74.0	-26.9	1.26 H	20	33.7	13.4
6	11590.00	33.8 AV	54.0	-20.2	1.26 H	20	20.4	13.4
7	#17385.00	48.9 PK	68.2	-19.3	1.30 H	320	31.4	17.5
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	#5645.55	53.0 PK	68.2	-15.2	1.10 V	178	49.8	3.2
2	*5795.00	108.9 PK			1.10 V	178	105.6	3.3
3	*5795.00	99.7 AV			1.10 V	178	96.4	3.3
4	#5947.68	54.2 PK	68.2	-14.0	1.10 V	178	50.7	3.5
5	11590.00	48.6 PK	74.0	-25.4	1.14 V	168	35.2	13.4
6	11590.00	36.2 AV	54.0	-17.8	1.14 V	168	22.8	13.4
7	#17385.00	51.1 PK	68.2	-17.1	1.39 V	168	33.6	17.5

REMARKS:

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

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	63.2 PK	74.0	-10.8	1.77 H	131	60.2	3.0
2	5150.00	51.1 AV	54.0	-2.9	1.77 H	131	48.1	3.0
3	*5210.00	92.8 PK			1.17 H	131	90.1	2.7
4	*5210.00	84.0 AV			1.17 H	131	81.3	2.7
5	5350.00	49.2 PK	74.0	-24.8	1.77 H	131	46.6	2.6
6	5350.00	38.4 AV	54.0	-15.6	1.77 H	131	35.8	2.6
7	#10420.00	44.1 PK	68.2	-24.1	1.27 H	5	31.5	12.6
8	15630.00	48.3 PK	74.0	-25.7	1.32 H	320	35.6	12.7
9	15630.00	35.9 AV	54.0	-18.1	1.32 H	320	23.2	12.7
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.3 PK	74.0	-8.7	1.15 V	177	62.3	3.0
2	5150.00	53.9 AV	54.0	-0.1	1.15 V	177	50.9	3.0
3	*5210.00	101.0 PK			1.15 V	177	98.3	2.7
4	*5210.00	92.3 AV			1.15 V	177	89.6	2.7
5	5350.00	51.6 PK	74.0	-22.4	1.15 V	177	49.0	2.6
6	5350.00	40.9 AV	54.0	-13.1	1.15 V	177	38.3	2.6
7	#10420.00	47.8 PK	68.2	-20.4	1.14 V	176	35.2	12.6
8	15630.00	50.3 PK	74.0	-23.7	1.42 V	151	37.6	12.7
9	15630.00	37.9 AV	54.0	-16.1	1.42 V	151	25.2	12.7

REMARKS:

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

CHANNEL	TX Channel 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	54.2 PK	74.0	-19.8	1.18 H	127	51.2	3.0
2	5150.00	41.8 AV	54.0	-12.2	1.18 H	127	38.8	3.0
3	*5290.00	95.8 PK			1.18 H	127	93.4	2.4
4	*5290.00	87.0 AV			1.18 H	127	84.6	2.4
5	5350.00	63.2 PK	74.0	-10.8	1.18 H	127	60.6	2.6
6	5350.00	51.2 AV	54.0	-2.8	1.18 H	127	48.6	2.6
7	#10580.00	45.4 PK	68.2	-22.8	1.22 H	1	32.8	12.6
8	15870.00	48.9 PK	74.0	-25.1	1.37 H	316	36.5	12.4
9	15870.00	35.6 AV	54.0	-18.4	1.37 H	316	23.2	12.4

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.9 PK	74.0	-17.1	1.09 V	175	53.9	3.0
2	5150.00	44.8 AV	54.0	-9.2	1.09 V	175	41.8	3.0
3	*5290.00	104.0 PK			1.09 V	175	101.6	2.4
4	*5290.00	95.3 AV			1.09 V	175	92.9	2.4
5	5350.00	65.2 PK	74.0	-8.8	1.09 V	175	62.6	2.6
6	5350.00	53.9 AV	54.0	-0.1	1.09 V	175	51.3	2.6
7	#10580.00	47.3 PK	68.2	-20.9	1.18 V	160	34.7	12.6
8	15870.00	50.1 PK	74.0	-23.9	1.41 V	139	37.7	12.4
9	15870.00	37.4 AV	54.0	-16.6	1.41 V	139	25.0	12.4

REMARKS:

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

CHANNEL	TX Channel 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	63.2 PK	74.0	-10.8	1.14 H	121	60.3	2.9
2	5460.00	51.6 AV	54.0	-2.4	1.14 H	121	48.7	2.9
3	#5470.00	66.3 PK	68.2	-1.9	1.14 H	121	63.4	2.9
4	*5530.00	94.0 PK			1.14 H	121	91.0	3.0
5	*5530.00	85.3 AV			1.14 H	121	82.3	3.0
6	#5725.00	47.8 PK	68.2	-20.4	1.14 H	121	44.5	3.3
7	11060.00	44.9 PK	74.0	-29.1	1.16 H	6	31.7	13.2
8	11060.00	34.2 AV	54.0	-19.8	1.16 H	6	21.0	13.2
9	#16590.00	47.2 PK	68.2	-21.0	1.33 H	309	32.1	15.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.5 PK	74.0	-8.5	1.04 V	178	62.6	2.9
2	5460.00	53.9 AV	54.0	-0.1	1.04 V	178	51.0	2.9
3	#5470.00	67.7 PK	68.2	-0.5	1.04 V	178	64.8	2.9
4	*5530.00	102.2 PK			1.04 V	178	99.2	3.0
5	*5530.00	93.6 AV			1.04 V	178	90.6	3.0
6	#5725.00	50.1 PK	68.2	-18.1	1.04 V	178	46.8	3.3
7	11060.00	47.2 PK	74.0	-26.8	1.19 V	184	34.0	13.2
8	11060.00	36.5 AV	54.0	-17.5	1.19 V	184	23.3	13.2
9	#16590.00	49.9 PK	68.2	-18.3	1.35 V	162	34.8	15.1

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	63.8 PK	74.0	-10.2	1.16 H	128	60.9	2.9
2	5460.00	50.1 AV	54.0	-3.9	1.16 H	128	47.2	2.9
3	#5470.00	65.4 PK	68.2	-2.8	1.16 H	128	62.5	2.9
4	*5610.00	99.8 PK			1.16 H	128	96.5	3.3
5	*5610.00	91.0 AV			1.16 H	128	87.7	3.3
6	#5725.00	63.6 PK	68.2	-4.6	1.16 H	128	60.3	3.3
7	11220.00	44.2 PK	74.0	-29.8	1.20 H	10	31.0	13.2
8	11220.00	34.3 AV	54.0	-19.7	1.20 H	10	21.1	13.2
9	#16830.00	47.6 PK	68.2	-20.6	1.29 H	311	31.0	16.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.3 PK	74.0	-8.7	1.09 V	178	62.4	2.9
2	5460.00	52.9 AV	54.0	-1.1	1.09 V	178	50.0	2.9
3	#5470.00	67.3 PK	68.2	-0.9	1.09 V	178	64.4	2.9
4	*5610.00	108.0 PK			1.09 V	178	104.7	3.3
5	*5610.00	99.3 AV			1.09 V	178	96.0	3.3
6	#5725.00	65.7 PK	68.2	-2.5	1.09 V	178	62.4	3.3
7	11220.00	46.8 PK	74.0	-27.2	1.10 V	171	33.6	13.2
8	11220.00	36.2 AV	54.0	-17.8	1.10 V	171	23.0	13.2
9	#16830.00	50.2 PK	68.2	-18.0	1.41 V	138	33.6	16.6

REMARKS:

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

CHANNEL	TX Channel 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	#5646.67	59.8 PK	68.2	-8.4	1.26 H	139	56.6	3.2
2	*5775.00	91.9 PK			1.26 H	139	88.5	3.4
3	*5775.00	83.6 AV			1.26 H	139	80.2	3.4
4	#5931.37	54.5 PK	68.2	-13.7	1.26 H	139	50.9	3.6
5	11550.00	43.8 PK	74.0	-30.2	1.17 H	19	30.5	13.3
6	11550.00	34.6 AV	54.0	-19.4	1.17 H	19	21.3	13.3
7	#17325.00	48.4 PK	68.2	-19.8	1.29 H	327	31.3	17.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5633.73	68.0 PK	68.2	-0.2	1.11 V	177	64.8	3.2
2	*5775.00	101.3 PK			1.11 V	177	97.9	3.4
3	*5775.00	92.6 AV			1.11 V	177	89.2	3.4
4	#5932.53	62.9 PK	68.2	-5.3	1.11 V	177	59.3	3.6
5	11550.00	46.8 PK	74.0	-27.2	1.13 V	171	33.5	13.3
6	11550.00	36.1 AV	54.0	-17.9	1.13 V	171	22.8	13.3
7	#17325.00	50.1 PK	68.2	-18.1	1.32 V	144	33.0	17.1

REMARKS:

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

Below 1GHz Data:

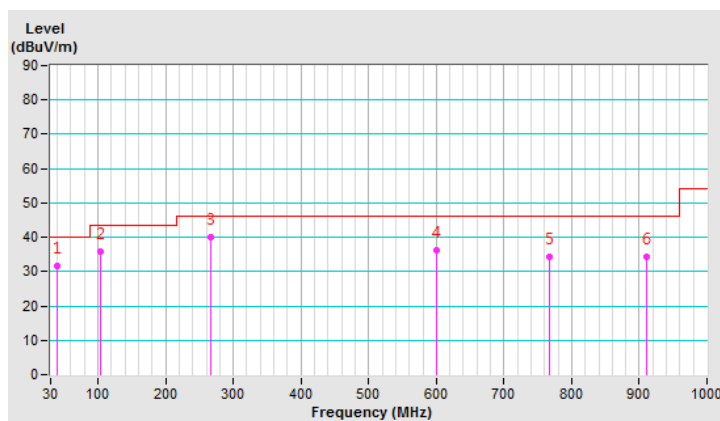
802.11ac (VHT40)

CHANNEL	TX Channel 110	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	40.06	31.6 QP	40.0	-8.4	1.00 H	220	39.8	-8.2
2	103.16	35.7 QP	43.5	-7.8	2.00 H	354	47.5	-11.8
3	266.92	40.0 QP	46.0	-6.0	1.00 H	130	48.3	-8.3
4	600.02	36.2 QP	46.0	-9.8	1.50 H	37	35.4	0.8
5	766.62	34.4 QP	46.0	-11.6	1.00 H	34	31.0	3.4
6	911.44	34.3 QP	46.0	-11.7	1.50 H	50	28.6	5.7

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

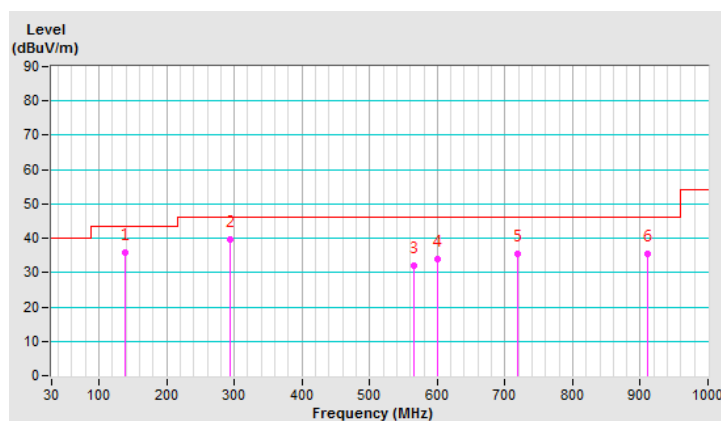


CHANNEL	TX Channel 110	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9kHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	137.79	35.8 QP	43.5	-7.7	1.50 V	349	44.2	-8.4
2	293.79	39.7 QP	46.0	-6.3	1.00 V	57	47.0	-7.3
3	565.25	32.0 QP	46.0	-14.0	1.00 V	61	32.6	-0.6
4	600.02	33.8 QP	46.0	-12.2	1.50 V	333	33.0	0.8
5	718.92	35.5 QP	46.0	-10.5	1.00 V	315	33.5	2.0
6	910.93	35.4 QP	46.0	-10.6	1.50 V	71	29.7	5.7

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.2 Transmit Power Measurement

4.2.1 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)
	✓	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 $N_{ANT} \leq 4$;

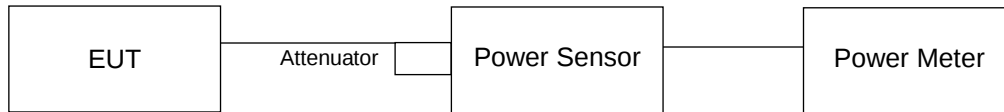
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;

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

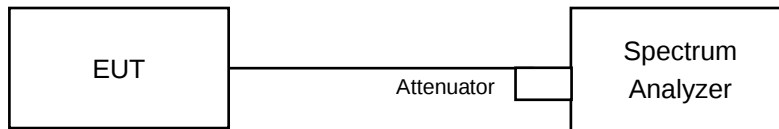
For power measurements on all other devices: Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

4.2.2 Test Setup

FOR POWER OUTPUT MEASUREMENT



FOR 26dB OCCUPIED BANDWIDTH



4.2.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.2.4 Test Procedure

FOR POWER OUTPUT MEASUREMENT

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 26dB OCCUPIED BANDWIDTH

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

4.2.5 Deviation from Test Standard

No deviation.

4.2.6 EUT Operating Condition

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

4.2.7 Test Results

802.11a

POWER OUTPUT

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Limit (dBm)	Pass / Fail
36	5180	52.24	17.18	24.00	Pass
40	5200	72.611	18.61	24.00	Pass
48	5240	74.131	18.70	24.00	Pass
52	5260	69.984	18.45	24.00	Pass
60	5300	70.469	18.48	24.00	Pass
64	5320	51.05	17.08	24.00	Pass
100	5500	52.602	17.21	24.00	Pass
116	5580	71.45	18.54	24.00	Pass
140	5700	54.45	17.36	24.00	Pass
149	5745	89.331	19.51	30.00	Pass
157	5785	88.512	19.47	30.00	Pass
165	5825	87.902	19.44	30.00	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)
36	5180	21.79
40	5200	30.15
48	5240	21.68
52	5260	21.72
60	5300	28.14
64	5320	21.55
100	5500	21.48
116	5580	21.87
140	5700	21.49

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	21.72	24.36 > 24
60	5300	28.13	25.49 > 24
64	5320	21.55	24.33 > 24
100	5500	21.48	24.32 > 24
116	5580	21.87	24.39 > 24
140	5700	21.48	24.32 > 24

802.11ac (VHT20)

POWER OUTPUT

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	15.52	15.14	68.304	18.34	24.00	Pass
40	5200	19.27	17.46	140.247	21.47	24.00	Pass
48	5240	20.25	18.41	175.268	22.44	24.00	Pass
52	5260	19.67	19.10	173.966	22.40	24.00	Pass
60	5300	18.33	18.13	133.09	21.24	24.00	Pass
64	5320	15.21	15.15	65.923	18.19	24.00	Pass
100	5500	15.78	16.19	79.435	19.00	24.00	Pass
116	5580	18.91	19.06	158.342	22.00	24.00	Pass
140	5700	15.73	16.23	79.387	19.00	24.00	Pass
149	5745	18.85	19.32	162.243	22.10	30.00	Pass
157	5785	18.87	19.38	163.786	22.14	30.00	Pass
165	5825	18.81	19.37	162.53	22.11	30.00	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	22.02	22.08
40	5200	29.38	29.96
48	5240	27.73	21.88
52	5260	32.50	22.01
60	5300	27.87	25.70
64	5320	21.89	22.10
100	5500	21.78	22.06
116	5580	22.10	21.88
140	5700	21.81	21.93

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	22.00	24.42 > 24
60	5300	25.70	25.09 > 24
64	5320	21.88	24.4 > 24
100	5500	21.77	24.37 > 24
116	5580	21.88	24.4 > 24
140	5700	21.80	24.38 > 24

802.11ac (VHT40)

POWER OUTPUT

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	12.23	12.55	34.7	15.40	24.00	Pass
46	5230	19.38	17.36	141.146	21.50	24.00	Pass
54	5270	19.96	18.13	164.096	22.15	24.00	Pass
62	5310	14.15	14.31	52.979	17.24	24.00	Pass
102	5510	12.88	13.14	40.015	16.02	24.00	Pass
110	5550	20.20	18.50	175.508	22.44	24.00	Pass
134	5670	15.73	15.39	72.005	18.57	24.00	Pass
151	5755	19.95	18.02	162.242	22.10	30.00	Pass
159	5795	19.98	18.11	164.255	22.16	30.00	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	41.51	41.87
46	5230	41.59	41.27
54	5270	98.12	93.08
62	5310	41.26	41.51
102	5510	41.22	41.69
110	5550	89.11	41.76
134	5670	41.54	41.39

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	93.08	30.68 > 24
62	5310	41.26	27.15 > 24
102	5510	41.22	27.15 > 24
110	5550	41.76	27.2 > 24
134	5670	41.39	27.16 > 24

802.11ac (VHT80)

POWER OUTPUT

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	12.32	11.99	32.873	15.17	24.00	Pass
58	5290	14.38	14.41	55.022	17.41	24.00	Pass
106	5530	12.66	13.31	39.879	16.01	24.00	Pass
122	5610	18.15	18.35	133.704	21.26	24.00	Pass
155	5775	17.79	18.22	126.491	21.02	30.00	Pass

26dB OCCUPIED BANDWIDTH

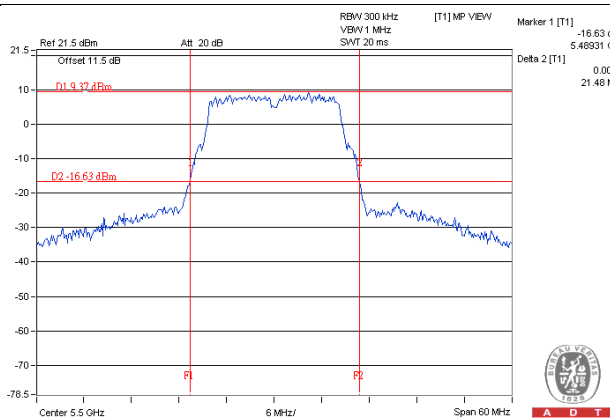
Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	82.50	82.10
58	5290	83.44	174.26
106	5530	82.69	82.49
122	5610	99.48	126.28

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

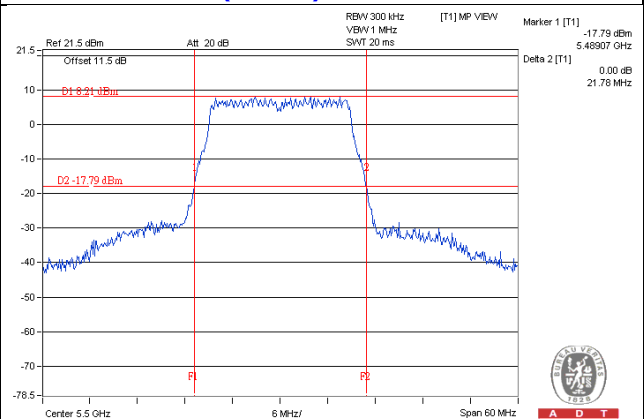
Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	83.44	30.21 > 24
106	5530	82.48	30.16 > 24
122	5610	99.48	30.97 > 24

Spectrum Plot of Worst Value

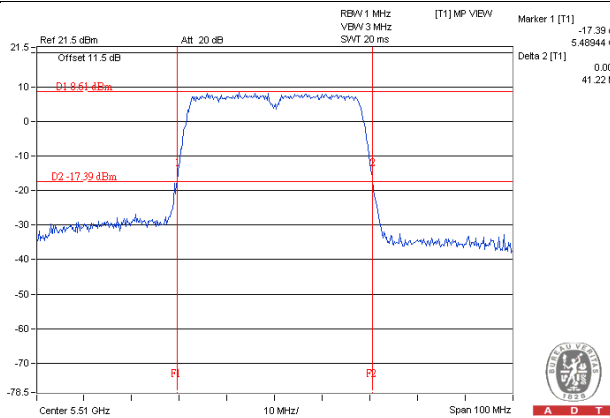
802.11a / CH100



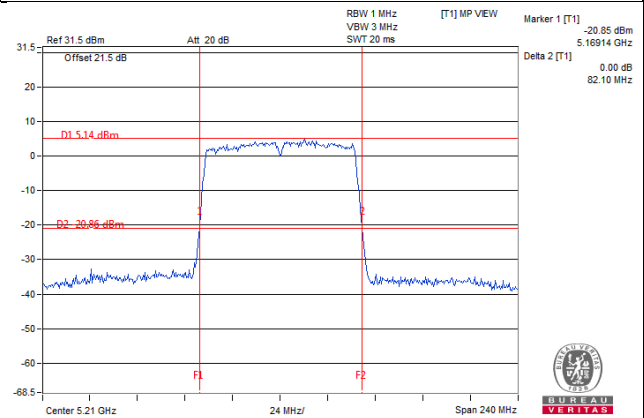
802.11ac (VHT20)_Chain 0 / CH100



8802.11ac (VHT40)_Chain 0 / CH102

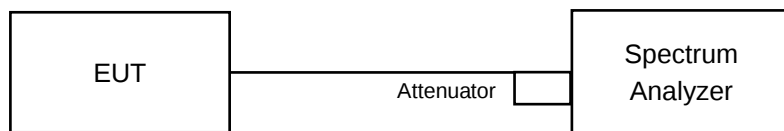


802.11ac (VHT80)_Chain 1 / CH42



4.3 Occupied Bandwidth Measurement

4.3.1 Test Setup



4.3.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.3 Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to SAMPLE. 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.

4.3.4 Test Results

802.11a

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)
36	5180	17.04
40	5200	17.88
48	5240	16.92
52	5260	16.92
60	5300	17.40
64	5320	16.92
100	5500	17.16
116	5580	16.92
140	5700	17.04
149	5745	17.16
157	5785	17.28
165	5825	17.28

802.11ac (VHT20)

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	18.24	18.24
40	5200	18.48	18.36
48	5240	18.12	17.88
52	5260	18.36	18.12
60	5300	18.36	18.24
64	5320	18.12	18.00
100	5500	18.12	18.12
116	5580	18.12	18.00
140	5700	17.88	18.24
149	5745	18.24	18.24
157	5785	18.24	18.12
165	5825	18.24	18.12

802.11ac (VHT40)

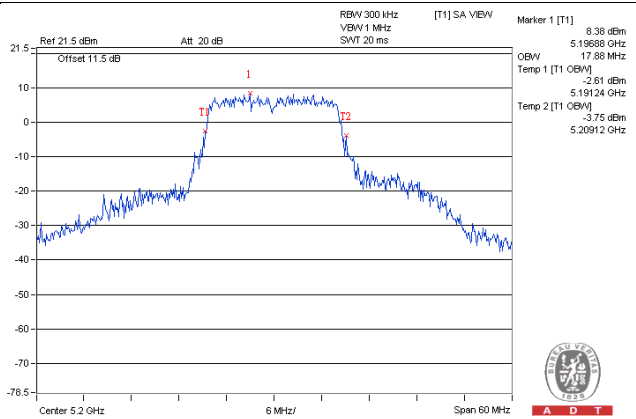
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	36.80	36.60
46	5230	36.72	36.72
54	5270	41.40	37.20
62	5310	36.60	36.80
102	5510	36.60	36.60
110	5550	37.20	36.72
134	5670	36.72	36.72
151	5755	39.60	36.72
159	5795	38.64	36.96

802.11ac (VHT80)

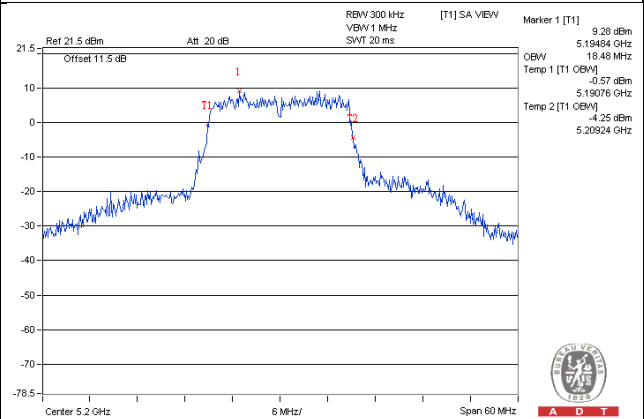
Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	75.36	76.32
58	5290	75.84	77.76
106	5530	76.08	75.84
122	5610	76.08	75.84
155	5775	76.32	76.32

Spectrum Plot of Max. Value

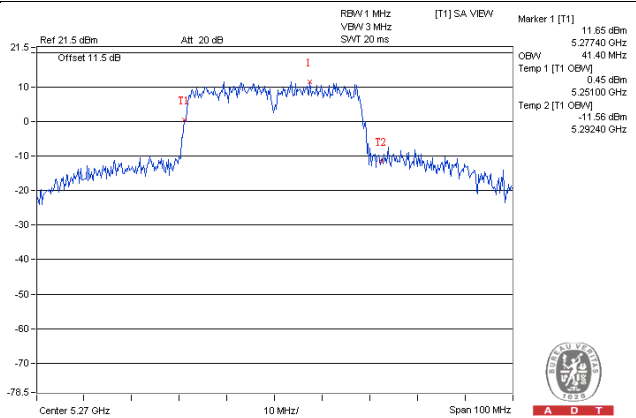
802.11a / CH40



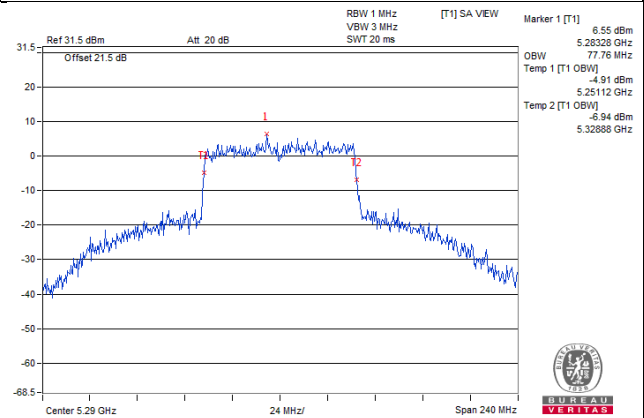
802.11ac (VHT20)_Chain 0 / CH40



802.11ac (VHT40)_Chain 0 / CH54

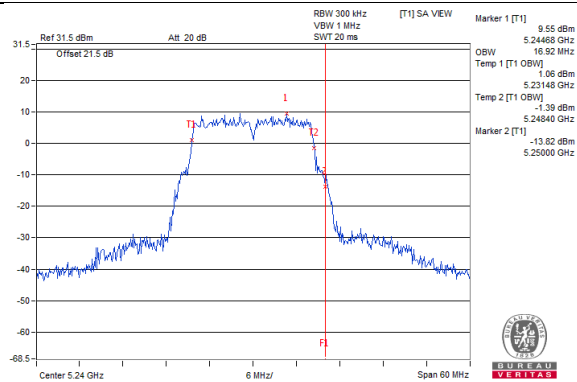


802.11ac (VHT80)_Chain 1 / CH48

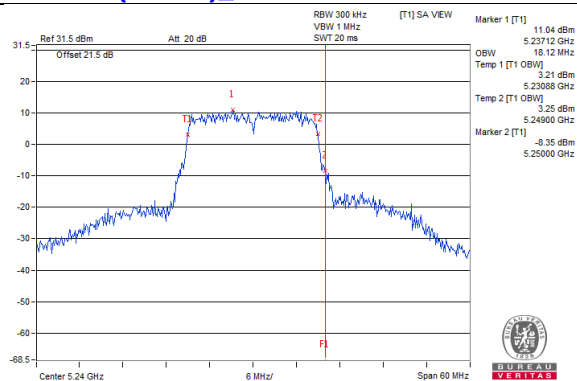


Spectrum Plot for near by DFS band (DFS is required, if 99% OCP straddle into U-NII-2A band)

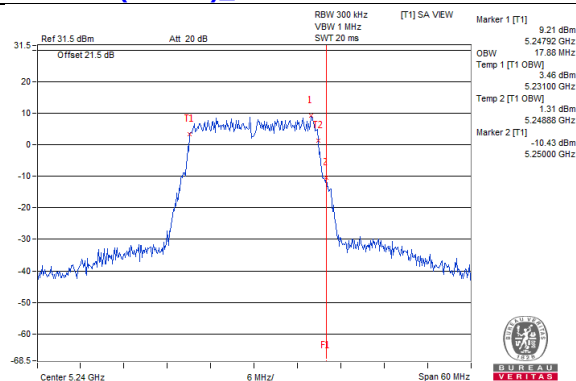
802.11a / CH48



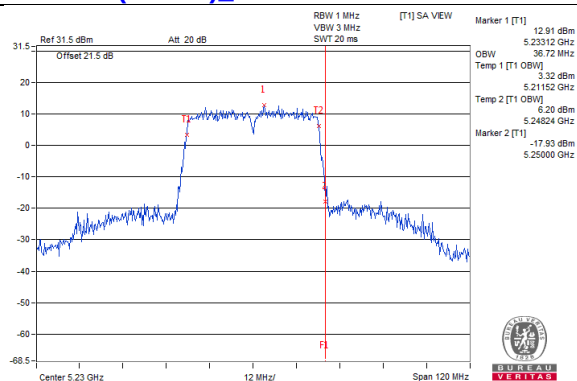
802.11ac (VHT20)_Chain 0 / CH48



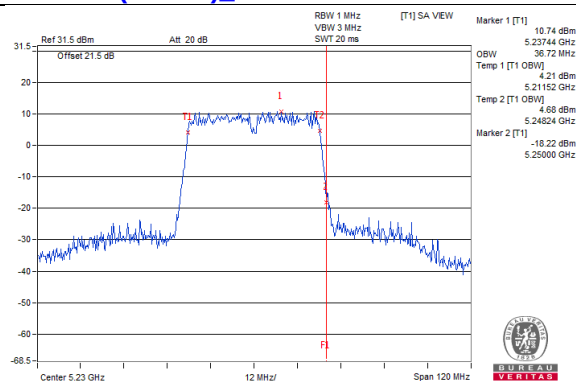
802.11ac (VHT20)_Chain 1 / CH48



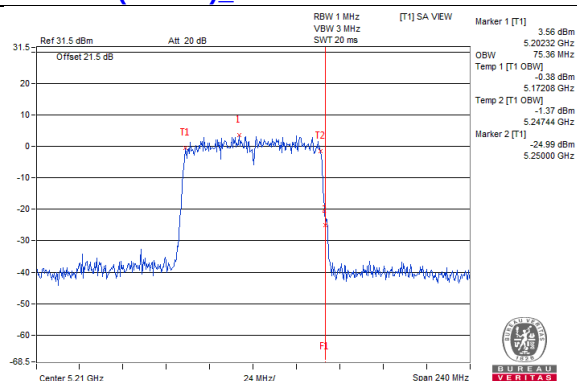
802.11ac (VHT40)_Chain 0 / CH46



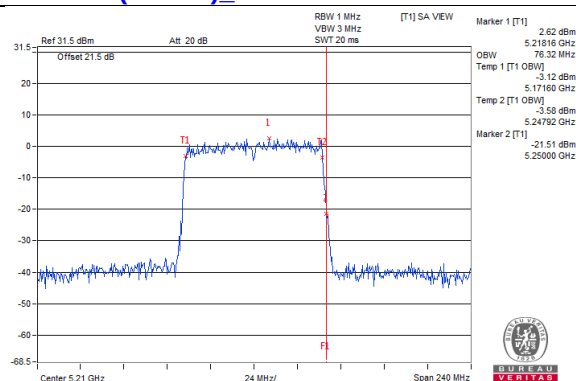
802.11ac (VHT40)_Chain 1 / CH46



802.11ac (VHT80)_Chain 0 / CH42

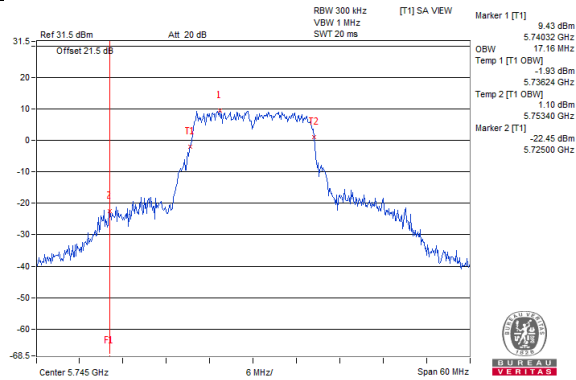


802.11ac (VHT80)_Chain 1 / CH42

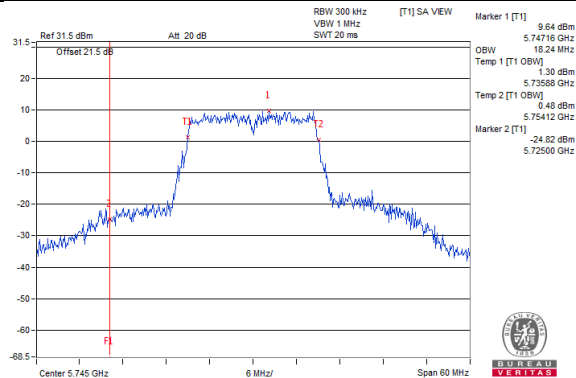


Spectrum Plot for near by DFS band (DFS is required, if 99% OCP straddle into U-NII-2C band)

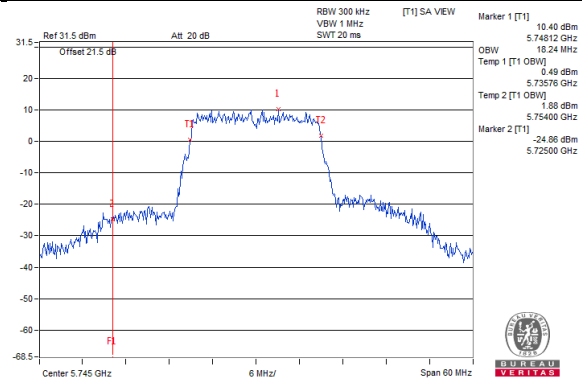
802.11a / CH149



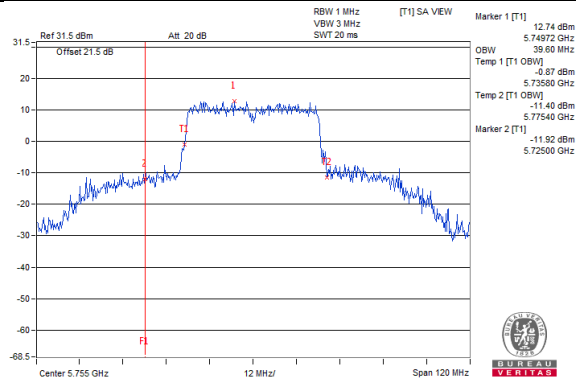
802.11ac (VHT20)_Chain 0 / CH149



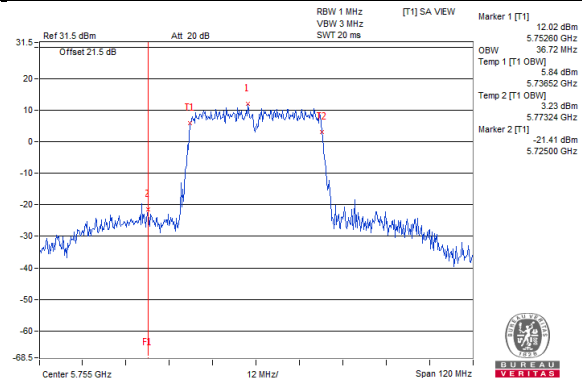
802.11ac (VHT20)_Chain 1 / CH149



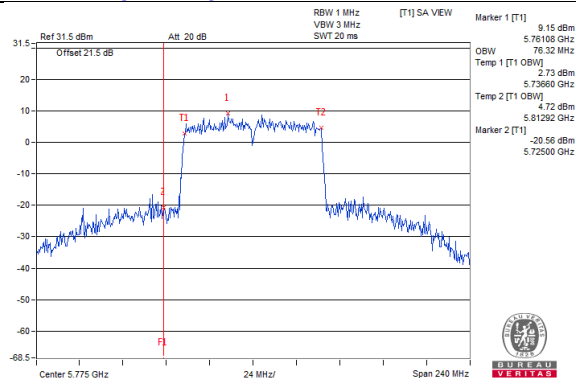
802.11ac (VHT40)_Chain 0 / CH151



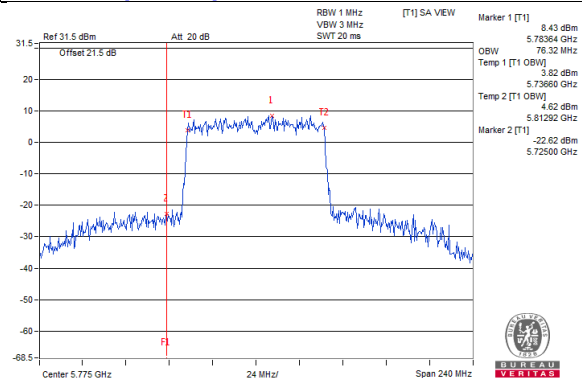
802.11ac (VHT40)_Chain 1 / CH151



802.11ac (VHT80)_Chain 0 / CH155



802.11ac (VHT80)_Chain 1 / CH155

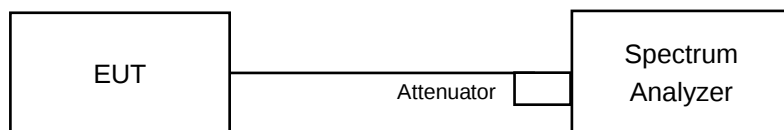


4.4 Peak Power Spectral Density Measurement

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	
		Client device	11dBm/ MHz
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 Procedure

For U-NII-3:

For 802.11a, 802.11ac (VHT20)

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

For 802.11ac (VHT40), 802.11ac (VHT80)

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 Condition

Same as Item 4.3.6.

4.4.7 Test Results

802.11a

Chan.	Chan. Freq. (MHz)	Power Density (dBm/300kHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
149	5745	-2.87	-0.65	30	Pass
157	5785	-3.09	-0.87	30	Pass
165	5825	-2.64	-0.42	30	Pass

802.11ac (VHT20)

Chan.	Freq. (MHz)	PSD (dBm/300kHz)		Total PSD		Limit (dBm/500kHz)	Pass /Fail
		Chain 0	Chain 1	dBm/300kHz	dBm/500kHz		
149	5745	-2.68	-2.48	0.43	2.65	27.83	Pass
157	5785	-2.77	-2.55	0.35	2.57	27.83	Pass
165	5825	-2.97	-2.48	0.29	2.51	27.83	Pass

Note: 1. Method b) 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. The directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (8.17 - 6) = 27.83\text{dBm}$.

802.11ac (VHT40)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/300kHz)		Duty Factor (dB)	Total PSD With Duty Factor		Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
		Chain 0	Chain 1		mW/300kHz	dBm/300kHz			
151	5755	-6.68	-9.18	0.12	0.3451	-4.62	-2.40	27.83	Pass
159	5795	-7.09	-9.11	0.12	0.3272	-4.85	-2.63	27.83	Pass

Note: 1. Method b) 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.

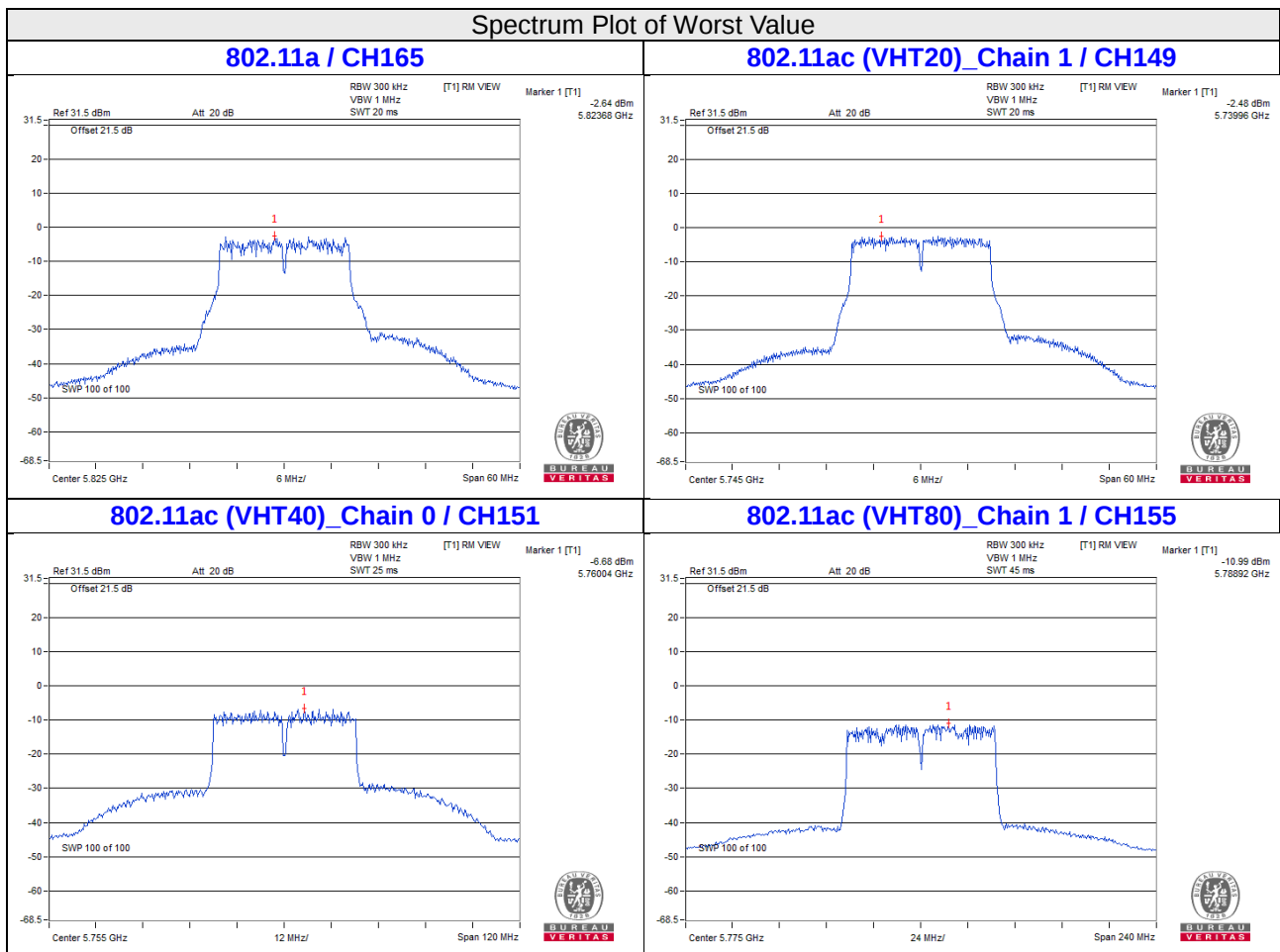
2. The directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (8.17 - 6) = 27.83\text{dBm}$.

3. Refer to section 3.3 for duty cycle spectrum plot.

802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD W/O Duty Factor (dBm/300kHz)		Duty Factor (dB)	Total PSD With Duty Factor		Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
		Chain 0	Chain 1		mW/300kHz	dBm/300kHz			
155	5775	-11.45	-10.99	0.23	0.1594	-7.98	-5.76	27.83	Pass

- Note: 1. Method b) 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. The directional gain = $5.16\text{dBi} + 10\log(2) = 8.17\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (8.17 - 6) = 27.83\text{dBm}$.
3. Refer to section 3.3 for duty cycle spectrum plot.

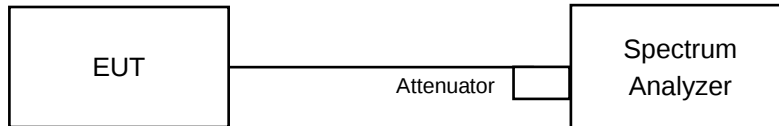


4.5 6dB Bandwidth Measurement

4.5.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

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

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

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Condition

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

4.5.7 Test Results

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	16.40	0.5	Pass
157	5785	16.41	0.5	Pass
165	5825	16.41	0.5	Pass

802.11ac (VHT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	17.66	17.64	0.5	Pass
157	5785	17.65	17.65	0.5	Pass
165	5825	17.62	17.62	0.5	Pass

802.11ac (VHT40)

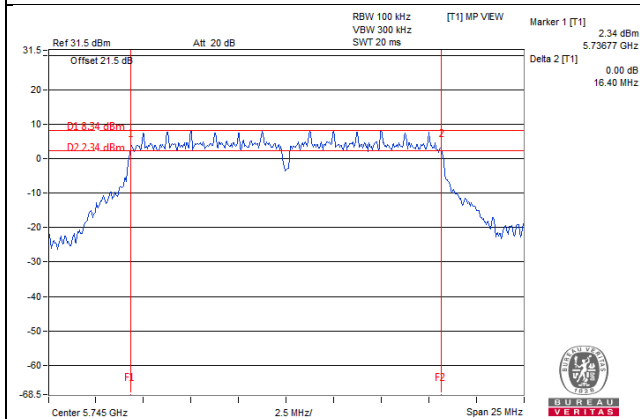
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
151	5755	36.43	36.46	0.5	Pass
159	5795	36.40	36.44	0.5	Pass

802.11ac (VHT80)

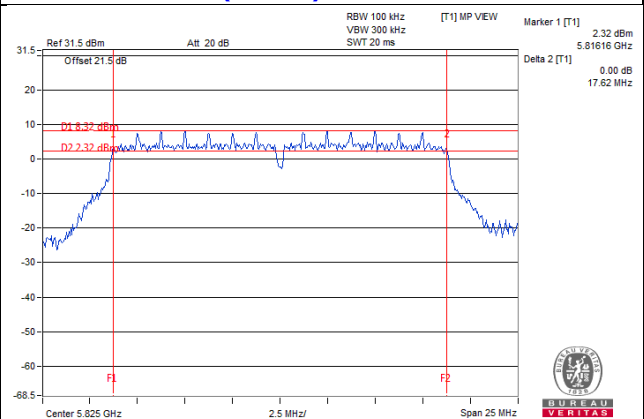
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
155	5775	75.66	76.33	0.5	Pass

Spectrum Plot of Worst Value

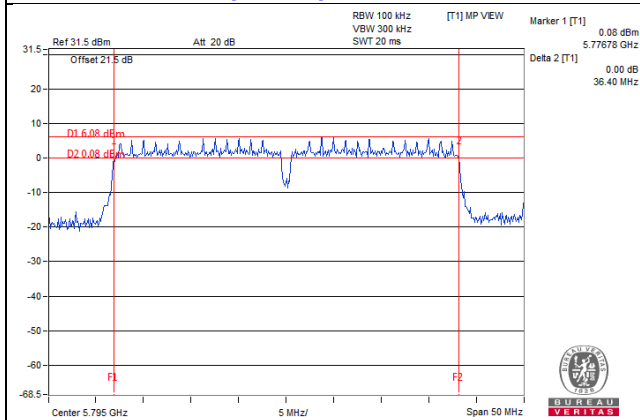
802.11a / CH149



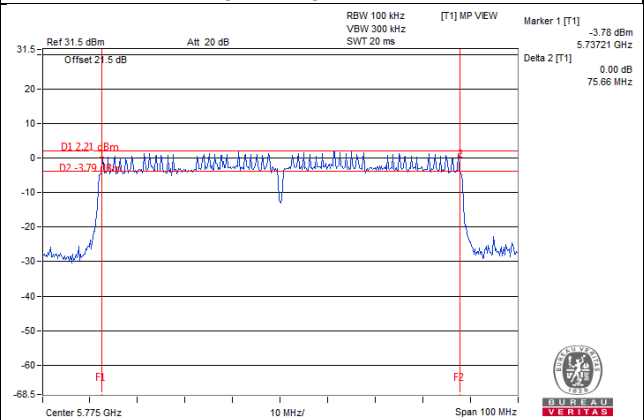
802.11ac (VHT20)_Chain 0 / CH165



802.11ac (VHT40)_Chain 0 / CH159



802.11ac (VHT80)_Chain 0 / CH155



5 Pictures of Test Arrangements

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

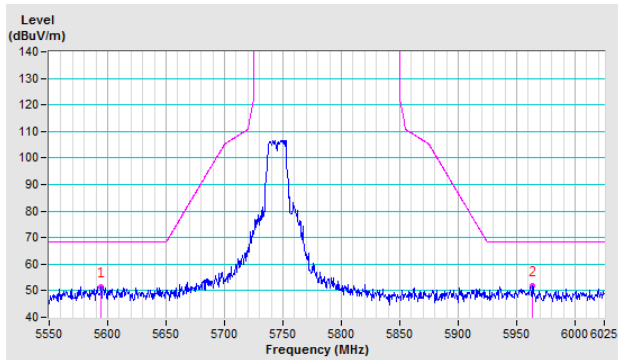
Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)

PIFA Antenna

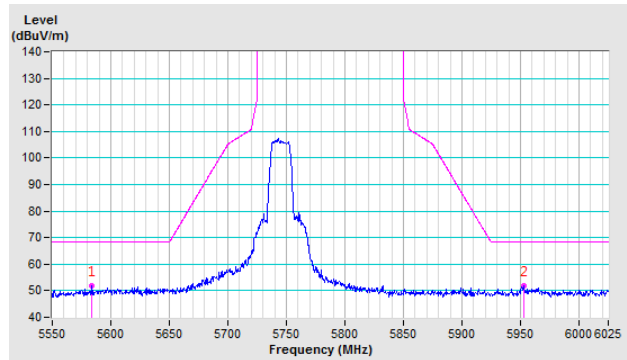
802.11a

CH 149 5745 MHz

Horizontal

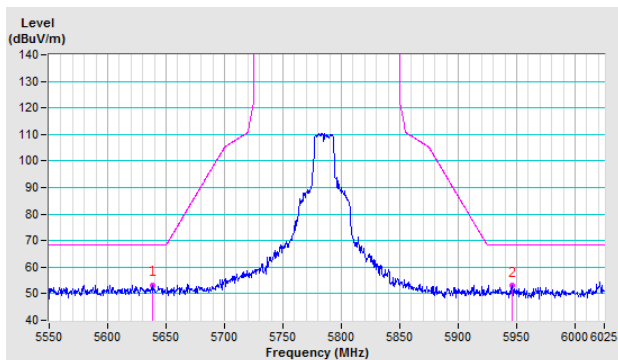


Vertical

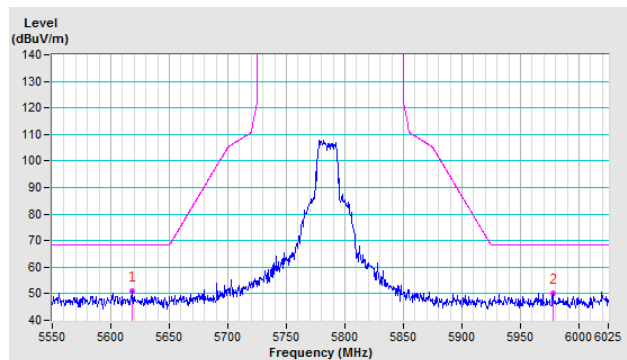


CH 157 5785 MHz

Horizontal

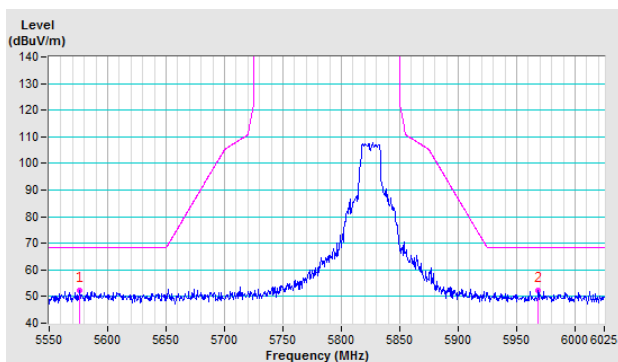


Vertical

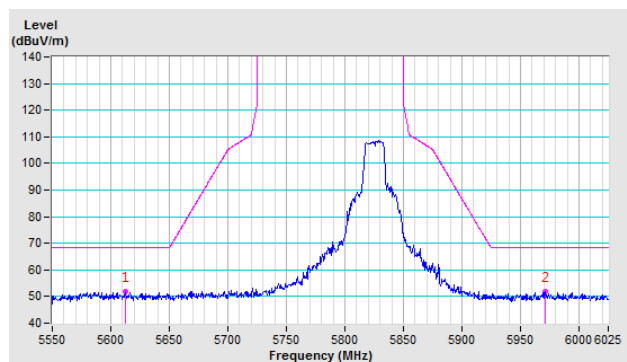


CH 165 5825 MHz

Horizontal



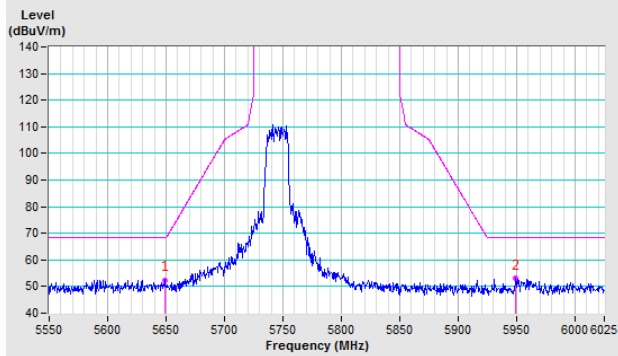
Vertical



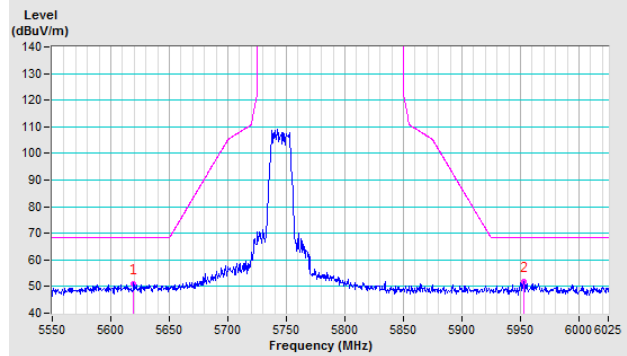
802.11ac (VHT20)

CH 149 5745 MHz

Horizontal

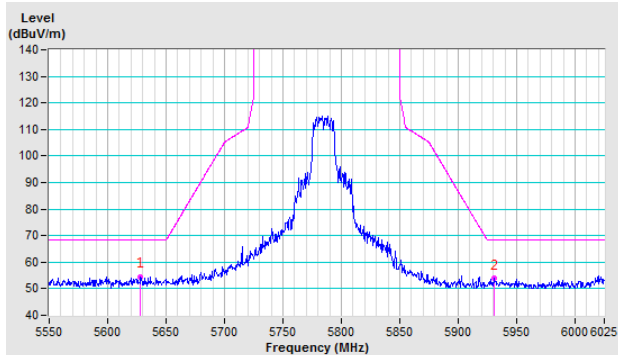


Vertical

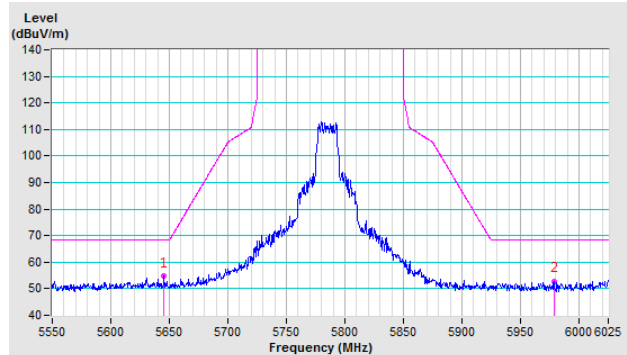


CH 157 5785 MHz

Horizontal

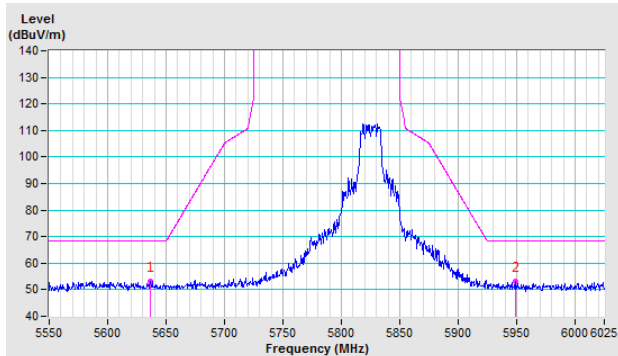


Vertical

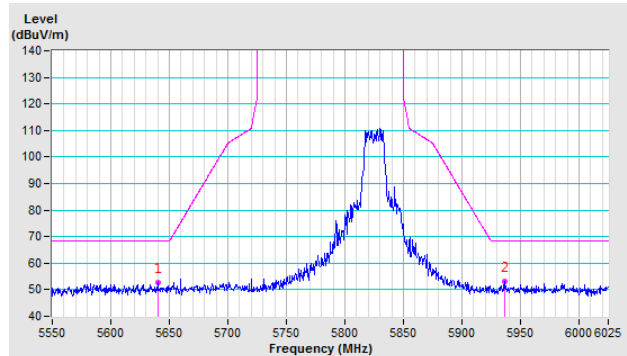


CH 165 5825 MHz

Horizontal



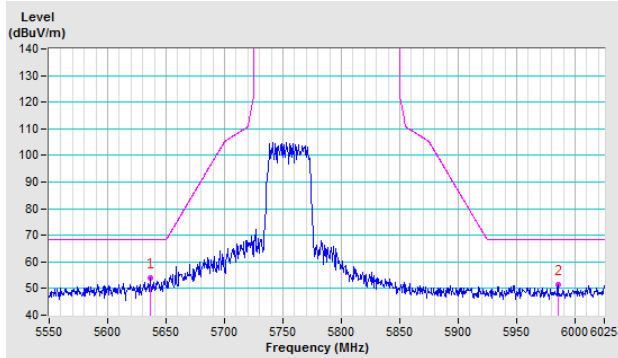
Vertical



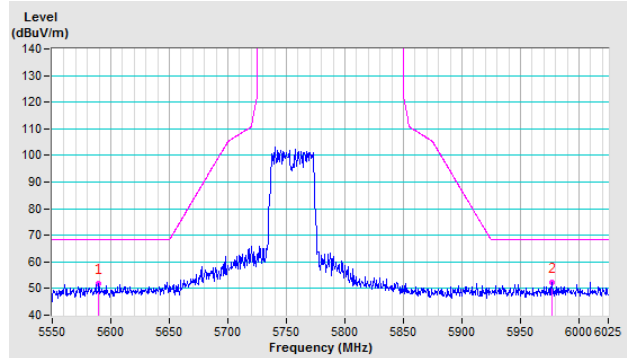
802.11ac (VHT40)

CH 151 5755 MHz

Horizontal

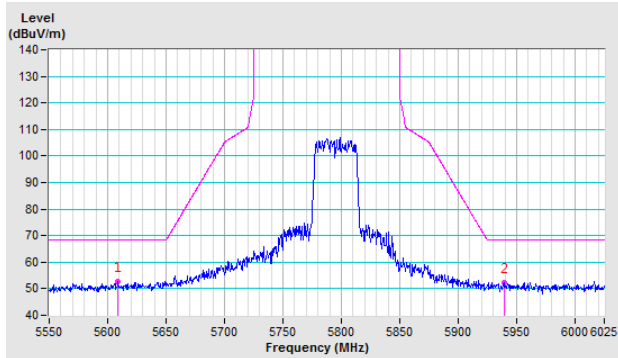


Vertical

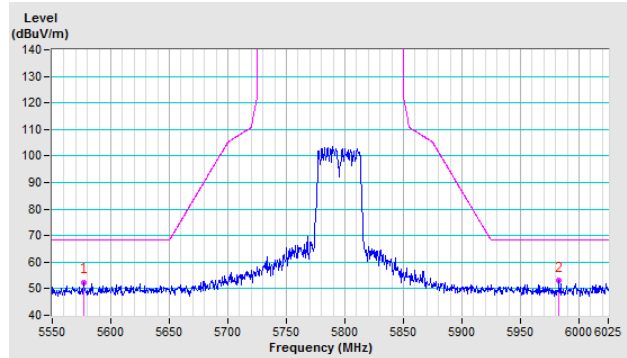


CH 159 5795 MHz

Horizontal



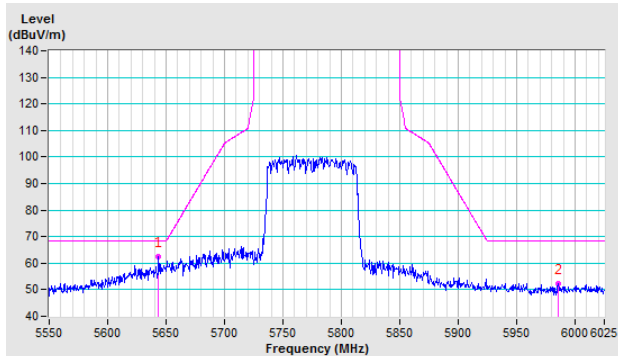
Vertical



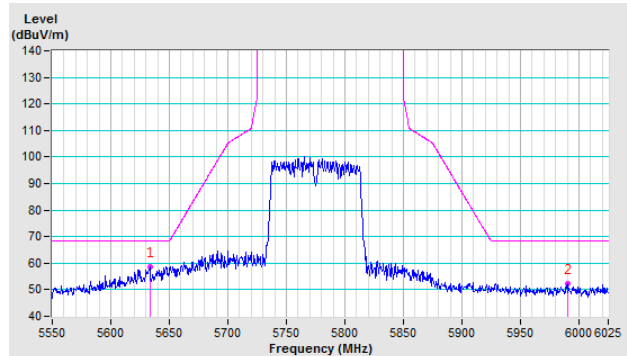
802.11ac (VHT80)

CH 155 5775 MHz

Horizontal



Vertical

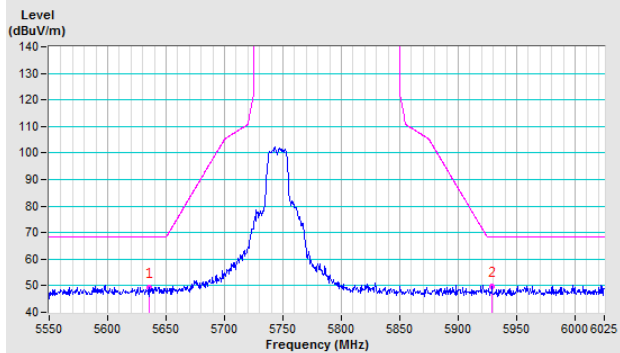


Dipole Antenna

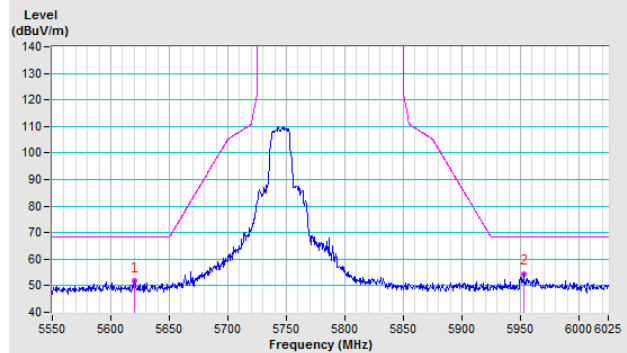
802.11a

CH 149 5745 MHz

Horizontal

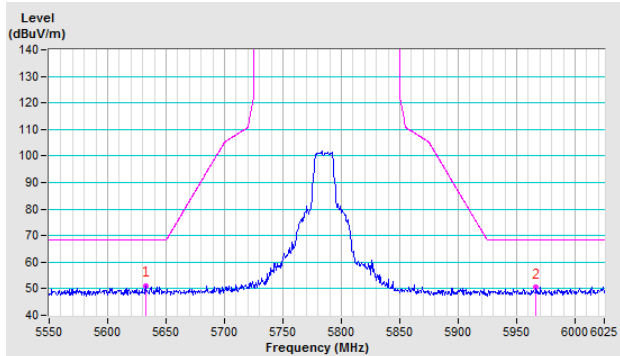


Vertical

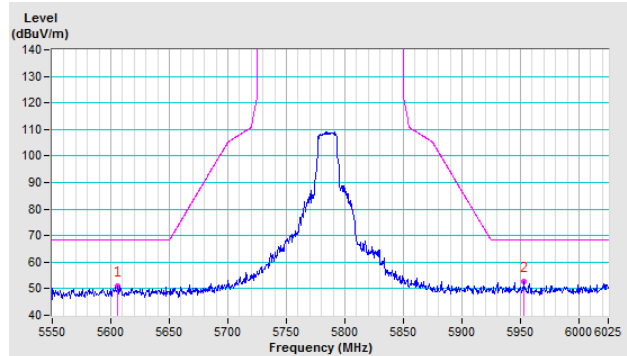


CH 157 5785 MHz

Horizontal

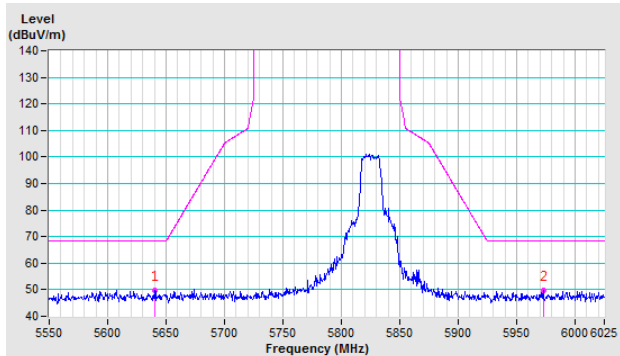


Vertical

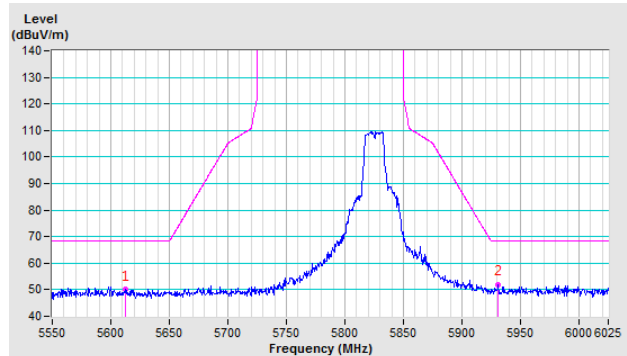


CH 165 5825 MHz

Horizontal



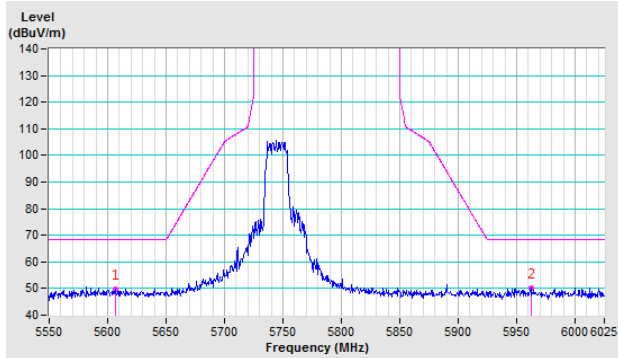
Vertical



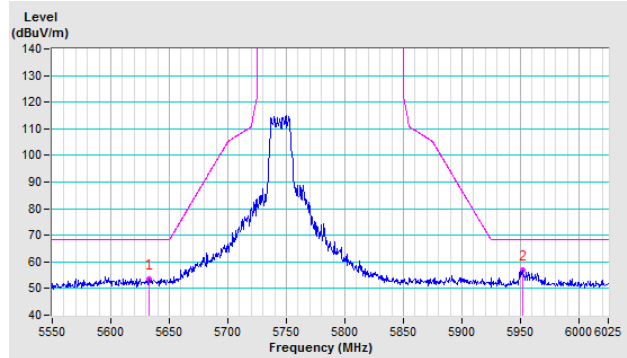
802.11ac (VHT20)

CH 149 5745 MHz

Horizontal

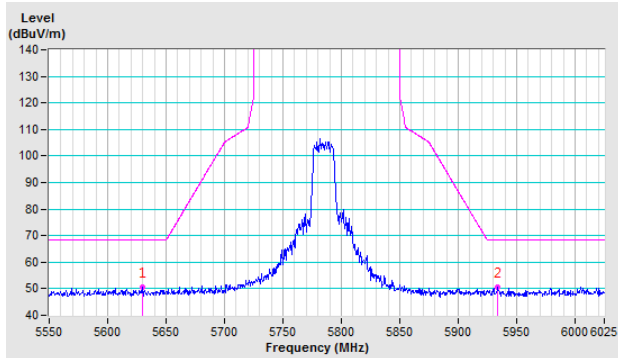


Vertical

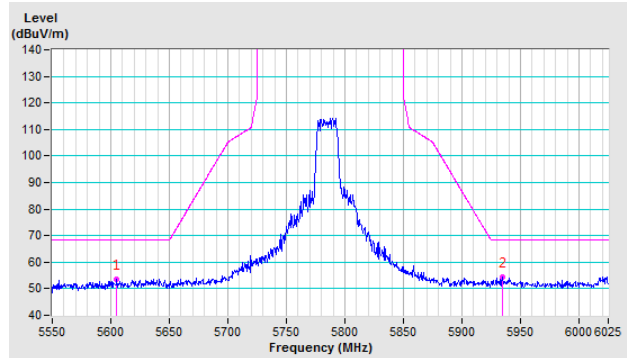


CH 157 5785 MHz

Horizontal

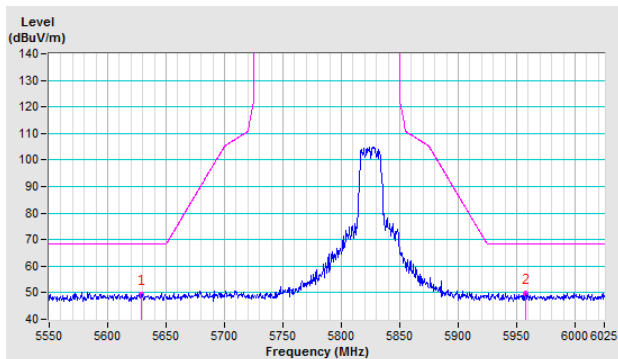


Vertical

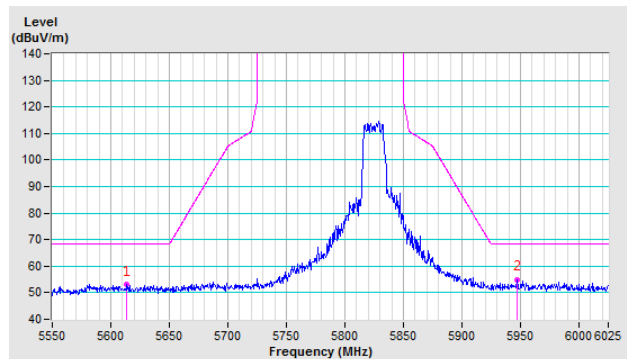


CH 165 5825 MHz

Horizontal



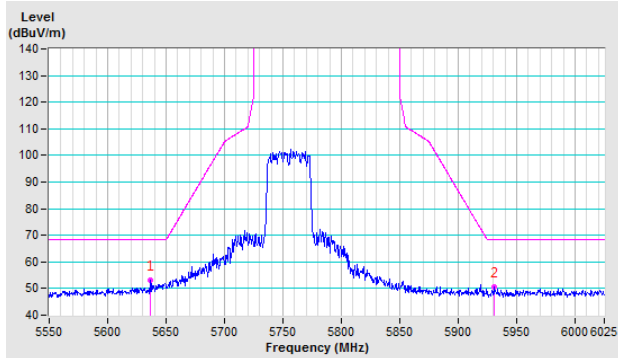
Vertical



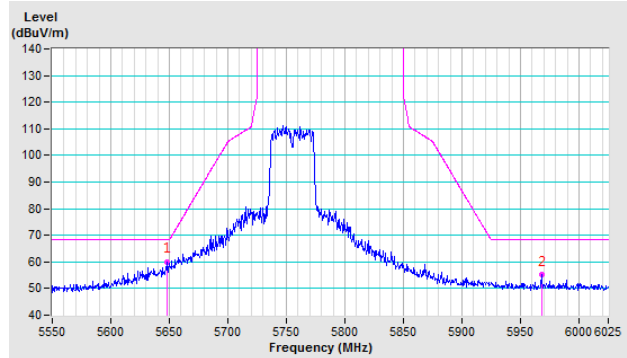
802.11ac (VHT40)

CH 151 5755 MHz

Horizontal

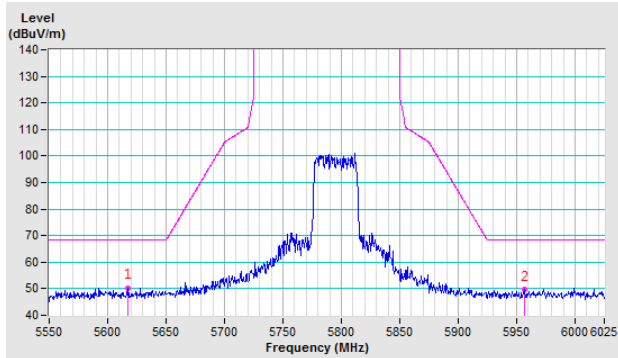


Vertical

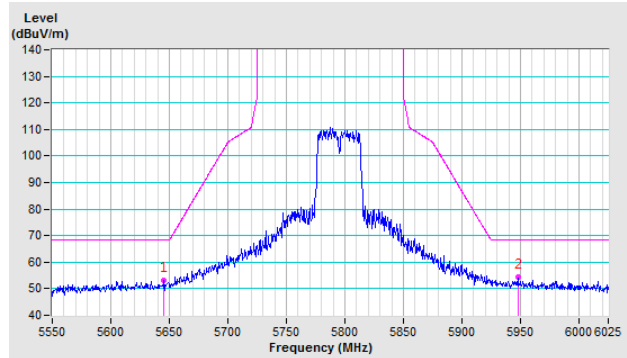


CH 159 5795 MHz

Horizontal



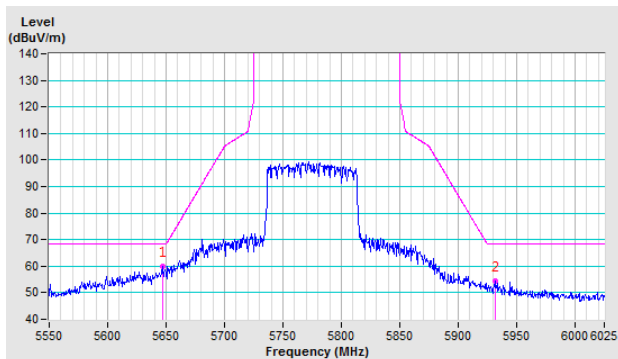
Vertical



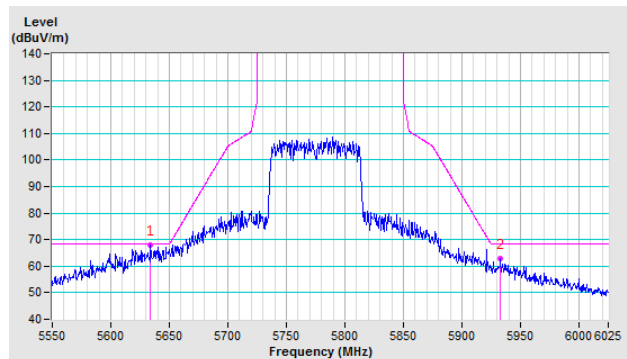
802.11ac (VHT80)

CH 155 5775 MHz

Horizontal



Vertical



Appendix – Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

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

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