FCC Test Report (WLAN)

Report No.:	RF170912E01A-1
FCC ID:	2AHBN-AP61
Test Model:	AP61E
Series Model:	AP61
Received Date:	Sep. 14, 2017
Test Date:	Oct. 24 to Nov. 03, 2017
Issued Date:	Nov. 16, 2017
Applicant:	Mist Systems, Inc.
Address:	1601 South De Anza Blvd. Suite 248 Cupertino California United States 95014
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
Test Location:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
FCC Registration / Designation Number:	723255 / TW2022

Testing Laboratory
2022

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Release Control Record

Issue No.	Description	Date Issued
RF170912E01A-1	Original release.	Nov. 16, 2017

1 Certificate of Conformity

Product:	Premium Outdoor Wi-Fi & BLE Array AP
Brand:	Mist
Test Model:	AP61E
Series Model:	AP61
Sample Status:	ENGINEERING SAMPLE
Applicant:	Mist Systems, Inc.
Test Date:	Oct. 24 to Nov. 03, 2017
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 : _____ , **Date:** Nov. 16, 2017

Wendy Wu / Specialist

Approved by : _____ , **Date:** Nov. 16, 2017

May Chen / Manager

2 Summary of Test Results

47 CFR FCC Part 15, Subpart E (Section 15.407)			
FCC Clause	Test Item	Result	Remarks
15.407(b) (1/2/3/4(i/ii)/6)	Radiated Emissions & Band Edge Measurement*	Pass	Meet the requirement of limit. Minimum passing margin is -2.0dB at 5631.84MHz.
15.407(a)(1/2/3)	Max Average Transmit Power	Pass	Meet the requirement of limit.

*For U-NII-3 band compliance with rule part 15.407(b)(4)(i), the OOBE 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	5.32 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	5.14 dB
	6GHz ~ 18GHz	5.04 dB
	18GHz ~ 40GHz	5.25 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT (WLAN)

Product	Premium Outdoor Wi-Fi & BLE Array AP
Brand	Mist
Test Model	AP61E
Series Model	AP61
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	802.3at (50-57Vdc)
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode and VHT (20/40) mode in 2.4GHz
Modulation Technology	DSSS, OFDM
Transfer Rate	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n: up to 600Mbps 802.11ac: up to 1733.3Mbps
Operating Frequency	**2.4GHz:** 2.412 ~ 2.462GHz **5GHz:** 5.18~ 5.24GHz, 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): 9 802.11n (HT40), 802.11ac (VHT40): 4 802.11ac (VHT80): 2
Output Power	**2.4GHz:** **1TX:** 192.752mW **CDD Mode:** **4TX:** 564.245mW **3TX:** 436.789mW **2TX:** 315.176mW **Beamforming Mode:** **4TX:** 198.072mW **3TX:** 299.686mW **2TX:** 342.424mW **5GHz:** **5.18 ~ 5.24GHz:** **1TX:** 36.728mW **CDD Mode:** **4TX:** 39.684mW **3TX:** 34.437mW **2TX:** 34.126mW **Beamforming Mode:** **4TX:** 9.661mW **3TX:** 11.484mW **2TX:** 18.514mW **5.745 ~ 5.825GHz:** **1TX:** 222.844mW **CDD Mode:** **4TX:** 864.747mW **3TX:** 671.55mW **2TX:** 436.587mW **Beamforming Mode:** **4TX:** 290.382mW **3TX:** 357.833mW **2TX:** 467.187mW

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 permissive change. The difference compared with the Report No.: RF170912E01-1 as the following:

   ◆ Added new model as following table:

Original			**Difference**
Product	Brand	Model	
Premium Outdoor Wi-Fi & BLE Array AP	Mist	AP61	1. Internal Antenna 2. For marketing purpose
Newly			
Product	Brand	Model	
Premium Outdoor Wi-Fi & BLE Array AP	Mist	AP61E	1. External Antenna 2. For marketing purpose

2. According to above condition, for newly model, only Radiated Emissions and Band Edge Measurement and Conducted power need to be performed. And all data were verified to meet the requirements.
3. There are WLAN and Bluetooth technology used for the EUT. The EUT has three radios as following table:

Radio 1	**Radio 2**	**Radio 3**
WLAN - 2.4GHz + 5GHz	(Scanning Radio) WLAN RX only - 2.4GHz + 5GHz	Bluetooth

4. Simultaneously transmission condition.

Condition	**Technology**	
1	WLAN 2.4GHz (Radio 1)	Bluetooth(Radio 3)
2	WLAN 5GHz (Radio 1)	Bluetooth(Radio 3)
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.		

5. The EUT must be supplied with a POE (only for test not for sale) as following table:

Brand	Model No.	Spec.
Microsemi	PD-9001GR/AT/AC	Input: 100-240Vac, 50/60Hz, 0.67A Output: 55Vdc, 0.6A

6. The antennas provided to the EUT, please refer to the following table:

For Model No.: AP61

Radio 1- WLAN - 2.4GHz + 5GHz (Internal antenna)

Antenna Set	Transmitter Circuit	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type
1	Chain (0)	3.87	2.4~2.4835	PIFA	i-pex(MHF)
		4.94	5.15~5.25		
		4.66	5.25~5.35		
		4.25	5.47~5.725		
		4.42	5.725~5.85		
	Chain (1)	3.91	2.4~2.4835	PIFA	i-pex(MHF)
		4.23	5.15~5.25		
		4.54	5.25~5.35		
		4.66	5.47~5.725		
		4.70	5.725~5.85		
	Chain (2)	3.93	2.4~2.4835	PIFA	i-pex(MHF)
		4.53	5.15~5.25		
		4.86	5.25~5.35		
		4.95	5.47~5.725		
		4.94	5.725~5.85		
	Chain (3)	3.81	2.4~2.4835	PIFA	i-pex(MHF)
		4.50	5.15~5.25		
		4.92	5.25~5.35		
		4.71	5.47~5.725		
		4.90	5.725~5.85		

Radio 2- WLAN RX only - 2.4GHz + 5GHz (Scanning radio antenna)

Antenna No.	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type
1	3.85	2.4~2.4835	PIFA	i-pex(MHF)
	4.61	5.15~5.25		
	4.71	5.25~5.35		
	4.72	5.47~5.725		
	4.73	5.725~5.85		

Radio 3 - Bluetooth

Antenna No.	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type
1	3.56	2.4~2.4835	Omni	i-pex(MHF)
2	5.01	2.4~2.4835	Patch	i-pex(MHF)

For Model No.: AP61E

Radio 1 - WLAN - 2.4GHz + 5GHz (External antenna)

Antenna Set	Transmitter Circuit	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type
1	Chain (0)	PCTEL	FPMI2458-DP4NM	6	2.4~2.4835	Sector	N-Type
				5	5.15~5.25		
				5	5.25~5.35		
				5	5.47~5.725		
				5	5.725~5.85		
	Chain (1)	PCTEL	FPMI2458-DP4NM	6	2.4~2.4835	Sector	N-Type
				5	5.15~5.25		
				5	5.25~5.35		
				5	5.47~5.725		
				5	5.725~5.85		
	Chain (2)	PCTEL	FPMI2458-DP4NM	6	2.4~2.4835	Sector	N-Type
				5	5.15~5.25		
				5	5.25~5.35		
				5	5.47~5.725		
				5	5.725~5.85		
	Chain (3)	PCTEL	FPMI2458-DP4NM	6	2.4~2.4835	Sector	N-Type
				5	5.15~5.25		
				5	5.25~5.35		
				5	5.47~5.725		
				5	5.725~5.85		
Antenna Set	Transmitter Circuit	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type
2	Chain (0)	PCTEL	MPMI2458-4-NM	4	2.4~2.4835	Omnidirectional	N-Type
				4	5.15~5.25		
				4	5.25~5.35		
				4	5.47~5.725		
				4	5.725~5.85		
	Chain (1)	PCTEL	MPMI2458-4-NM	4	2.4~2.4835	Omnidirectional	N-Type
				4	5.15~5.25		
				4	5.25~5.35		
				4	5.47~5.725		
				4	5.725~5.85		
	Chain (2)	PCTEL	MPMI2458-4-NM	4	2.4~2.4835	Omnidirectional	N-Type
				4	5.15~5.25		
				4	5.25~5.35		
				4	5.47~5.725		
				4	5.725~5.85		
	Chain (3)	PCTEL	MPMI2458-4-NM	4	2.4~2.4835	Omnidirectional	N-Type
				4	5.15~5.25		
				4	5.25~5.35		
				4	5.47~5.725		
				4	5.725~5.85		

Radio 2 - WLAN RX only - 2.4GHz + 5GHz (Scanning radio antenna)					
Antenna No.	Transmitter Circuit	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type
1	Chain (0)	3.85	2.4~2.4835	PIFA	i-pex(MHF)
		4.61	5.15~5.25		
		4.71	5.25~5.35		
		4.72	5.47~5.725		
		4.73	5.725~5.85		
Radio 3 - Bluetooth					
Antenna No.	Transmitter Circuit	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connecter Type
1	Chain (0)	3.56	2.4~2.4835	Omni	i-pex(MHF)
2	Chain (1)	5.01	2.4~2.4835	Patch	i-pex(MHF)

Note:
1. Max. gain was selected for Antenna Port Conducted Measurement test.
2. For antennas of radio 2 & 3, Model No.: AP61 is as same as AP61E.

7. The EUT incorporates a MIMO function:

2.4GHz Band			
MODULATION MODE	**DATA RATE (MCS)**	**TX & RX CONFIGURATION**	
802.11b	1 ~ 11Mbps	4TX	4RX
802.11g	6 ~ 54Mbps	4TX	4RX
802.11n (HT20)	MCS 0~7	4TX	4RX
	MCS 8~15	4TX	4RX
	MCS 16~23	4TX	4RX
	MCS 24~31	4TX	4RX
802.11n (HT40)	MCS 0~7	4TX	4RX
	MCS 8~15	4TX	4RX
	MCS 16~23	4TX	4RX
	MCS 24~31	4TX	4RX
VHT20	MCS 0~7	4TX	4RX
	MCS 8~15	4TX	4RX
	MCS 16~23	4TX	4RX
	MCS 24~31	4TX	4RX
VHT40	MCS 0~7	4TX	4RX
	MCS 8~15	4TX	4RX
	MCS 16~23	4TX	4RX
	MCS 24~31	4TX	4RX
5GHz Band			
MODULATION MODE	**DATA RATE (MCS)**	**TX & RX CONFIGURATION**	
802.11a	6 ~ 54Mbps	4TX	4RX
802.11n (HT20)	MCS 0~7	4TX	4RX
	MCS 8~15	4TX	4RX
	MCS 16~23	4TX	4RX
	MCS 24~31	4TX	4RX
802.11n (HT40)	MCS 0~7	4TX	4RX
	MCS 8~15	4TX	4RX
	MCS 16~23	4TX	4RX
	MCS 24~31	4TX	4RX
802.11ac (VHT20)	MCS 0~8, Nss=1	4TX	4RX
	MCS 0~8, Nss=2	4TX	4RX
	MCS 0~9, Nss=3	4TX	4RX
	MCS 0~8, Nss=4	4TX	4RX
802.11ac (VHT40)	MCS 0~9, Nss=1	4TX	4RX
	MCS 0~9, Nss=2	4TX	4RX
	MCS 0~9, Nss=3	4TX	4RX
	MCS 0~9, Nss=4	4TX	4RX
802.11ac (VHT80)	MCS 0~9, Nss=1	4TX	4RX
	MCS 0~9, Nss=2	4TX	4RX
	MCS 0~9, Nss=3	4TX	4RX
	MCS 0~9, Nss=4	4TX	4RX

Note:
1. All of modulation mode support beamforming function except 802.11a/b/g modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ac mode for 20MHz (40MHz), therefore investigated worst case to representative mode in test report.

8. The above EUT information is declared by manufacturer and for more detailed features description, please refer 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	5180MHz	44	5220MHz
40	5200MHz	48	5240MHz

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

Channel	Frequency	Channel	Frequency
38	5190MHz	46	5230MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
42	5210MHz

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≥1G	RE<1G	APCM	
1	√	√	√	4TX Mode
2	√	√	√	3TX Mode
3	√	√	√	2TX Mode
4	√	√	√	1TX Mode

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

NOTE: "-" means no effect.

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.

4TX/3TX/2TX-CDD Mode						
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
	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6
4TX/3TX/2TX-Beamforming Mode						
Mode	**FREQ. Band (MHz)**	**Available Channel**	**Tested Channel**	**Modulation Technology**	**Modulation Type**	**Data Rate (Mbps)**
802.11ac (VHT20)	5180-5240	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
802.11ac (VHT20)	5745-5825	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
1TX						
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	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.

4TX/3TX/2TX/1TX-CDD Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11a	5180-5240 5745-5825	36 to 48 149 to 165	149	OFDM	BPSK	6

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.

4TX/3TX/2TX-CDD Mode						
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
	5745-5825	149 to 165	149, 157, 165	OFDM	BPSK	6
4TX/3TX/2TX-Beamforming Mode						
Mode	FREQ. Band (MHz)	Available Channel	Tested Channel	Modulation Technology	Modulation Type	Data Rate (Mbps)
802.11ac (VHT20)	5180-5240	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
802.11ac (VHT20)	5745-5825	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
1TX						
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	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

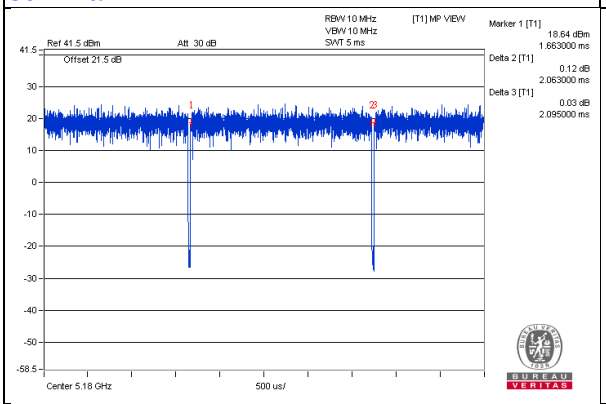
Test Condition:

Applicable To	Environmental Conditions	Input Power (SYSTEM)	Tested By
RE≥1G	23deg. C, 68%RH	120Vac, 60Hz	Rey chen
RE<1G	24deg. C, 68%RH	120Vac, 60Hz	Weiwei Lo
APCM	25deg. C, 60%RH	120Vac, 60Hz	Robert Cheng

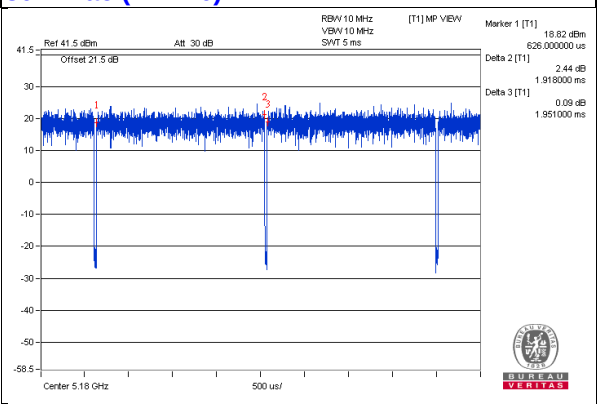
3.3 Duty Cycle of Test Signal

If duty cycle of test signal is ≥ 98 %, duty factor is not required.
If duty cycle of test signal is < 98%, duty factor shall be considered.
802.11a: Duty cycle = 2.063 ms/2.095 ms = 0.985
802.11ac (VHT20): Duty cycle = 1.918 ms/1.951 ms = 0.983
802.11ac (VHT40): Duty cycle = 0.951 ms/0.97 ms = 0.98
802.11ac (VHT80): Duty cycle = 0.459 ms/0.489 ms = 0.939, Duty factor = 10 * log(1/0.939) = 0.27

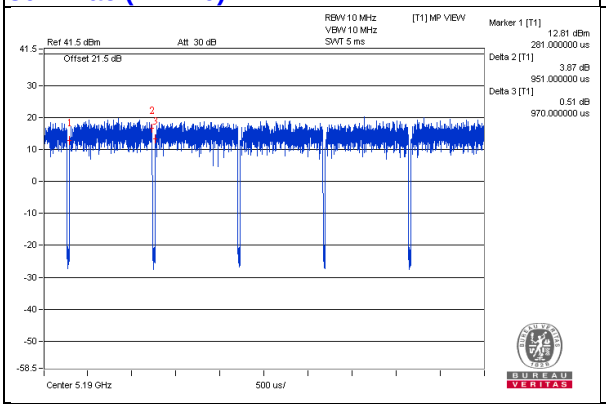
802.11a



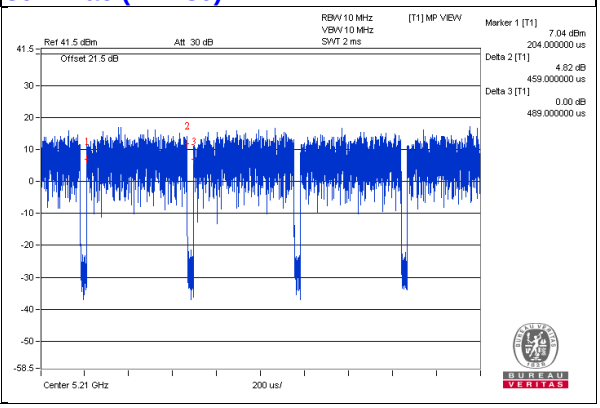
802.11ac (VHT20)



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.

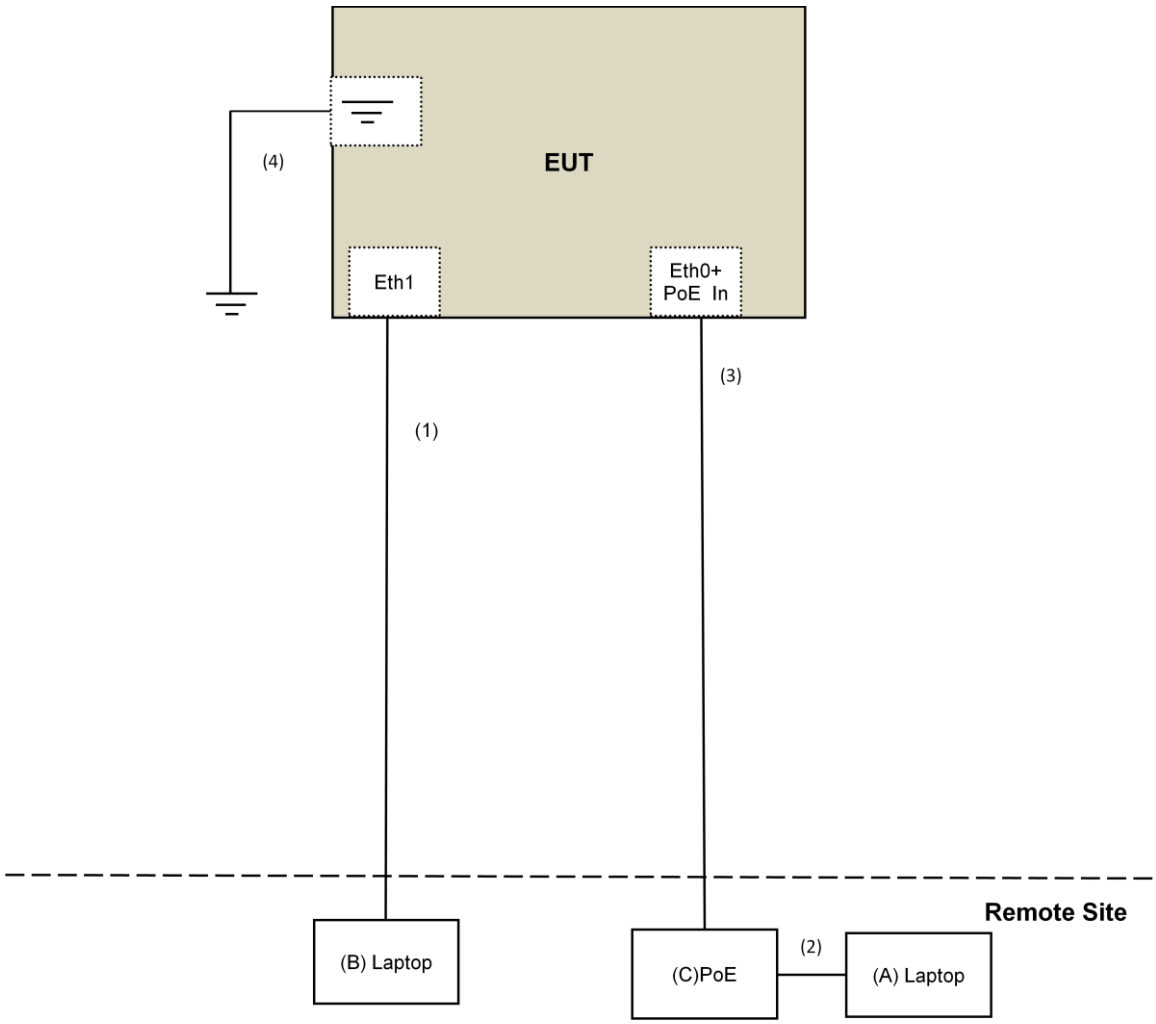
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Laptop	DELL	E6420	B92T3R1	FCC DoC	Provided by Lab
B.	Laptop	DELL	E6420	482T3R1	FCC DoC	Provided by Lab
C.	PoE	Microsemi	PD-9001GR/AT/AC	NA	NA	Supplied by client

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.	RJ-45 Cable	1	3	No	0	Provided by Lab
3.	RJ-45 Cable	1	10	No	0	Provided by Lab
4.	Earth Cable	1	3	No	0	Provided by Lab

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 v01r04
KDB 662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2013

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

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

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

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

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

NOTE:

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

Limits of unwanted emission out of the restricted bands

<table>
<tr><td colspan="2">Applicable To</td><td colspan="2">Limit</td></tr>
<tr><td colspan="2" rowspan="2">789033 D02 General UNII Test Procedure New Rules v01r04</td><td colspan="2">Field Strength at 3m</td></tr>
<tr><td>PK:74 (dBμV/m)</td><td>AV:54 (dBμV/m)</td></tr>
<tr><td>Frequency Band</td><td colspan="2">Applicable To</td><td>EIRP Limit</td><td>Equivalent Field Strength at 3m</td></tr>
<tr><td>5150~5250 MHz</td><td colspan="2">15.407(b)(1)</td><td rowspan="3">PK:-27 (dBm/MHz)</td><td rowspan="3">PK:68.2(dBμV/m)</td></tr>
<tr><td>5250~5350 MHz</td><td colspan="2">15.407(b)(2)</td></tr>
<tr><td>5470~5725 MHz</td><td colspan="2">15.407(b)(3)</td></tr>
<tr><td rowspan="2">5725~5850 MHz</td><td>☒</td><td>15.407(b)(4)(i)</td><td>PK:-27 (dBm/MHz) *1
PK:10 (dBm/MHz) *2
PK:15.6 (dBm/MHz) *3
PK:27 (dBm/MHz) *4</td><td>PK: 68.2(dBμV/m) *1
PK:105.2 (dBμV/m) *2
PK: 110.8(dBμV/m) *3
PK:122.2 (dBμV/m) *4</td></tr>
<tr><td>☐</td><td>15.407(b)(4)(ii)</td><td colspan="2">Emission limits in section 15.247(d)</td></tr>
<tr><td colspan="5">*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.</td></tr>
</table>

Note:

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

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

4.1.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY50010156	July 12, 2017	July 11, 2018
Pre-Amplifier(*) EMCI	EMC001340	980142	Jan. 20, 2016	Jan. 19, 2018
Loop Antenna(*) Electro-Metrics	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable	NA	LOOPCAB-001 LOOPCAB-002	Jan. 17, 2017	Jan. 16, 2018
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	May 06, 2017	May 05, 2018
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Dec. 29, 2016	Dec. 28, 2017
RF Cable	8D	966-3-1 966-3-2 966-3-3	Apr. 01, 2017	Mar. 31, 2018
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Oct. 03, 2017	Oct. 02, 2018
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Dec. 28, 2016	Dec. 27, 2017
Pre-Amplifier EMCI	EMC12630SE	980384	Feb. 02, 2017	Feb. 01, 2018
RF Cable	EMC104-SM-SM-1200 EMC104-SM-SM-2000 EMC104-SM-SM-5000	160922 150317 150322	Feb. 02, 2017 Mar. 29, 2017 Mar. 29, 2017	Feb. 01, 2018 Mar. 28, 2018 Mar. 28, 2018
Spectrum Analyzer Keysight	N9030A	MY54490679	July 25, 2017	July 24, 2018
Pre-Amplifier EMCI	EMC184045SE	980386	Feb. 02, 2017	Feb. 01, 2018
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 15, 2016	Dec. 14, 2017
RF Cable	SUCOFLEX 102	36432/2 36433/2	Jan. 15, 2017	Jan. 14, 2018
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Spectrum Analyzer R&S	FSv40	100964	July 1, 2017	June 30, 2018
Power meter Anritsu	ML2495A	1014008	May 11, 2017	May 10, 2018
Power sensor Anritsu	MA2411B	0917122	May 11, 2017	May 10, 2018

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. *The 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. 3.
4 Loop antenna was used for all emissions below 30 MHz.
5 The CANADA Site Registration No. is 20331-1.
6 Tested Date: Oct. 05 to Nov. 03, 2017.

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. Both X and Y axes of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

NOTE:

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

For Radiated emission above 30MHz

a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

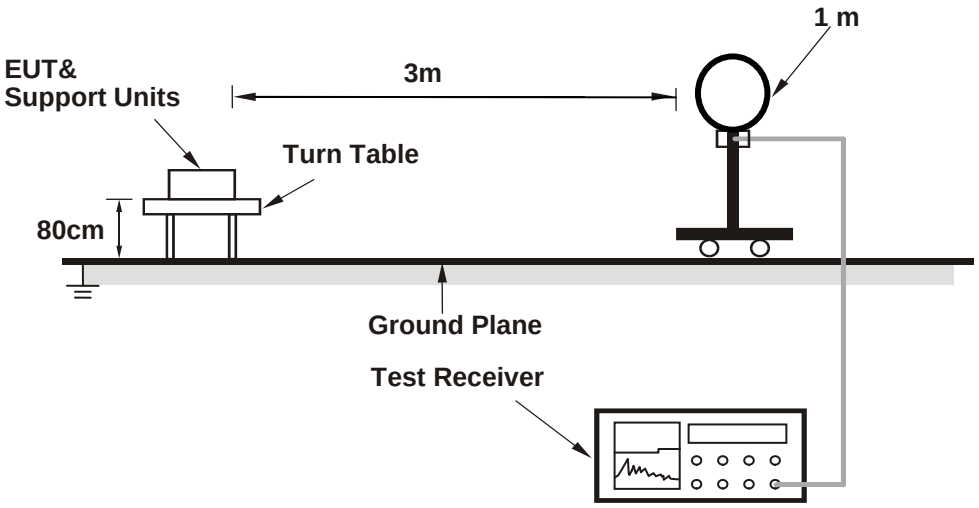
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz (Duty cycle ≥ 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

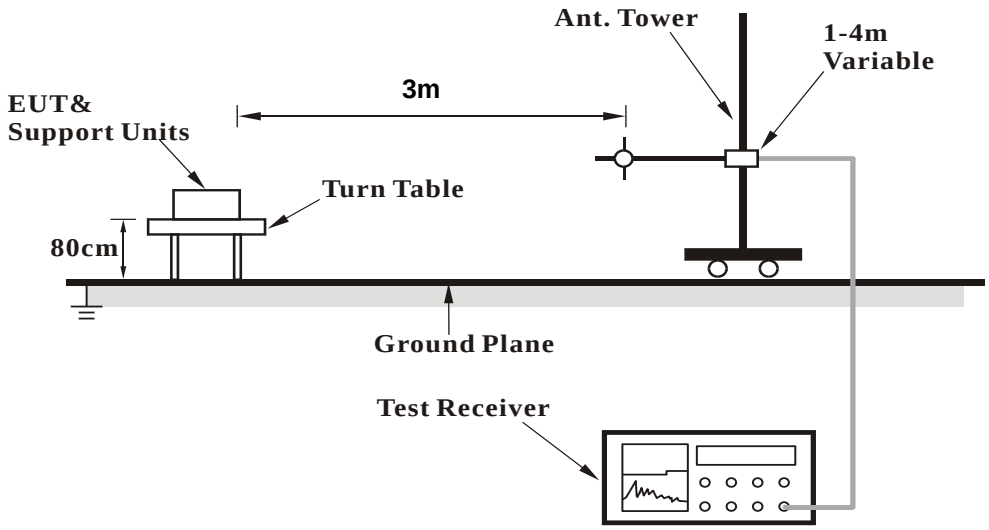
No deviation.

4.1.5 Test Setup

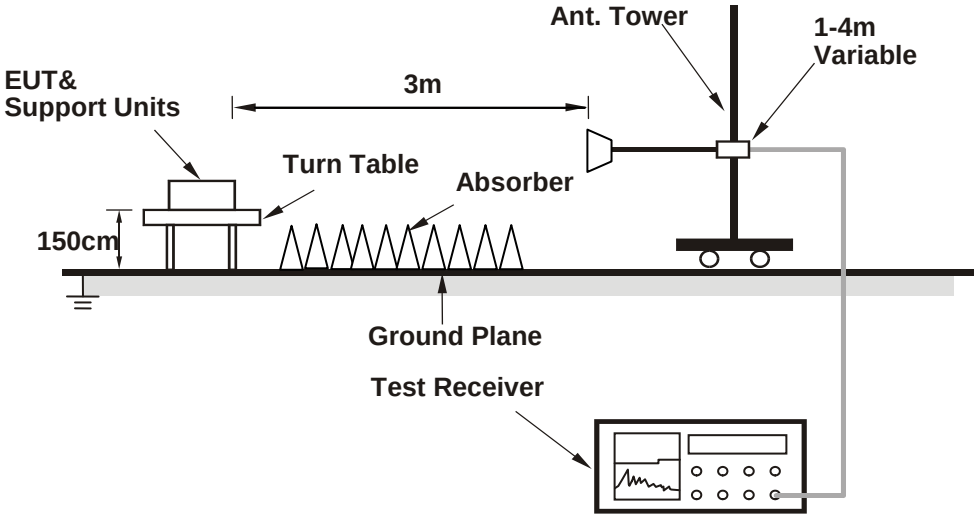
For Radiated emission below 30MHz



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

a. Connected the EUT with the Laptop which is placed on remote site.

b. Controlling software (Mtool_2_0_0_7) has been activated to set the EUT on specific status.

4.1.7 Test Results (Mode 1)

Sector Antenna

Above 1GHz Data:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	51.6 PK	74.0	-22.4	1.39 H	348	47.9	3.7
2	5150.00	40.5 AV	54.0	-13.5	1.39 H	348	36.8	3.7
3	*5180.00	106.9 PK			1.39 H	348	103.2	3.7
4	*5180.00	97.8 AV			1.39 H	348	94.1	3.7
5	#10360.00	47.3 PK	74.0	-26.7	1.59 H	148	34.3	13.0
6	#10360.00	35.3 AV	54.0	-18.7	1.59 H	148	22.3	13.0
7	15540.00	56.6 PK	74.0	-17.4	3.11 H	303	43.5	13.1
8	15540.00	44.4 AV	54.0	-9.6	3.11 H	303	31.3	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	50.9 PK	74.0	-23.1	1.82 V	338	47.2	3.7
2	5150.00	40.2 AV	54.0	-13.8	1.82 V	338	36.5	3.7
3	*5180.00	106.4 PK			1.82 V	338	102.7	3.7
4	*5180.00	97.0 AV			1.82 V	338	93.3	3.7
5	#10360.00	48.4 PK	74.0	-25.6	1.91 V	9	35.4	13.0
6	#10360.00	36.0 AV	54.0	-18.0	1.91 V	9	23.0	13.0
7	15540.00	58.0 PK	74.0	-16.0	2.25 V	326	44.9	13.1
8	15540.00	45.7 AV	54.0	-8.3	2.25 V	326	32.6	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	106.7 PK			1.39 H	352	103.0	3.7
2	*5200.00	97.5 AV			1.39 H	352	93.8	3.7
3	#10400.00	46.8 PK	74.0	-27.2	1.52 H	122	33.8	13.0
4	#10400.00	34.6 AV	54.0	-19.4	1.52 H	122	21.6	13.0
5	15600.00	56.2 PK	74.0	-17.8	3.08 H	290	42.9	13.3
6	15600.00	43.9 AV	54.0	-10.1	3.08 H	290	30.6	13.3
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	*5200.00	106.2 PK			1.77 V	353	102.5	3.7
2	*5200.00	96.7 AV			1.77 V	353	93.0	3.7
3	#10400.00	48.5 PK	74.0	-25.5	1.98 V	6	35.5	13.0
4	#10400.00	36.1 AV	54.0	-17.9	1.98 V	6	23.1	13.0
5	15600.00	57.2 PK	74.0	-16.8	2.28 V	321	43.9	13.3
6	15600.00	45.2 AV	54.0	-8.8	2.28 V	321	31.9	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	107.0 PK			1.38 H	335	103.2	3.8
2	*5240.00	97.8 AV			1.38 H	335	94.0	3.8
3	5350.00	50.3 PK	74.0	-23.7	1.38 H	335	46.2	4.1
4	5350.00	38.5 AV	54.0	-15.5	1.38 H	335	34.4	4.1
5	#10480.00	45.9 PK	74.0	-28.1	1.52 H	132	32.7	13.2
6	#10480.00	33.9 AV	54.0	-20.1	1.52 H	132	20.7	13.2
7	15720.00	55.7 PK	74.0	-18.3	3.06 H	303	42.1	13.6
8	15720.00	43.6 AV	54.0	-10.4	3.06 H	303	30.0	13.6
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	*5240.00	106.5 PK			2.27 V	12	102.7	3.8
2	*5240.00	97.0 AV			2.27 V	12	93.2	3.8
3	5350.00	49.6 PK	74.0	-24.4	2.27 V	12	45.5	4.1
4	5350.00	38.2 AV	54.0	-15.8	2.27 V	12	34.1	4.1
5	#10480.00	48.3 PK	74.0	-25.7	1.90 V	13	35.1	13.2
6	#10480.00	36.0 AV	54.0	-18.0	1.90 V	13	22.8	13.2
7	15720.00	56.9 PK	74.0	-17.1	2.22 V	332	43.3	13.6
8	15720.00	44.7 AV	54.0	-9.3	2.22 V	332	31.1	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5590.56	60.7 PK	68.2	-7.5	1.07 H	340	56.5	4.2
2	*5745.00	121.2 PK			1.07 H	340	116.8	4.4
3	*5745.00	111.6 AV			1.07 H	340	107.2	4.4
4	#5988.81	61.4 PK	68.2	-6.8	1.07 H	340	56.7	4.7
5	11490.00	57.9 PK	74.0	-16.1	1.51 H	128	44.4	13.5
6	11490.00	44.6 AV	54.0	-9.4	1.51 H	128	31.1	13.5
7	#17235.00	54.9 PK	74.0	-19.1	3.14 H	310	37.6	17.3
8	#17235.00	42.8 AV	54.0	-11.2	3.14 H	310	25.5	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5583.32	60.4 PK	68.2	-7.8	1.82 V	339	56.2	4.2
2	*5745.00	122.7 PK			1.82 V	339	118.3	4.4
3	*5745.00	112.5 AV			1.82 V	339	108.1	4.4
4	#5976.45	58.9 PK	68.2	-9.3	1.82 V	339	54.2	4.7
5	11490.00	58.8 PK	74.0	-15.2	1.89 V	52	45.3	13.5
6	11490.00	46.2 AV	54.0	-7.8	1.89 V	52	32.7	13.5
7	#17235.00	56.1 PK	74.0	-17.9	2.43 V	360	38.8	17.3
8	#17235.00	45.2 AV	54.0	-8.8	2.43 V	360	27.9	17.3

REMARKS:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5632.90	62.6 PK	68.2	-5.6	1.01 H	338	58.2	4.4
2	*5785.00	121.3 PK			1.01 H	338	116.9	4.4
3	*5785.00	111.8 AV			1.01 H	338	107.4	4.4
4	#6018.22	60.4 PK	68.2	-7.8	1.01 H	338	55.6	4.8
5	11570.00	57.9 PK	74.0	-16.1	1.51 H	128	44.4	13.5
6	11570.00	44.6 AV	54.0	-9.4	1.51 H	128	31.1	13.5
7	#17355.00	54.9 PK	74.0	-19.1	3.14 H	310	36.9	18.0
8	#17355.00	42.8 AV	54.0	-11.2	3.14 H	310	24.8	18.0
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	#5621.64	60.1 PK	68.2	-8.1	1.79 V	340	55.7	4.4
2	*5785.00	121.9 PK			1.79 V	340	117.5	4.4
3	*5785.00	111.9 AV			1.79 V	340	107.5	4.4
4	#6018.46	58.1 PK	68.2	-10.1	1.79 V	340	53.3	4.8
5	11570.00	59.2 PK	74.0	-14.8	1.80 V	31	45.7	13.5
6	11570.00	46.3 AV	54.0	-7.7	1.80 V	31	32.8	13.5
7	#17355.00	56.0 PK	74.0	-18.0	2.48 V	355	38.0	18.0
8	#17355.00	44.8 AV	54.0	-9.2	2.48 V	355	26.8	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5587.67	60.1 PK	68.2	-8.1	1.03 H	336	55.9	4.2
2	*5825.00	120.9 PK			1.03 H	336	116.5	4.4
3	*5825.00	111.0 AV			1.03 H	336	106.6	4.4
4	#5938.30	58.2 PK	68.2	-10.0	1.03 H	336	53.5	4.7
5	11650.00	57.9 PK	74.0	-16.1	1.51 H	128	44.2	13.7
6	11650.00	44.6 AV	54.0	-9.4	1.51 H	128	30.9	13.7
7	#17475.00	54.9 PK	74.0	-19.1	3.14 H	310	36.3	18.6
8	#17475.00	42.8 AV	54.0	-11.2	3.14 H	310	24.2	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5590.47	62.7 PK	68.2	-5.5	1.94 V	339	58.5	4.2
2	*5825.00	121.7 PK			1.94 V	339	117.3	4.4
3	*5825.00	111.7 AV			1.94 V	339	107.3	4.4
4	#5985.02	59.0 PK	68.2	-9.2	1.94 V	339	54.3	4.7
5	11650.00	58.6 PK	74.0	-15.4	1.93 V	35	44.9	13.7
6	11650.00	46.1 AV	54.0	-7.9	1.93 V	35	32.4	13.7
7	#17475.00	56.0 PK	74.0	-18.0	2.44 V	349	37.4	18.6
8	#17475.00	45.1 AV	54.0	-8.9	2.44 V	349	26.5	18.6

REMARKS:

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

802.11ac (VHT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	47.9 PK	74.0	-26.1	1.30 H	354	44.2	3.7
2	5150.00	36.3 AV	54.0	-17.7	1.30 H	354	32.6	3.7
3	*5180.00	98.7 PK			1.30 H	354	95.0	3.7
4	*5180.00	88.3 AV			1.30 H	354	84.6	3.7
5	#10360.00	47.2 PK	74.0	-26.8	1.51 H	120	34.2	13.0
6	#10360.00	35.0 AV	54.0	-19.0	1.51 H	120	22.0	13.0
7	15540.00	57.0 PK	74.0	-17.0	3.04 H	302	43.9	13.1
8	15540.00	44.7 AV	54.0	-9.3	3.04 H	302	31.6	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	47.2 PK	74.0	-26.8	2.08 V	351	43.5	3.7
2	5150.00	36.0 AV	54.0	-18.0	2.08 V	351	32.3	3.7
3	*5180.00	98.2 PK			2.08 V	351	94.5	3.7
4	*5180.00	87.5 AV			2.08 V	351	83.8	3.7
5	#10360.00	48.7 PK	74.0	-25.3	1.96 V	3	35.7	13.0
6	#10360.00	36.0 AV	54.0	-18.0	1.96 V	3	23.0	13.0
7	15540.00	57.1 PK	74.0	-16.9	2.30 V	333	44.0	13.1
8	15540.00	45.3 AV	54.0	-8.7	2.30 V	333	32.2	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	97.6 PK			1.31 H	353	93.9	3.7
2	*5200.00	87.6 AV			1.31 H	353	83.9	3.7
3	#10400.00	47.3 PK	74.0	-26.7	1.57 H	148	34.3	13.0
4	#10400.00	35.3 AV	54.0	-18.7	1.57 H	148	22.3	13.0
5	15600.00	56.3 PK	74.0	-17.7	3.06 H	303	43.0	13.3
6	15600.00	43.9 AV	54.0	-10.1	3.06 H	303	30.6	13.3
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	*5200.00	97.1 PK			2.06 V	352	93.4	3.7
2	*5200.00	86.8 AV			2.06 V	352	83.1	3.7
3	#10400.00	48.9 PK	74.0	-25.1	1.95 V	7	35.9	13.0
4	#10400.00	35.9 AV	54.0	-18.1	1.95 V	7	22.9	13.0
5	15600.00	57.8 PK	74.0	-16.2	2.26 V	312	44.5	13.3
6	15600.00	45.9 AV	54.0	-8.1	2.26 V	312	32.6	13.3

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 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	100.2 PK			1.30 H	356	96.4	3.8
2	*5240.00	89.9 AV			1.30 H	356	86.1	3.8
3	5350.00	48.8 PK	74.0	-25.2	1.30 H	356	44.7	4.1
4	5350.00	36.6 AV	54.0	-17.4	1.30 H	356	32.5	4.1
5	#10480.00	47.0 PK	74.0	-27.0	1.56 H	148	33.8	13.2
6	#10480.00	35.3 AV	54.0	-18.7	1.56 H	148	22.1	13.2
7	15720.00	56.8 PK	74.0	-17.2	3.14 H	303	43.2	13.6
8	15720.00	44.5 AV	54.0	-9.5	3.14 H	303	30.9	13.6
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	*5240.00	99.7 PK			1.98 V	357	95.9	3.8
2	*5240.00	89.1 AV			1.98 V	357	85.3	3.8
3	5350.00	48.1 PK	74.0	-25.9	1.98 V	357	44.0	4.1
4	5350.00	36.3 AV	54.0	-17.7	1.98 V	357	32.2	4.1
5	#10480.00	49.1 PK	74.0	-24.9	1.95 V	24	35.9	13.2
6	#10480.00	36.3 AV	54.0	-17.7	1.95 V	24	23.1	13.2
7	15720.00	57.1 PK	74.0	-16.9	2.28 V	311	43.5	13.6
8	15720.00	45.4 AV	54.0	-8.6	2.28 V	311	31.8	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5586.18	58.8 PK	68.2	-9.4	1.57 H	342	54.6	4.2
2	*5745.00	115.7 PK			1.57 H	342	111.3	4.4
3	*5745.00	106.0 AV			1.57 H	342	101.6	4.4
4	#5976.48	58.0 PK	68.2	-10.2	1.57 H	342	53.3	4.7
5	11490.00	57.9 PK	74.0	-16.1	1.51 H	128	44.4	13.5
6	11490.00	44.6 AV	54.0	-9.4	1.51 H	128	31.1	13.5
7	#17235.00	54.9 PK	74.0	-19.1	3.14 H	310	37.6	17.3
8	#17235.00	42.8 AV	54.0	-11.2	3.14 H	310	25.5	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5598.38	57.2 PK	68.2	-11.0	2.03 V	360	52.8	4.4
2	*5745.00	115.6 PK			2.03 V	360	111.2	4.4
3	*5745.00	105.7 AV			2.03 V	360	101.3	4.4
4	#5991.85	58.4 PK	68.2	-9.8	2.03 V	360	53.7	4.7
5	11490.00	59.1 PK	74.0	-14.9	1.87 V	33	45.6	13.5
6	11490.00	46.1 AV	54.0	-7.9	1.87 V	33	32.6	13.5
7	#17235.00	56.8 PK	74.0	-17.2	2.54 V	360	39.5	17.3
8	#17235.00	45.6 AV	54.0	-8.4	2.54 V	360	28.3	17.3

REMARKS:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5621.82	59.2 PK	68.2	-9.0	1.60 H	340	54.8	4.4
2	*5785.00	116.3 PK			1.60 H	340	111.9	4.4
3	*5785.00	106.1 AV			1.60 H	340	101.7	4.4
4	#6018.23	58.9 PK	68.2	-9.3	1.60 H	340	54.1	4.8
5	11570.00	57.9 PK	74.0	-16.1	1.51 H	128	44.4	13.5
6	11570.00	44.6 AV	54.0	-9.4	1.51 H	128	31.1	13.5
7	#17355.00	54.9 PK	74.0	-19.1	3.14 H	310	36.9	18.0
8	#17355.00	42.8 AV	54.0	-11.2	3.14 H	310	24.8	18.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5550.25	59.7 PK	68.2	-8.5	1.89 V	356	55.5	4.2
2	*5785.00	115.6 PK			1.89 V	356	111.2	4.4
3	*5785.00	105.2 AV			1.89 V	356	100.8	4.4
4	#5953.16	56.0 PK	68.2	-12.2	1.89 V	356	51.3	4.7
5	11570.00	59.1 PK	74.0	-14.9	1.86 V	57	45.6	13.5
6	11570.00	46.4 AV	54.0	-7.6	1.86 V	57	32.9	13.5
7	#17355.00	56.2 PK	74.0	-17.8	2.47 V	341	38.2	18.0
8	#17355.00	45.1 AV	54.0	-8.9	2.47 V	341	27.1	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5588.20	60.0 PK	68.2	-8.2	1.60 H	337	55.8	4.2
2	*5825.00	116.2 PK			1.60 H	337	111.8	4.4
3	*5825.00	106.5 AV			1.60 H	337	102.1	4.4
4	#5930.95	57.9 PK	68.2	-10.3	1.60 H	337	53.2	4.7
5	11650.00	57.9 PK	74.0	-16.1	1.51 H	128	44.2	13.7
6	11650.00	44.6 AV	54.0	-9.4	1.51 H	128	30.9	13.7
7	#17475.00	54.9 PK	74.0	-19.1	3.14 H	310	36.3	18.6
8	#17475.00	42.8 AV	54.0	-11.2	3.14 H	310	24.2	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5578.67	59.5 PK	68.2	-8.7	1.83 V	357	55.3	4.2
2	*5825.00	115.7 PK			1.83 V	357	111.3	4.4
3	*5825.00	105.6 AV			1.83 V	357	101.2	4.4
4	#5981.42	56.2 PK	68.2	-12.0	1.83 V	357	51.5	4.7
5	11650.00	59.5 PK	74.0	-14.5	1.93 V	30	45.8	13.7
6	11650.00	46.5 AV	54.0	-7.5	1.93 V	30	32.8	13.7
7	#17475.00	56.4 PK	74.0	-17.6	2.43 V	360	37.8	18.6
8	#17475.00	45.1 AV	54.0	-8.9	2.43 V	360	26.5	18.6

REMARKS:

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

802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	47.2 PK	74.0	-26.8	1.29 H	355	43.5	3.7
2	5150.00	37.2 AV	54.0	-16.8	1.29 H	355	33.5	3.7
3	*5190.00	95.3 PK			1.29 H	355	91.6	3.7
4	*5190.00	86.2 AV			1.29 H	355	82.5	3.7
5	5350.00	49.4 PK	74.0	-24.6	1.29 H	355	45.3	4.1
6	5350.00	37.5 AV	54.0	-16.5	1.29 H	355	33.4	4.1
7	#10380.00	46.9 PK	74.0	-27.1	1.59 H	137	33.8	13.1
8	#10380.00	35.0 AV	54.0	-19.0	1.59 H	137	21.9	13.1
9	15570.00	56.5 PK	74.0	-17.5	3.09 H	290	43.2	13.3
10	15570.00	44.4 AV	54.0	-9.6	3.09 H	290	31.1	13.3
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	5150.00	46.5 PK	74.0	-27.5	1.56 V	354	42.8	3.7
2	5150.00	36.9 AV	54.0	-17.1	1.56 V	354	33.2	3.7
3	*5190.00	94.8 PK			1.56 V	354	91.1	3.7
4	*5190.00	85.4 AV			1.56 V	354	81.7	3.7
5	5350.00	48.7 PK	74.0	-25.3	1.56 V	354	44.6	4.1
6	5350.00	37.2 AV	54.0	-16.8	1.56 V	354	33.1	4.1
7	#10380.00	49.1 PK	74.0	-24.9	1.96 V	19	36.0	13.1
8	#10380.00	36.3 AV	54.0	-17.7	1.96 V	19	23.2	13.1
9	15570.00	56.9 PK	74.0	-17.1	2.27 V	309	43.6	13.3
10	15570.00	45.1 AV	54.0	-8.9	2.27 V	309	31.8	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	96.4 PK			1.40 H	353	92.6	3.8
2	*5230.00	87.6 AV			1.40 H	353	83.8	3.8
3	5350.00	48.8 PK	74.0	-25.2	1.40 H	353	44.7	4.1
4	5350.00	37.7 AV	54.0	-16.3	1.40 H	353	33.6	4.1
5	#10460.00	46.8 PK	74.0	-27.2	1.55 H	141	33.7	13.1
6	#10460.00	34.5 AV	54.0	-19.5	1.55 H	141	21.4	13.1
7	15690.00	56.0 PK	74.0	-18.0	3.12 H	293	42.2	13.8
8	15690.00	44.0 AV	54.0	-10.0	3.12 H	293	30.2	13.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	95.9 PK			1.59 V	341	92.1	3.8
2	*5230.00	86.8 AV			1.59 V	341	83.0	3.8
3	5350.00	48.1 PK	74.0	-25.9	1.59 V	341	44.0	4.1
4	5350.00	37.4 AV	54.0	-16.6	1.59 V	341	33.3	4.1
5	#10460.00	48.2 PK	74.0	-25.8	1.94 V	0	35.1	13.1
6	#10460.00	35.6 AV	54.0	-18.4	1.94 V	0	22.5	13.1
7	15690.00	57.6 PK	74.0	-16.4	2.27 V	315	43.8	13.8
8	15690.00	45.5 AV	54.0	-8.5	2.27 V	315	31.7	13.8

REMARKS:

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

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5585.17	60.3 PK	68.2	-7.9	1.57 H	340	56.1	4.2
2	*5755.00	112.4 PK			1.57 H	340	108.0	4.4
3	*5755.00	103.2 AV			1.57 H	340	98.8	4.4
4	#5999.28	58.3 PK	68.2	-9.9	1.57 H	340	53.6	4.7
5	11510.00	57.9 PK	74.0	-16.1	1.51 H	128	44.3	13.6
6	11510.00	44.6 AV	54.0	-9.4	1.51 H	128	31.0	13.6
7	#17265.00	54.9 PK	74.0	-19.1	3.14 H	310	37.3	17.6
8	#17265.00	42.8 AV	54.0	-11.2	3.14 H	310	25.2	17.6
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	#5611.61	60.0 PK	68.2	-8.2	1.61 V	348	55.6	4.4
2	*5755.00	113.4 PK			1.61 V	348	109.0	4.4
3	*5755.00	102.8 AV			1.61 V	348	98.4	4.4
4	#5926.56	58.6 PK	68.2	-9.6	1.61 V	348	53.9	4.7
5	11510.00	59.4 PK	74.0	-14.6	1.87 V	47	45.8	13.6
6	11510.00	46.5 AV	54.0	-7.5	1.87 V	47	32.9	13.6
7	#17265.00	56.3 PK	74.0	-17.7	2.44 V	342	38.7	17.6
8	#17265.00	45.5 AV	54.0	-8.5	2.44 V	342	27.9	17.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5619.40	60.1 PK	68.2	-8.1	1.57 H	338	55.7	4.4
2	*5795.00	112.1 PK			1.57 H	338	107.7	4.4
3	*5795.00	102.9 AV			1.57 H	338	98.5	4.4
4	#5940.79	59.6 PK	68.2	-8.6	1.57 H	338	54.9	4.7
5	11590.00	57.9 PK	74.0	-16.1	1.51 H	128	44.4	13.5
6	11590.00	44.6 AV	54.0	-9.4	1.51 H	128	31.1	13.5
7	#17385.00	54.9 PK	74.0	-19.1	3.14 H	310	36.6	18.3
8	#17385.00	42.8 AV	54.0	-11.2	3.14 H	310	24.5	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5636.76	60.6 PK	68.2	-7.6	1.58 V	349	56.2	4.4
2	*5795.00	113.2 PK			1.58 V	349	108.8	4.4
3	*5795.00	103.5 AV			1.58 V	349	99.1	4.4
4	#5964.90	58.3 PK	68.2	-9.9	1.58 V	349	53.6	4.7
5	11590.00	59.4 PK	74.0	-14.6	1.86 V	39	45.9	13.5
6	11590.00	46.8 AV	54.0	-7.2	1.86 V	39	33.3	13.5
7	#17385.00	56.6 PK	74.0	-17.4	2.45 V	340	38.3	18.3
8	#17385.00	45.5 AV	54.0	-8.5	2.45 V	340	27.2	18.3

REMARKS:

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

802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	47.5 PK	74.0	-26.5	1.43 H	357	43.8	3.7
2	5150.00	38.2 AV	54.0	-15.8	1.43 H	357	34.5	3.7
3	*5210.00	91.9 PK			1.43 H	357	88.2	3.7
4	*5210.00	83.3 AV			1.43 H	357	79.6	3.7
5	5350.00	49.8 PK	74.0	-24.2	1.43 H	357	45.7	4.1
6	5350.00	38.1 AV	54.0	-15.9	1.43 H	357	34.0	4.1
7	#10420.00	46.9 PK	74.0	-27.1	1.55 H	136	33.8	13.1
8	#10420.00	34.9 AV	54.0	-19.1	1.55 H	136	21.8	13.1
9	15630.00	56.5 PK	74.0	-17.5	3.10 H	302	42.9	13.6
10	15630.00	44.3 AV	54.0	-9.7	3.10 H	302	30.7	13.6
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	5150.00	46.8 PK	74.0	-27.2	1.73 V	347	43.1	3.7
2	5150.00	37.9 AV	54.0	-16.1	1.73 V	347	34.2	3.7
3	*5210.00	91.4 PK			1.73 V	347	87.7	3.7
4	*5210.00	82.5 AV			1.73 V	347	78.8	3.7
5	5350.00	49.1 PK	74.0	-24.9	1.73 V	347	45.0	4.1
6	5350.00	37.8 AV	54.0	-16.2	1.73 V	347	33.7	4.1
7	#10420.00	48.7 PK	74.0	-25.3	1.94 V	10	35.6	13.1
8	#10420.00	36.0 AV	54.0	-18.0	1.94 V	10	22.9	13.1
9	15630.00	57.4 PK	74.0	-16.6	2.26 V	321	43.8	13.6
10	15630.00	45.4 AV	54.0	-8.6	2.26 V	321	31.8	13.6

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	#5627.96	62.9 PK	68.2	-5.3	1.53 H	338	58.5	4.4
2	*5775.00	109.3 PK			1.53 H	338	104.9	4.4
3	*5775.00	99.4 AV			1.53 H	338	95.0	4.4
4	#5932.65	61.1 PK	68.2	-7.1	1.53 H	338	56.4	4.7
5	11550.00	57.4 PK	74.0	-16.6	1.58 H	129	43.9	13.5
6	11550.00	44.2 AV	54.0	-9.8	1.58 H	129	30.7	13.5
7	#17325.00	53.9 PK	74.0	-20.1	3.13 H	324	36.1	17.8
8	#17325.00	42.2 AV	54.0	-11.8	3.13 H	324	24.4	17.8
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	**#5631.84**	**66.2 PK**	**68.2**	**-2.0**	**1.72 V**	**346**	**61.8**	**4.4**
2	*5775.00	110.3 PK			1.72 V	346	105.9	4.4
3	*5775.00	99.5 AV			1.72 V	346	95.1	4.4
4	#5933.11	59.1 PK	68.2	-9.1	1.72 V	346	54.4	4.7
5	11550.00	59.4 PK	74.0	-14.6	1.89 V	41	45.9	13.5
6	11550.00	46.6 AV	54.0	-7.4	1.89 V	41	33.1	13.5
7	#17325.00	56.2 PK	74.0	-17.8	2.49 V	356	38.4	17.8
8	#17325.00	45.2 AV	54.0	-8.8	2.49 V	356	27.4	17.8

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.

Below 1GHz Data:

802.11a

CHANNEL	TX Channel 149	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	112.84	36.0 QP	43.5	-7.5	2.00 H	293	46.8	-10.8
2	139.25	34.3 QP	43.5	-9.2	2.00 H	265	42.9	-8.6
3	207.66	34.4 QP	43.5	-9.1	1.00 H	197	46.0	-11.6
4	388.39	37.3 QP	46.0	-8.7	2.00 H	317	43.0	-5.7
5	439.10	35.1 QP	46.0	-10.9	2.00 H	293	39.0	-3.9
6	484.83	35.5 QP	46.0	-10.5	2.00 H	158	38.9	-3.4
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	45.18	36.0 QP	40.0	-4.0	1.00 V	207	44.3	-8.3
2	106.70	35.0 QP	43.5	-8.5	1.00 V	236	46.4	-11.4
3	139.22	29.8 QP	43.5	-13.7	1.00 V	67	38.4	-8.6
4	354.78	38.9 QP	46.0	-7.1	1.50 V	311	45.3	-6.4
5	394.24	41.8 QP	46.0	-4.2	1.00 V	239	47.4	-5.6
6	489.61	38.0 QP	46.0	-8.0	1.50 V	271	41.3	-3.3

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

Omnidirectional Antenna

Above 1GHz Data:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	50.8 PK	74.0	-23.2	1.85 H	330	47.1	3.7
2	5150.00	40.1 AV	54.0	-13.9	1.85 H	330	36.4	3.7
3	*5180.00	107.8 PK			1.85 H	330	104.1	3.7
4	*5180.00	96.6 AV			1.85 H	330	92.9	3.7
5	#10360.00	48.1 PK	74.0	-25.9	1.92 H	18	35.1	13.0
6	#10360.00	35.7 AV	54.0	-18.3	1.92 H	18	22.7	13.0
7	15540.00	58.3 PK	74.0	-15.7	2.31 H	330	45.2	13.1
8	15540.00	45.7 AV	54.0	-8.3	2.31 H	330	32.6	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	51.3 PK	74.0	-22.7	1.43 V	345	47.6	3.7
2	5150.00	40.2 AV	54.0	-13.8	1.43 V	345	36.5	3.7
3	*5180.00	107.9 PK			1.43 V	345	104.2	3.7
4	*5180.00	97.0 AV			1.43 V	345	93.3	3.7
5	#10360.00	47.0 PK	74.0	-27.0	1.56 V	150	34.0	13.0
6	#10360.00	35.0 AV	54.0	-19.0	1.56 V	150	22.0	13.0
7	15540.00	56.4 PK	74.0	-17.6	3.15 V	305	43.3	13.1
8	15540.00	44.1 AV	54.0	-9.9	3.15 V	305	31.0	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	106.7 PK			1.81 H	345	103.0	3.7
2	*5200.00	96.1 AV			1.81 H	345	92.4	3.7
3	#10400.00	48.4 PK	74.0	-25.6	1.96 H	15	35.4	13.0
4	#10400.00	35.9 AV	54.0	-18.1	1.96 H	15	22.9	13.0
5	15600.00	57.4 PK	74.0	-16.6	2.33 H	333	44.1	13.3
6	15600.00	45.7 AV	54.0	-8.3	2.33 H	333	32.4	13.3
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	*5200.00	106.9 PK			1.38 V	360	103.2	3.7
2	*5200.00	96.6 AV			1.38 V	360	92.9	3.7
3	#10400.00	47.1 PK	74.0	-26.9	1.50 V	118	34.1	13.0
4	#10400.00	35.0 AV	54.0	-19.0	1.50 V	118	22.0	13.0
5	15600.00	56.4 PK	74.0	-17.6	3.09 V	302	43.1	13.3
6	15600.00	44.2 AV	54.0	-9.8	3.09 V	302	30.9	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	107.2 PK			2.25 H	14	103.4	3.8
2	*5240.00	96.5 AV			2.25 H	14	92.7	3.8
3	5350.00	49.1 PK	74.0	-24.9	2.25 H	14	45.0	4.1
4	5350.00	37.9 AV	54.0	-16.1	2.25 H	14	33.8	4.1
5	#10480.00	48.2 PK	74.0	-25.8	1.89 H	1	35.0	13.2
6	#10480.00	35.8 AV	54.0	-18.2	1.89 H	1	22.6	13.2
7	15720.00	56.6 PK	74.0	-17.4	2.25 H	331	43.0	13.6
8	15720.00	44.2 AV	54.0	-9.8	2.25 H	331	30.6	13.6
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	*5240.00	107.5 PK			1.44 V	349	103.7	3.8
2	*5240.00	97.4 AV			1.44 V	349	93.6	3.8
3	5350.00	50.1 PK	74.0	-23.9	1.44 V	349	46.0	4.1
4	5350.00	38.4 AV	54.0	-15.6	1.44 V	349	34.3	4.1
5	#10480.00	45.8 PK	74.0	-28.2	1.51 V	118	32.6	13.2
6	#10480.00	33.7 AV	54.0	-20.3	1.51 V	118	20.5	13.2
7	15720.00	55.3 PK	74.0	-18.7	3.04 V	299	41.7	13.6
8	15720.00	43.1 AV	54.0	-10.9	3.04 V	299	29.5	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5646.34	55.4 PK	68.2	-12.8	1.30 H	165	51.0	4.4
2	*5745.00	110.9 PK			1.30 H	165	106.5	4.4
3	*5745.00	101.1 AV			1.30 H	165	96.7	4.4
4	#5961.39	56.1 PK	68.2	-12.1	1.30 H	165	51.4	4.7
5	11490.00	59.3 PK	74.0	-14.7	1.90 H	62	45.8	13.5
6	11490.00	46.5 AV	54.0	-7.5	1.90 H	62	33.0	13.5
7	#17235.00	56.4 PK	74.0	-17.6	2.38 H	360	39.1	17.3
8	#17235.00	45.4 AV	54.0	-8.6	2.38 H	360	28.1	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5587.48	59.3 PK	68.2	-8.9	1.16 V	322	55.1	4.2
2	*5745.00	122.0 PK			1.16 V	322	117.6	4.4
3	*5745.00	111.3 AV			1.16 V	322	106.9	4.4
4	#5977.31	60.1 PK	68.2	-8.1	1.16 V	322	55.4	4.7
5	11490.00	58.5 PK	74.0	-15.5	1.52 V	144	45.0	13.5
6	11490.00	44.9 AV	54.0	-9.1	1.52 V	144	31.4	13.5
7	#17235.00	54.5 PK	74.0	-19.5	3.09 V	303	37.2	17.3
8	#17235.00	42.4 AV	54.0	-11.6	3.09 V	303	25.1	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 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5641.08	55.4 PK	68.2	-12.8	1.35 H	152	51.0	4.4
2	*5785.00	108.8 PK			1.35 H	152	104.4	4.4
3	*5785.00	99.2 AV			1.35 H	152	94.8	4.4
4	#5970.65	55.2 PK	68.2	-13.0	1.35 H	152	50.5	4.7
5	11570.00	59.1 PK	74.0	-14.9	1.86 H	15	45.6	13.5
6	11570.00	46.1 AV	54.0	-7.9	1.86 H	15	32.6	13.5
7	#17355.00	56.4 PK	74.0	-17.6	2.51 H	360	38.4	18.0
8	#17355.00	45.2 AV	54.0	-8.8	2.51 H	360	27.2	18.0
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	#5627.46	58.4 PK	68.2	-9.8	1.35 V	322	54.0	4.4
2	*5785.00	121.1 PK			1.35 V	322	116.7	4.4
3	*5785.00	111.1 AV			1.35 V	322	106.7	4.4
4	#5954.12	57.7 PK	68.2	-10.5	1.35 V	322	53.0	4.7
5	11570.00	57.4 PK	74.0	-16.6	1.52 V	114	43.9	13.5
6	11570.00	44.3 AV	54.0	-9.7	1.52 V	114	30.8	13.5
7	#17355.00	55.3 PK	74.0	-18.7	3.08 V	306	37.3	18.0
8	#17355.00	43.0 AV	54.0	-11.0	3.08 V	306	25.0	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5586.04	56.9 PK	68.2	-11.3	1.33 H	152	52.7	4.2
2	*5825.00	109.7 PK			1.33 H	152	105.3	4.4
3	*5825.00	99.3 AV			1.33 H	152	94.9	4.4
4	#5991.81	55.4 PK	68.2	-12.8	1.33 H	152	50.7	4.7
5	11650.00	58.8 PK	74.0	-15.2	1.87 H	32	45.1	13.7
6	11650.00	46.1 AV	54.0	-7.9	1.87 H	32	32.4	13.7
7	#17475.00	55.9 PK	74.0	-18.1	2.49 H	347	37.3	18.6
8	#17475.00	45.2 AV	54.0	-8.8	2.49 H	347	26.6	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5574.19	60.1 PK	68.2	-8.1	1.33 V	320	55.9	4.2
2	*5825.00	120.6 PK			1.33 V	320	116.2	4.4
3	*5825.00	110.7 AV			1.33 V	320	106.3	4.4
4	#5950.19	57.0 PK	68.2	-11.2	1.33 V	320	52.3	4.7
5	11650.00	58.7 PK	74.0	-15.3	1.52 V	141	45.0	13.7
6	11650.00	45.1 AV	54.0	-8.9	1.52 V	141	31.4	13.7
7	#17475.00	54.3 PK	74.0	-19.7	3.15 V	313	35.7	18.6
8	#17475.00	42.3 AV	54.0	-11.7	3.15 V	313	23.7	18.6

REMARKS:

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

802.11ac (VHT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	47.4 PK	74.0	-26.6	2.02 H	360	43.7	3.7
2	5150.00	36.3 AV	54.0	-17.7	2.02 H	360	32.6	3.7
3	*5180.00	98.5 PK			2.02 H	360	94.8	3.7
4	*5180.00	87.8 AV			2.02 H	360	84.1	3.7
5	#10360.00	48.6 PK	74.0	-25.4	1.96 H	16	35.6	13.0
6	#10360.00	35.9 AV	54.0	-18.1	1.96 H	16	22.9	13.0
7	15540.00	57.6 PK	74.0	-16.4	2.34 H	340	44.5	13.1
8	15540.00	45.7 AV	54.0	-8.3	2.34 H	340	32.6	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	48.1 PK	74.0	-25.9	1.26 V	360	44.4	3.7
2	5150.00	36.4 AV	54.0	-17.6	1.26 V	360	32.7	3.7
3	*5180.00	98.7 PK			1.26 V	360	95.0	3.7
4	*5180.00	88.4 AV			1.26 V	360	84.7	3.7
5	#10360.00	47.6 PK	74.0	-26.4	1.57 V	116	34.6	13.0
6	#10360.00	35.2 AV	54.0	-18.8	1.57 V	116	22.2	13.0
7	15540.00	56.9 PK	74.0	-17.1	3.06 V	298	43.8	13.1
8	15540.00	44.5 AV	54.0	-9.5	3.06 V	298	31.4	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	97.0 PK			2.03 H	359	93.3	3.7
2	*5200.00	86.8 AV			2.03 H	359	83.1	3.7
3	#10400.00	49.0 PK	74.0	-25.0	1.96 H	11	36.0	13.0
4	#10400.00	35.8 AV	54.0	-18.2	1.96 H	11	22.8	13.0
5	15600.00	57.8 PK	74.0	-16.2	2.25 H	319	44.5	13.3
6	15600.00	46.0 AV	54.0	-8.0	2.25 H	319	32.7	13.3
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	*5200.00	97.4 PK			1.33 V	355	93.7	3.7
2	*5200.00	87.1 AV			1.33 V	355	83.4	3.7
3	#10400.00	48.0 PK	74.0	-26.0	1.54 V	152	35.0	13.0
4	#10400.00	35.8 AV	54.0	-18.2	1.54 V	152	22.8	13.0
5	15600.00	56.6 PK	74.0	-17.4	3.07 V	310	43.3	13.3
6	15600.00	44.1 AV	54.0	-9.9	3.07 V	310	30.8	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	99.7 PK			1.97 H	360	95.9	3.8
2	*5240.00	88.8 AV			1.97 H	360	85.0	3.8
3	5350.00	48.0 PK	74.0	-26.0	1.97 H	360	43.9	4.1
4	5350.00	35.9 AV	54.0	-18.1	1.97 H	360	31.8	4.1
5	#10480.00	49.1 PK	74.0	-24.9	1.95 H	17	35.9	13.2
6	#10480.00	36.6 AV	54.0	-17.4	1.95 H	17	23.4	13.2
7	15720.00	57.5 PK	74.0	-16.5	2.23 H	320	43.9	13.6
8	15720.00	45.7 AV	54.0	-8.3	2.23 H	320	32.1	13.6
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	*5240.00	100.4 PK			1.26 V	342	96.6	3.8
2	*5240.00	89.5 AV			1.26 V	342	85.7	3.8
3	5350.00	49.3 PK	74.0	-24.7	1.26 V	342	45.2	4.1
4	5350.00	37.0 AV	54.0	-17.0	1.26 V	342	32.9	4.1
5	#10480.00	47.3 PK	74.0	-26.7	1.59 V	134	34.1	13.2
6	#10480.00	35.7 AV	54.0	-18.3	1.59 V	134	22.5	13.2
7	15720.00	57.4 PK	74.0	-16.6	3.19 V	313	43.8	13.6
8	15720.00	44.9 AV	54.0	-9.1	3.19 V	313	31.3	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5613.26	56.4 PK	68.2	-11.8	1.30 H	146	52.0	4.4
2	*5745.00	105.6 PK			1.30 H	146	101.2	4.4
3	*5745.00	95.7 AV			1.30 H	146	91.3	4.4
4	#6000.49	56.6 PK	68.2	-11.6	1.30 H	146	51.8	4.8
5	11490.00	58.4 PK	74.0	-15.6	1.87 H	28	44.9	13.5
6	11490.00	45.6 AV	54.0	-8.4	1.87 H	28	32.1	13.5
7	#17235.00	56.9 PK	74.0	-17.1	2.52 H	356	39.6	17.3
8	#17235.00	45.7 AV	54.0	-8.3	2.52 H	356	28.4	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5591.34	58.3 PK	68.2	-9.9	1.34 V	319	54.0	4.3
2	*5745.00	117.1 PK			1.34 V	319	112.7	4.4
3	*5745.00	107.0 AV			1.34 V	319	102.6	4.4
4	#5976.19	58.2 PK	68.2	-10.0	1.34 V	319	53.5	4.7
5	11490.00	57.8 PK	74.0	-16.2	1.48 V	121	44.3	13.5
6	11490.00	44.8 AV	54.0	-9.2	1.48 V	121	31.3	13.5
7	#17235.00	55.2 PK	74.0	-18.8	3.08 V	323	37.9	17.3
8	#17235.00	43.3 AV	54.0	-10.7	3.08 V	323	26.0	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 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5618.36	55.1 PK	68.2	-13.1	1.37 H	147	50.7	4.4
2	*5785.00	104.9 PK			1.37 H	147	100.5	4.4
3	*5785.00	95.2 AV			1.37 H	147	90.8	4.4
4	#5983.71	55.5 PK	68.2	-12.7	1.37 H	147	50.8	4.7
5	11570.00	59.1 PK	74.0	-14.9	1.83 H	65	45.6	13.5
6	11570.00	46.7 AV	54.0	-7.3	1.83 H	65	33.2	13.5
7	#17355.00	56.2 PK	74.0	-17.8	2.52 H	349	38.2	18.0
8	#17355.00	44.8 AV	54.0	-9.2	2.52 H	349	26.8	18.0
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	#5628.84	57.0 PK	68.2	-11.2	1.34 V	321	52.6	4.4
2	*5785.00	116.2 PK			1.34 V	321	111.8	4.4
3	*5785.00	106.5 AV			1.34 V	321	102.1	4.4
4	#5977.89	57.3 PK	68.2	-10.9	1.34 V	321	52.6	4.7
5	11570.00	58.0 PK	74.0	-16.0	1.48 V	115	44.5	13.5
6	11570.00	44.7 AV	54.0	-9.3	1.48 V	115	31.2	13.5
7	#17355.00	55.3 PK	74.0	-18.7	3.10 V	302	37.3	18.0
8	#17355.00	43.1 AV	54.0	-10.9	3.10 V	302	25.1	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5632.59	54.9 PK	68.2	-13.3	1.33 H	154	50.5	4.4
2	*5825.00	105.2 PK			1.33 H	154	100.8	4.4
3	*5825.00	95.0 AV			1.33 H	154	90.6	4.4
4	#5953.00	55.0 PK	68.2	-13.2	1.33 H	154	50.3	4.7
5	11650.00	59.3 PK	74.0	-14.7	1.94 H	42	45.6	13.7
6	11650.00	46.2 AV	54.0	-7.8	1.94 H	42	32.5	13.7
7	#17475.00	56.7 PK	74.0	-17.3	2.48 H	360	38.1	18.6
8	#17475.00	45.4 AV	54.0	-8.6	2.48 H	360	26.8	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5588.55	57.0 PK	68.2	-11.2	1.33 V	319	52.8	4.2
2	*5825.00	115.8 PK			1.33 V	319	111.4	4.4
3	*5825.00	106.0 AV			1.33 V	319	101.6	4.4
4	#5986.50	56.2 PK	68.2	-12.0	1.33 V	319	51.5	4.7
5	11650.00	57.8 PK	74.0	-16.2	1.54 V	129	44.1	13.7
6	11650.00	44.2 AV	54.0	-9.8	1.54 V	129	30.5	13.7
7	#17475.00	54.8 PK	74.0	-19.2	3.12 V	325	36.2	18.6
8	#17475.00	42.9 AV	54.0	-11.1	3.12 V	325	24.3	18.6

REMARKS:

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

802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	46.2 PK	74.0	-27.8	1.51 H	355	42.5	3.7
2	5150.00	36.6 AV	54.0	-17.4	1.51 H	355	32.9	3.7
3	*5190.00	96.4 PK			1.51 H	355	92.7	3.7
4	*5190.00	85.7 AV			1.51 H	355	82.0	3.7
5	5350.00	48.5 PK	74.0	-25.5	1.51 H	355	44.4	4.1
6	5350.00	37.0 AV	54.0	-17.0	1.51 H	355	32.9	4.1
7	#10380.00	49.5 PK	74.0	-24.5	1.92 H	31	36.4	13.1
8	#10380.00	36.4 AV	54.0	-17.6	1.92 H	31	23.3	13.1
9	15570.00	56.5 PK	74.0	-17.5	2.31 H	324	43.2	13.3
10	15570.00	44.9 AV	54.0	-9.1	2.31 H	324	31.6	13.3
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	5150.00	46.8 PK	74.0	-27.2	1.28 V	355	43.1	3.7
2	5150.00	37.0 AV	54.0	-17.0	1.28 V	355	33.3	3.7
3	*5190.00	96.7 PK			1.28 V	355	93.0	3.7
4	*5190.00	86.1 AV			1.28 V	355	82.4	3.7
5	5350.00	48.8 PK	74.0	-25.2	1.28 V	355	44.7	4.1
6	5350.00	37.1 AV	54.0	-16.9	1.28 V	355	33.0	4.1
7	#10380.00	46.5 PK	74.0	-27.5	1.65 V	151	33.4	13.1
8	#10380.00	34.5 AV	54.0	-19.5	1.65 V	151	21.4	13.1
9	15570.00	56.0 PK	74.0	-18.0	3.08 V	291	42.7	13.3
10	15570.00	44.0 AV	54.0	-10.0	3.08 V	291	30.7	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	96.4 PK			1.57 H	349	92.6	3.8
2	*5230.00	86.3 AV			1.57 H	349	82.5	3.8
3	5350.00	47.6 PK	74.0	-26.4	1.57 H	349	43.5	4.1
4	5350.00	37.0 AV	54.0	-17.0	1.57 H	349	32.9	4.1
5	#10460.00	48.1 PK	74.0	-25.9	1.99 H	13	35.0	13.1
6	#10460.00	35.5 AV	54.0	-18.5	1.99 H	13	22.4	13.1
7	15690.00	57.1 PK	74.0	-16.9	2.21 H	324	43.3	13.8
8	15690.00	45.2 AV	54.0	-8.8	2.21 H	324	31.4	13.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	97.6 PK			1.45 V	355	93.8	3.8
2	*5230.00	87.8 AV			1.45 V	355	84.0	3.8
3	5350.00	49.0 PK	74.0	-25.0	1.45 V	355	44.9	4.1
4	5350.00	37.7 AV	54.0	-16.3	1.45 V	355	33.6	4.1
5	#10460.00	46.8 PK	74.0	-27.2	1.60 V	138	33.7	13.1
6	#10460.00	34.8 AV	54.0	-19.2	1.60 V	138	21.7	13.1
7	15690.00	56.1 PK	74.0	-17.9	3.18 V	291	42.3	13.8
8	15690.00	44.0 AV	54.0	-10.0	3.18 V	291	30.2	13.8

REMARKS:

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

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5597.04	56.3 PK	68.2	-11.9	1.34 H	156	51.9	4.4
2	*5755.00	102.2 PK			1.34 H	156	97.8	4.4
3	*5755.00	93.7 AV			1.34 H	156	89.3	4.4
4	#6021.35	55.4 PK	68.2	-12.8	1.34 H	156	50.5	4.9
5	11510.00	59.3 PK	74.0	-14.7	1.88 H	52	45.7	13.6
6	11510.00	46.4 AV	54.0	-7.6	1.88 H	52	32.8	13.6
7	#17265.00	56.6 PK	74.0	-17.4	2.43 H	358	39.0	17.6
8	#17265.00	45.7 AV	54.0	-8.3	2.43 H	358	28.1	17.6
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	#5604.90	59.5 PK	68.2	-8.7	1.30 V	321	55.1	4.4
2	*5755.00	113.4 PK			1.30 V	321	109.0	4.4
3	*5755.00	103.1 AV			1.30 V	321	98.7	4.4
4	#5978.30	56.8 PK	68.2	-11.4	1.30 V	321	52.1	4.7
5	11510.00	57.7 PK	74.0	-16.3	1.55 V	126	44.1	13.6
6	11510.00	44.2 AV	54.0	-9.8	1.55 V	126	30.6	13.6
7	#17265.00	54.9 PK	74.0	-19.1	3.12 V	319	37.3	17.6
8	#17265.00	43.1 AV	54.0	-10.9	3.12 V	319	25.5	17.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5597.73	56.1 PK	68.2	-12.1	1.42 H	151	51.7	4.4
2	*5795.00	101.8 PK			1.42 H	151	97.4	4.4
3	*5795.00	92.9 AV			1.42 H	151	88.5	4.4
4	#6007.47	55.4 PK	68.2	-12.8	1.42 H	151	50.6	4.8
5	11590.00	58.8 PK	74.0	-15.2	1.85 H	26	45.3	13.5
6	11590.00	46.4 AV	54.0	-7.6	1.85 H	26	32.9	13.5
7	#17385.00	56.8 PK	74.0	-17.2	2.42 H	350	38.5	18.3
8	#17385.00	45.8 AV	54.0	-8.2	2.42 H	350	27.5	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5640.15	59.7 PK	68.2	-8.5	1.22 V	321	55.3	4.4
2	*5795.00	112.9 PK			1.22 V	321	108.5	4.4
3	*5795.00	104.2 AV			1.22 V	321	99.8	4.4
4	#5945.18	57.1 PK	68.2	-11.1	1.22 V	321	52.4	4.7
5	11590.00	58.2 PK	74.0	-15.8	1.50 V	138	44.7	13.5
6	11590.00	44.8 AV	54.0	-9.2	1.50 V	138	31.3	13.5
7	#17385.00	54.9 PK	74.0	-19.1	3.09 V	312	36.6	18.3
8	#17385.00	42.8 AV	54.0	-11.2	3.09 V	312	24.5	18.3

REMARKS:

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

802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	46.6 PK	74.0	-27.4	1.45 H	345	42.9	3.7
2	5150.00	37.8 AV	54.0	-16.2	1.45 H	345	34.1	3.7
3	*5210.00	92.2 PK			1.72 H	348	88.5	3.7
4	*5210.00	82.2 AV			1.72 H	348	78.5	3.7
5	5350.00	49.1 PK	74.0	-24.9	1.45 H	345	45.0	4.1
6	5350.00	37.6 AV	54.0	-16.4	1.45 H	345	33.5	4.1
7	#10420.00	48.6 PK	74.0	-25.4	1.93 H	13	35.5	13.1
8	#10420.00	36.1 AV	54.0	-17.9	1.93 H	13	23.0	13.1
9	15630.00	57.3 PK	74.0	-16.7	2.27 H	327	43.7	13.6
10	15630.00	45.1 AV	54.0	-8.9	2.27 H	327	31.5	13.6
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	5150.00	47.7 PK	74.0	-26.3	1.45 V	345	44.0	3.7
2	5150.00	38.5 AV	54.0	-15.5	1.45 V	345	34.8	3.7
3	*5210.00	93.5 PK			1.45 V	345	89.8	3.7
4	*5210.00	83.5 AV			1.45 V	345	79.8	3.7
5	5350.00	49.5 PK	74.0	-24.5	1.45 V	345	45.4	4.1
6	5350.00	37.8 AV	54.0	-16.2	1.45 V	345	33.7	4.1
7	#10420.00	47.4 PK	74.0	-26.6	1.55 V	128	34.3	13.1
8	#10420.00	35.4 AV	54.0	-18.6	1.55 V	128	22.3	13.1
9	15630.00	55.9 PK	74.0	-18.1	3.04 V	314	42.3	13.6
10	15630.00	44.0 AV	54.0	-10.0	3.04 V	314	30.4	13.6

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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5648.34	56.6 PK	68.2	-11.6	1.46 H	150	52.2	4.4
2	*5775.00	98.5 PK			1.46 H	150	94.1	4.4
3	*5775.00	90.2 AV			1.46 H	150	85.8	4.4
4	#6011.91	55.9 PK	68.2	-12.3	1.46 H	150	51.1	4.8
5	11550.00	58.8 PK	74.0	-15.2	1.91 H	41	45.3	13.5
6	11550.00	46.3 AV	54.0	-7.7	1.91 H	41	32.8	13.5
7	#17325.00	55.7 PK	74.0	-18.3	2.45 H	343	37.9	17.8
8	#17325.00	44.9 AV	54.0	-9.1	2.45 H	343	27.1	17.8
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	#5646.07	61.5 PK	68.2	-6.7	1.21 V	319	57.1	4.4
2	*5775.00	110.2 PK			1.21 V	319	105.8	4.4
3	*5775.00	101.9 AV			1.21 V	319	97.5	4.4
4	#5929.77	60.5 PK	68.2	-7.7	1.21 V	319	55.8	4.7
5	11550.00	57.5 PK	74.0	-16.5	1.52 V	145	44.0	13.5
6	11550.00	44.4 AV	54.0	-9.6	1.52 V	145	30.9	13.5
7	#17325.00	54.6 PK	74.0	-19.4	3.07 V	322	36.8	17.8
8	#17325.00	42.6 AV	54.0	-11.4	3.07 V	322	24.8	17.8

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.

Below 1GHz Data:

802.11a

CHANNEL	TX Channel 149	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	108.06	33.7 QP	43.5	-9.8	1.50 H	314	44.9	-11.2
2	140.05	32.3 QP	43.5	-11.2	1.50 H	289	40.9	-8.6
3	358.71	34.5 QP	46.0	-11.5	1.00 H	37	40.8	-6.3
4	388.71	37.8 QP	46.0	-8.2	2.00 H	356	43.5	-5.7
5	409.42	35.8 QP	46.0	-10.2	2.00 H	327	40.9	-5.1
6	437.52	35.2 QP	46.0	-10.8	2.00 H	314	39.1	-3.9
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	45.23	35.9 QP	40.0	-4.1	1.00 V	314	44.2	-8.3
2	112.89	32.8 QP	43.5	-10.7	1.00 V	360	43.6	-10.8
3	350.71	39.7 QP	46.0	-6.3	1.00 V	0	46.2	-6.5
4	412.57	37.7 QP	46.0	-8.3	1.50 V	360	42.7	-5.0
5	445.26	36.1 QP	46.0	-9.9	1.00 V	0	39.9	-3.8
6	484.69	37.8 QP	46.0	-8.2	1.00 V	15	41.2	-3.4

REMARKS:

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

4.1.8 Test Results (Mode 2)

Sector Antenna

Above 1GHz Data:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	51.5 PK	74.0	-22.5	1.49 H	336	47.8	3.7
2	5150.00	40.5 AV	54.0	-13.5	1.49 H	336	36.8	3.7
3	*5180.00	106.6 PK			1.49 H	336	102.9	3.7
4	*5180.00	96.8 AV			1.49 H	336	93.1	3.7
5	#10360.00	46.4 PK	74.0	-27.6	2.41 H	10	33.4	13.0
6	#10360.00	36.6 AV	54.0	-17.4	2.41 H	10	23.6	13.0
7	15540.00	53.2 PK	74.0	-20.8	3.92 H	296	40.1	13.1
8	15540.00	42.8 AV	54.0	-11.2	3.92 H	296	29.7	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	50.9 PK	74.0	-23.1	1.81 V	316	47.2	3.7
2	5150.00	40.2 AV	54.0	-13.8	1.81 V	316	36.5	3.7
3	*5180.00	106.9 PK			1.81 V	316	103.2	3.7
4	*5180.00	96.8 AV			1.81 V	316	93.1	3.7
5	#10360.00	49.7 PK	74.0	-24.3	1.50 V	339	36.7	13.0
6	#10360.00	39.5 AV	54.0	-14.5	1.50 V	339	26.5	13.0
7	15540.00	55.6 PK	74.0	-18.4	2.49 V	337	42.5	13.1
8	15540.00	45.1 AV	54.0	-8.9	2.49 V	337	32.0	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	106.4 PK			1.34 H	360	102.7	3.7
2	*5200.00	96.2 AV			1.34 H	360	92.5	3.7
3	#10400.00	46.7 PK	74.0	-27.3	2.42 H	12	33.7	13.0
4	#10400.00	37.0 AV	54.0	-17.0	2.42 H	12	24.0	13.0
5	15600.00	53.9 PK	74.0	-20.1	3.94 H	313	40.6	13.3
6	15600.00	43.2 AV	54.0	-10.8	3.94 H	313	29.9	13.3
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	*5200.00	107.4 PK			1.76 V	329	103.7	3.7
2	*5200.00	96.6 AV			1.76 V	329	92.9	3.7
3	#10400.00	48.8 PK	74.0	-25.2	1.49 V	344	35.8	13.0
4	#10400.00	38.9 AV	54.0	-15.1	1.49 V	344	25.9	13.0
5	15600.00	55.6 PK	74.0	-18.4	2.43 V	319	42.3	13.3
6	15600.00	44.8 AV	54.0	-9.2	2.43 V	319	31.5	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	107.9 PK			1.46 H	360	104.1	3.8
2	*5240.00	97.8 AV			1.46 H	360	94.0	3.8
3	5350.00	50.5 PK	74.0	-23.5	1.46 H	360	46.4	4.1
4	5350.00	38.8 AV	54.0	-15.2	1.46 H	360	34.7	4.1
5	#10480.00	46.3 PK	74.0	-27.7	2.42 H	15	33.1	13.2
6	#10480.00	36.6 AV	54.0	-17.4	2.42 H	15	23.4	13.2
7	15720.00	53.8 PK	74.0	-20.2	3.89 H	310	40.2	13.6
8	15720.00	42.8 AV	54.0	-11.2	3.89 H	310	29.2	13.6
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	*5240.00	106.8 PK			2.20 V	28	103.0	3.8
2	*5240.00	96.3 AV			2.20 V	28	92.5	3.8
3	5350.00	49.5 PK	74.0	-24.5	2.20 V	28	45.4	4.1
4	5350.00	38.1 AV	54.0	-15.9	2.20 V	28	34.0	4.1
5	#10480.00	48.9 PK	74.0	-25.1	1.47 V	360	35.7	13.2
6	#10480.00	39.0 AV	54.0	-15.0	1.47 V	360	25.8	13.2
7	15720.00	56.1 PK	74.0	-17.9	2.43 V	331	42.5	13.6
8	**15720.00**	**45.3 AV**	**54.0**	**-8.7**	**2.43 V**	**331**	**31.7**	**13.6**

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5639.55	58.0 PK	68.2	-10.2	1.96 H	346	53.6	4.4
2	*5745.00	119.2 PK			1.96 H	346	114.8	4.4
3	*5745.00	109.2 AV			1.96 H	346	104.8	4.4
4	#5991.60	58.8 PK	68.2	-9.4	1.96 H	346	54.1	4.7
5	11490.00	57.6 PK	74.0	-16.4	1.52 H	130	44.1	13.5
6	11490.00	44.3 AV	54.0	-9.7	1.52 H	130	30.8	13.5
7	#17235.00	54.2 PK	74.0	-19.8	3.04 H	298	36.9	17.3
8	#17235.00	42.0 AV	54.0	-12.0	3.04 H	298	24.7	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5645.12	59.8 PK	68.2	-8.4	1.23 V	360	55.4	4.4
2	*5745.00	121.6 PK			1.23 V	360	117.2	4.4
3	*5745.00	111.9 AV			1.23 V	360	107.5	4.4
4	#5988.64	58.7 PK	68.2	-9.5	1.23 V	360	54.0	4.7
5	11490.00	60.4 PK	74.0	-13.6	1.82 V	21	46.9	13.5
6	11490.00	47.0 AV	54.0	-7.0	1.82 V	21	33.5	13.5
7	#17235.00	55.7 PK	74.0	-18.3	2.41 V	340	38.4	17.3
8	#17235.00	44.8 AV	54.0	-9.2	2.41 V	340	27.5	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 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5627.23	59.6 PK	68.2	-8.6	1.96 H	344	55.2	4.4
2	*5785.00	119.8 PK			1.96 H	344	115.4	4.4
3	*5785.00	110.5 AV			1.96 H	344	106.1	4.4
4	#6018.90	58.9 PK	68.2	-9.3	1.96 H	344	54.1	4.8
5	11570.00	58.1 PK	74.0	-15.9	1.42 H	139	44.6	13.5
6	11570.00	44.8 AV	54.0	-9.2	1.42 H	139	31.3	13.5
7	#17355.00	54.1 PK	74.0	-19.9	3.08 H	301	36.1	18.0
8	#17355.00	42.0 AV	54.0	-12.0	3.08 H	301	24.0	18.0
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	#5625.43	59.3 PK	68.2	-8.9	1.17 V	360	54.9	4.4
2	*5785.00	121.3 PK			1.17 V	360	116.9	4.4
3	*5785.00	111.6 AV			1.17 V	360	107.2	4.4
4	#5947.78	58.5 PK	68.2	-9.7	1.17 V	360	53.8	4.7
5	11570.00	59.9 PK	74.0	-14.1	1.77 V	17	46.4	13.5
6	11570.00	46.6 AV	54.0	-7.4	1.77 V	17	33.1	13.5
7	#17355.00	56.0 PK	74.0	-18.0	2.43 V	337	38.0	18.0
8	#17355.00	44.9 AV	54.0	-9.1	2.43 V	337	26.9	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5574.39	58.8 PK	68.2	-9.4	2.00 H	342	54.6	4.2
2	*5825.00	120.2 PK			2.00 H	342	115.8	4.4
3	*5825.00	110.8 AV			2.00 H	342	106.4	4.4
4	#6013.51	57.6 PK	68.2	-10.6	2.00 H	342	52.8	4.8
5	11650.00	58.1 PK	74.0	-15.9	1.48 H	119	44.4	13.7
6	11650.00	45.0 AV	54.0	-9.0	1.48 H	119	31.3	13.7
7	#17475.00	54.3 PK	74.0	-19.7	3.09 H	319	35.7	18.6
8	#17475.00	42.4 AV	54.0	-11.6	3.09 H	319	23.8	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5578.99	59.7 PK	68.2	-8.5	1.12 V	360	55.5	4.2
2	*5825.00	121.6 PK			1.12 V	360	117.2	4.4
3	*5825.00	111.3 AV			1.12 V	360	106.9	4.4
4	#5986.81	58.5 PK	68.2	-9.7	1.12 V	360	53.8	4.7
5	11650.00	60.2 PK	74.0	-13.8	1.78 V	30	46.5	13.7
6	11650.00	47.2 AV	54.0	-6.8	1.78 V	30	33.5	13.7
7	#17475.00	55.9 PK	74.0	-18.1	2.49 V	341	37.3	18.6
8	#17475.00	45.0 AV	54.0	-9.0	2.49 V	341	26.4	18.6

REMARKS:

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

802.11ac (VHT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	48.3 PK	74.0	-25.7	1.28 H	359	44.6	3.7
2	5150.00	36.8 AV	54.0	-17.2	1.28 H	359	33.1	3.7
3	*5180.00	98.2 PK			1.28 H	359	94.5	3.7
4	*5180.00	87.9 AV			1.28 H	359	84.2	3.7
5	#10360.00	46.2 PK	74.0	-27.8	2.36 H	3	33.2	13.0
6	#10360.00	36.4 AV	54.0	-17.6	2.36 H	3	23.4	13.0
7	15540.00	54.0 PK	74.0	-20.0	3.88 H	275	40.9	13.1
8	15540.00	43.3 AV	54.0	-10.7	3.88 H	275	30.2	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	47.9 PK	74.0	-26.1	2.06 V	356	44.2	3.7
2	5150.00	36.6 AV	54.0	-17.4	2.06 V	356	32.9	3.7
3	*5180.00	98.8 PK			2.06 V	356	95.1	3.7
4	*5180.00	87.8 AV			2.06 V	356	84.1	3.7
5	#10360.00	49.1 PK	74.0	-24.9	1.51 V	336	36.1	13.0
6	#10360.00	39.2 AV	54.0	-14.8	1.51 V	336	26.2	13.0
7	15540.00	55.7 PK	74.0	-18.3	2.37 V	327	42.6	13.1
8	15540.00	45.1 AV	54.0	-8.9	2.37 V	327	32.0	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	97.4 PK			1.34 H	360	93.7	3.7
2	*5200.00	87.2 AV			1.34 H	360	83.5	3.7
3	#10400.00	46.2 PK	74.0	-27.8	2.41 H	0	33.2	13.0
4	#10400.00	36.4 AV	54.0	-17.6	2.41 H	0	23.4	13.0
5	15600.00	55.0 PK	74.0	-19.0	3.95 H	291	41.7	13.3
6	15600.00	44.0 AV	54.0	-10.0	3.95 H	291	30.7	13.3
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	*5200.00	96.5 PK			2.00 V	356	92.8	3.7
2	*5200.00	86.4 AV			2.00 V	356	82.7	3.7
3	#10400.00	49.1 PK	74.0	-24.9	1.56 V	349	36.1	13.0
4	#10400.00	39.2 AV	54.0	-14.8	1.56 V	349	26.2	13.0
5	15600.00	55.7 PK	74.0	-18.3	2.43 V	346	42.4	13.3
6	15600.00	45.0 AV	54.0	-9.0	2.43 V	346	31.7	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	100.4 PK			1.24 H	343	96.6	3.8
2	*5240.00	89.5 AV			1.24 H	343	85.7	3.8
3	5350.00	49.9 PK	74.0	-24.1	1.24 H	343	45.8	4.1
4	5350.00	37.4 AV	54.0	-16.6	1.24 H	343	33.3	4.1
5	#10480.00	46.6 PK	74.0	-27.4	2.36 H	23	33.4	13.2
6	#10480.00	36.9 AV	54.0	-17.1	2.36 H	23	23.7	13.2
7	15720.00	54.5 PK	74.0	-19.5	3.96 H	295	40.9	13.6
8	15720.00	43.9 AV	54.0	-10.1	3.96 H	295	30.3	13.6
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	*5240.00	99.1 PK			2.01 V	360	95.3	3.8
2	*5240.00	88.5 AV			2.01 V	360	84.7	3.8
3	5350.00	47.9 PK	74.0	-26.1	2.01 V	360	43.8	4.1
4	5350.00	36.0 AV	54.0	-18.0	2.01 V	360	31.9	4.1
5	#10480.00	49.7 PK	74.0	-24.3	1.53 V	331	36.5	13.2
6	#10480.00	39.6 AV	54.0	-14.4	1.53 V	331	26.4	13.2
7	15720.00	55.6 PK	74.0	-18.4	2.38 V	328	42.0	13.6
8	15720.00	45.1 AV	54.0	-8.9	2.38 V	328	31.5	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5642.73	57.7 PK	68.2	-10.5	1.59 H	341	53.3	4.4
2	*5745.00	118.6 PK			1.59 H	341	114.2	4.4
3	*5745.00	108.2 AV			1.59 H	341	103.8	4.4
4	#5992.24	59.5 PK	68.2	-8.7	1.59 H	341	54.8	4.7
5	11490.00	55.5 PK	74.0	-18.5	1.54 H	118	42.0	13.5
6	11490.00	43.3 AV	54.0	-10.7	1.54 H	118	29.8	13.5
7	#17235.00	52.7 PK	74.0	-21.3	3.20 H	308	35.4	17.3
8	#17235.00	41.0 AV	54.0	-13.0	3.20 H	308	23.7	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5585.35	56.8 PK	68.2	-11.4	1.25 V	348	52.6	4.2
2	*5745.00	116.6 PK			1.25 V	348	112.2	4.4
3	*5745.00	106.6 AV			1.25 V	348	102.2	4.4
4	#5991.94	58.3 PK	68.2	-9.9	1.25 V	348	53.6	4.7
5	11490.00	59.5 PK	74.0	-14.5	1.80 V	7	46.0	13.5
6	11490.00	46.3 AV	54.0	-7.7	1.80 V	7	32.8	13.5
7	#17235.00	55.6 PK	74.0	-18.4	2.44 V	360	38.3	17.3
8	#17235.00	45.1 AV	54.0	-8.9	2.44 V	360	27.8	17.3

REMARKS:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5618.44	57.2 PK	68.2	-11.0	1.60 H	341	52.8	4.4
2	*5785.00	117.1 PK			1.60 H	341	112.7	4.4
3	*5785.00	107.7 AV			1.60 H	341	103.3	4.4
4	#6018.42	57.6 PK	68.2	-10.6	1.60 H	341	52.8	4.8
5	11570.00	56.0 PK	74.0	-18.0	1.58 H	114	42.5	13.5
6	11570.00	43.8 AV	54.0	-10.2	1.58 H	114	30.3	13.5
7	#17355.00	53.3 PK	74.0	-20.7	3.13 H	295	35.3	18.0
8	#17355.00	41.7 AV	54.0	-12.3	3.13 H	295	23.7	18.0
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	#5552.55	57.9 PK	68.2	-10.3	1.29 V	348	53.7	4.2
2	*5785.00	116.5 PK			1.29 V	348	112.1	4.4
3	*5785.00	106.2 AV			1.29 V	348	101.8	4.4
4	#6019.76	58.5 PK	68.2	-9.7	1.29 V	348	53.7	4.8
5	11570.00	59.6 PK	74.0	-14.4	1.72 V	26	46.1	13.5
6	11570.00	46.3 AV	54.0	-7.7	1.72 V	26	32.8	13.5
7	#17355.00	55.3 PK	74.0	-18.7	2.43 V	360	37.3	18.0
8	#17355.00	44.3 AV	54.0	-9.7	2.43 V	360	26.3	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5589.07	59.3 PK	68.2	-8.9	1.66 H	343	55.1	4.2
2	*5825.00	118.1 PK			1.66 H	343	113.7	4.4
3	*5825.00	107.5 AV			1.66 H	343	103.1	4.4
4	#5987.53	56.4 PK	68.2	-11.8	1.66 H	343	51.7	4.7
5	11650.00	55.7 PK	74.0	-18.3	1.57 H	138	42.0	13.7
6	11650.00	43.4 AV	54.0	-10.6	1.57 H	138	29.7	13.7
7	#17475.00	53.2 PK	74.0	-20.8	3.13 H	292	34.6	18.6
8	#17475.00	41.3 AV	54.0	-12.7	3.13 H	292	22.7	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5590.65	59.7 PK	68.2	-8.5	1.36 V	348	55.5	4.2
2	*5825.00	116.4 PK			1.36 V	348	112.0	4.4
3	*5825.00	106.3 AV			1.36 V	348	101.9	4.4
4	#5928.37	57.4 PK	68.2	-10.8	1.36 V	348	52.7	4.7
5	11650.00	59.4 PK	74.0	-14.6	1.73 V	18	45.7	13.7
6	11650.00	46.3 AV	54.0	-7.7	1.73 V	18	32.6	13.7
7	#17475.00	55.2 PK	74.0	-18.8	2.51 V	360	36.6	18.6
8	#17475.00	44.6 AV	54.0	-9.4	2.51 V	360	26.0	18.6

REMARKS:

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

802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	46.4 PK	74.0	-27.6	1.31 H	342	42.7	3.7
2	5150.00	36.9 AV	54.0	-17.1	1.31 H	342	33.2	3.7
3	*5190.00	96.0 PK			1.31 H	342	92.3	3.7
4	*5190.00	86.2 AV			1.31 H	342	82.5	3.7
5	5350.00	48.7 PK	74.0	-25.3	1.31 H	342	44.6	4.1
6	5350.00	36.9 AV	54.0	-17.1	1.31 H	342	32.8	4.1
7	#10380.00	45.4 PK	74.0	-28.6	2.27 H	35	32.3	13.1
8	#10380.00	35.9 AV	54.0	-18.1	2.27 H	35	22.8	13.1
9	15570.00	54.5 PK	74.0	-19.5	3.94 H	300	41.2	13.3
10	15570.00	43.5 AV	54.0	-10.5	3.94 H	300	30.2	13.3
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	5150.00	46.6 PK	74.0	-27.4	1.48 V	359	42.9	3.7
2	5150.00	36.9 AV	54.0	-17.1	1.48 V	359	33.2	3.7
3	*5190.00	95.2 PK			1.48 V	359	91.5	3.7
4	*5190.00	85.8 AV			1.48 V	359	82.1	3.7
5	5350.00	48.8 PK	74.0	-25.2	1.48 V	359	44.7	4.1
6	5350.00	37.3 AV	54.0	-16.7	1.48 V	359	33.2	4.1
7	#10380.00	49.2 PK	74.0	-24.8	1.59 V	313	36.1	13.1
8	#10380.00	39.5 AV	54.0	-14.5	1.59 V	313	26.4	13.1
9	15570.00	55.7 PK	74.0	-18.3	2.30 V	347	42.4	13.3
10	15570.00	45.3 AV	54.0	-8.7	2.30 V	347	32.0	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	96.3 PK			1.41 H	349	92.5	3.8
2	*5230.00	87.8 AV			1.41 H	349	84.0	3.8
3	5350.00	49.2 PK	74.0	-24.8	1.41 H	349	45.1	4.1
4	5350.00	37.7 AV	54.0	-16.3	1.41 H	349	33.6	4.1
5	#10460.00	46.1 PK	74.0	-27.9	2.27 H	38	33.0	13.1
6	#10460.00	36.8 AV	54.0	-17.2	2.27 H	38	23.7	13.1
7	15690.00	55.2 PK	74.0	-18.8	4.00 H	290	41.4	13.8
8	15690.00	44.1 AV	54.0	-9.9	4.00 H	290	30.3	13.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	96.0 PK			1.61 V	339	92.2	3.8
2	*5230.00	86.8 AV			1.61 V	339	83.0	3.8
3	5350.00	48.0 PK	74.0	-26.0	1.61 V	339	43.9	4.1
4	5350.00	37.4 AV	54.0	-16.6	1.61 V	339	33.3	4.1
5	#10460.00	48.6 PK	74.0	-25.4	1.58 V	315	35.5	13.1
6	#10460.00	39.0 AV	54.0	-15.0	1.58 V	315	25.9	13.1
7	15690.00	55.1 PK	74.0	-18.9	2.34 V	336	41.3	13.8
8	15690.00	44.6 AV	54.0	-9.4	2.34 V	336	30.8	13.8

REMARKS:

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

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5600.22	59.9 PK	68.2	-8.3	1.70 H	341	55.5	4.4
2	*5755.00	116.0 PK			1.70 H	341	111.6	4.4
3	*5755.00	106.4 AV			1.70 H	341	102.0	4.4
4	#5982.07	58.0 PK	68.2	-10.2	1.70 H	341	53.3	4.7
5	11510.00	56.5 PK	74.0	-17.5	1.54 H	135	42.9	13.6
6	11510.00	43.5 AV	54.0	-10.5	1.54 H	135	29.9	13.6
7	#17265.00	54.7 PK	74.0	-19.3	3.23 H	326	37.1	17.6
8	#17265.00	42.9 AV	54.0	-11.1	3.23 H	326	25.3	17.6
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	#5609.71	59.3 PK	68.2	-8.9	1.36 V	345	54.9	4.4
2	*5755.00	114.1 PK			1.36 V	345	109.7	4.4
3	*5755.00	105.3 AV			1.36 V	345	100.9	4.4
4	#5928.10	57.8 PK	68.2	-10.4	1.36 V	345	53.1	4.7
5	11510.00	59.1 PK	74.0	-14.9	1.82 V	57	45.5	13.6
6	11510.00	46.7 AV	54.0	-7.3	1.82 V	57	33.1	13.6
7	#17265.00	54.5 PK	74.0	-19.5	2.37 V	321	36.9	17.6
8	#17265.00	44.1 AV	54.0	-9.9	2.37 V	321	26.5	17.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5645.58	60.6 PK	68.2	-7.6	1.75 H	342	56.2	4.4
2	*5795.00	115.6 PK			1.75 H	342	111.2	4.4
3	*5795.00	105.8 AV			1.75 H	342	101.4	4.4
4	#5944.95	59.0 PK	68.2	-9.2	1.75 H	342	54.3	4.7
5	11590.00	57.0 PK	74.0	-17.0	1.56 H	123	43.5	13.5
6	11590.00	44.1 AV	54.0	-9.9	1.56 H	123	30.6	13.5
7	#17385.00	54.6 PK	74.0	-19.4	3.26 H	321	36.3	18.3
8	#17385.00	42.8 AV	54.0	-11.2	3.26 H	321	24.5	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5622.53	59.0 PK	68.2	-9.2	1.34 V	349	54.6	4.4
2	*5795.00	113.7 PK			1.34 V	349	109.3	4.4
3	*5795.00	104.2 AV			1.34 V	349	99.8	4.4
4	#5939.14	58.2 PK	68.2	-10.0	1.34 V	349	53.5	4.7
5	11590.00	59.7 PK	74.0	-14.3	1.75 V	36	46.2	13.5
6	11590.00	47.5 AV	54.0	-6.5	1.75 V	36	34.0	13.5
7	#17385.00	54.9 PK	74.0	-19.1	2.37 V	331	36.6	18.3
8	#17385.00	44.2 AV	54.0	-9.8	2.37 V	331	25.9	18.3

REMARKS:

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

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	47.6 PK	74.0	-26.4	1.19 H	333	43.9	3.7
2	5150.00	38.3 AV	54.0	-15.7	1.19 H	333	34.6	3.7
3	*5210.00	92.4 PK			1.19 H	333	88.7	3.7
4	*5210.00	83.2 AV			1.19 H	333	79.5	3.7
5	5350.00	49.2 PK	74.0	-24.8	1.19 H	333	45.1	4.1
6	5350.00	37.5 AV	54.0	-16.5	1.19 H	333	33.4	4.1
7	#10420.00	46.0 PK	74.0	-28.0	2.20 H	29	32.9	13.1
8	#10420.00	36.4 AV	54.0	-17.6	2.20 H	29	23.3	13.1
9	15630.00	53.7 PK	74.0	-20.3	3.92 H	304	40.1	13.6
10	15630.00	43.3 AV	54.0	-10.7	3.92 H	304	29.7	13.6
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	5150.00	46.8 PK	74.0	-27.2	1.70 V	358	43.1	3.7
2	5150.00	38.1 AV	54.0	-15.9	1.70 V	358	34.4	3.7
3	*5210.00	91.0 PK			1.70 V	358	87.3	3.7
4	*5210.00	82.2 AV			1.70 V	358	78.5	3.7
5	5350.00	48.5 PK	74.0	-25.5	1.70 V	358	44.4	4.1
6	5350.00	37.2 AV	54.0	-16.8	1.70 V	358	33.1	4.1
7	#10420.00	48.2 PK	74.0	-25.8	1.49 V	336	35.1	13.1
8	#10420.00	38.5 AV	54.0	-15.5	1.49 V	336	25.4	13.1
9	15630.00	55.7 PK	74.0	-18.3	2.41 V	352	42.1	13.6
10	15630.00	44.6 AV	54.0	-9.4	2.41 V	352	31.0	13.6

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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5633.10	60.9 PK	68.2	-7.3	1.58 H	340	56.5	4.4
2	*5775.00	110.8 PK			1.58 H	340	106.4	4.4
3	*5775.00	101.2 AV			1.58 H	340	96.8	4.4
4	#5931.40	58.8 PK	68.2	-9.4	1.58 H	340	54.1	4.7
5	11550.00	56.7 PK	74.0	-17.3	1.59 H	99	43.2	13.5
6	11550.00	43.7 AV	54.0	-10.3	1.59 H	99	30.2	13.5
7	#17325.00	54.0 PK	74.0	-20.0	3.18 H	314	36.2	17.8
8	#17325.00	42.2 AV	54.0	-11.8	3.18 H	314	24.4	17.8
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	#5635.50	64.8 PK	68.2	-3.4	1.33 V	354	60.4	4.4
2	*5775.00	108.2 PK			1.33 V	354	103.8	4.4
3	*5775.00	100.2 AV			1.33 V	354	95.8	4.4
4	#5946.60	57.6 PK	68.2	-10.6	1.33 V	354	52.9	4.7
5	11550.00	60.2 PK	74.0	-13.8	1.80 V	51	46.7	13.5
6	11550.00	47.5 AV	54.0	-6.5	1.80 V	51	34.0	13.5
7	#17325.00	56.3 PK	74.0	-17.7	2.39 V	360	38.5	17.8
8	#17325.00	45.2 AV	54.0	-8.8	2.39 V	360	27.4	17.8

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.

Below 1GHz Data:

802.11a

CHANNEL	TX Channel 149	**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	112.86	37.2 QP	43.5	-6.3	1.50 H	321	48.0	-10.8
2	139.22	35.9 QP	43.5	-7.6	2.00 H	91	44.5	-8.6
3	207.44	34.2 QP	43.5	-9.3	1.50 H	208	45.8	-11.6
4	390.48	37.3 QP	46.0	-8.7	2.00 H	314	42.9	-5.6
5	437.76	35.8 QP	46.0	-10.2	2.00 H	310	39.7	-3.9
6	488.64	35.0 QP	46.0	-11.0	1.50 H	30	38.3	-3.3
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	44.67	35.9 QP	40.0	-4.1	1.00 V	300	44.1	-8.2
2	106.68	34.9 QP	43.5	-8.6	1.00 V	240	46.3	-11.4
3	358.83	39.9 QP	46.0	-6.1	1.00 V	306	46.2	-6.3
4	382.45	42.6 QP	46.0	-3.4	1.00 V	252	48.3	-5.7
5	419.75	37.1 QP	46.0	-8.9	1.00 V	256	41.9	-4.8
6	493.56	37.8 QP	46.0	-8.2	1.00 V	274	41.0	-3.2

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

Omnidirectional Antenna

Above 1GHz Data:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	50.8 PK	74.0	-23.2	1.88 H	331	47.1	3.7
2	5150.00	40.0 AV	54.0	-14.0	1.88 H	331	36.3	3.7
3	*5180.00	107.0 PK			1.76 H	300	103.3	3.7
4	*5180.00	96.7 AV			1.76 H	300	93.0	3.7
5	#10360.00	49.7 PK	74.0	-24.3	1.44 H	328	36.7	13.0
6	#10360.00	39.2 AV	54.0	-14.8	1.44 H	328	26.2	13.0
7	15540.00	55.9 PK	74.0	-18.1	2.51 H	349	42.8	13.1
8	15540.00	45.2 AV	54.0	-8.8	2.51 H	349	32.1	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	51.0 PK	74.0	-23.0	1.47 V	338	47.3	3.7
2	5150.00	40.2 AV	54.0	-13.8	1.47 V	338	36.5	3.7
3	*5180.00	106.4 PK			1.45 V	348	102.7	3.7
4	*5180.00	96.2 AV			1.45 V	348	92.5	3.7
5	#10360.00	46.3 PK	74.0	-27.7	2.42 V	10	33.3	13.0
6	#10360.00	36.7 AV	54.0	-17.3	2.42 V	10	23.7	13.0
7	15540.00	53.5 PK	74.0	-20.5	3.93 V	282	40.4	13.1
8	15540.00	43.1 AV	54.0	-10.9	3.93 V	282	30.0	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	107.1 PK			1.74 H	314	103.4	3.7
2	*5200.00	96.3 AV			1.74 H	314	92.6	3.7
3	#10400.00	48.7 PK	74.0	-25.3	1.54 H	339	35.7	13.0
4	#10400.00	38.9 AV	54.0	-15.1	1.54 H	339	25.9	13.0
5	15600.00	55.7 PK	74.0	-18.3	2.45 H	309	42.4	13.3
6	15600.00	44.9 AV	54.0	-9.1	2.45 H	309	31.6	13.3
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	*5200.00	106.1 PK			1.31 V	360	102.4	3.7
2	*5200.00	96.0 AV			1.31 V	360	92.3	3.7
3	#10400.00	46.9 PK	74.0	-27.1	2.47 V	20	33.9	13.0
4	#10400.00	37.3 AV	54.0	-16.7	2.47 V	20	24.3	13.0
5	15600.00	54.0 PK	74.0	-20.0	3.89 V	311	40.7	13.3
6	15600.00	43.1 AV	54.0	-10.9	3.89 V	311	29.8	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	106.9 PK			2.24 H	15	103.1	3.8
2	*5240.00	96.2 AV			2.24 H	15	92.4	3.8
3	5350.00	49.2 PK	74.0	-24.8	2.25 H	33	45.1	4.1
4	5350.00	37.8 AV	54.0	-16.2	2.25 H	33	33.7	4.1
5	#10480.00	48.8 PK	74.0	-25.2	1.52 H	355	35.6	13.2
6	#10480.00	38.7 AV	54.0	-15.3	1.52 H	355	25.5	13.2
7	15720.00	56.4 PK	74.0	-17.6	2.43 H	338	42.8	13.6
8	**15720.00**	**45.6 AV**	**54.0**	**-8.4**	**2.43 H**	**338**	**32.0**	**13.6**
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	*5240.00	107.3 PK			1.50 V	360	103.5	3.8
2	*5240.00	97.2 AV			1.50 V	360	93.4	3.8
3	5350.00	50.5 PK	74.0	-23.5	1.44 V	360	46.4	4.1
4	5350.00	38.8 AV	54.0	-15.2	1.44 V	360	34.7	4.1
5	#10480.00	46.2 PK	74.0	-27.8	2.42 V	28	33.0	13.2
6	#10480.00	36.2 AV	54.0	-17.8	2.42 V	28	23.0	13.2
7	15720.00	53.7 PK	74.0	-20.3	3.92 V	312	40.1	13.6
8	15720.00	42.7 AV	54.0	-11.3	3.92 V	312	29.1	13.6

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 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	#5582.02	56.0 PK	68.2	-12.2	1.31 H	355	51.8	4.2
2	*5745.00	111.1 PK			1.31 H	355	106.7	4.4
3	*5745.00	101.1 AV			1.31 H	355	96.7	4.4
4	#5987.19	56.1 PK	68.2	-12.1	1.31 H	355	51.4	4.7
5	11490.00	58.0 PK	74.0	-16.0	1.47 H	134	44.5	13.5
6	11490.00	44.8 AV	54.0	-9.2	1.47 H	134	31.3	13.5
7	#17235.00	54.8 PK	74.0	-19.2	3.03 H	306	37.5	17.3
8	#17235.00	42.7 AV	54.0	-11.3	3.03 H	306	25.4	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5644.45	61.0 PK	68.2	-7.2	1.47 V	162	56.6	4.4
2	*5745.00	121.9 PK			1.47 V	162	117.5	4.4
3	*5745.00	112.7 AV			1.47 V	162	108.3	4.4
4	#5989.55	58.3 PK	68.2	-9.9	1.47 V	162	53.6	4.7
5	11490.00	58.6 PK	74.0	-15.4	1.83 V	18	45.1	13.5
6	11490.00	46.2 AV	54.0	-7.8	1.83 V	18	32.7	13.5
7	#17235.00	56.1 PK	74.0	-17.9	2.43 V	337	38.8	17.3
8	#17235.00	44.9 AV	54.0	-9.1	2.43 V	337	27.6	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 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5630.95	56.9 PK	68.2	-11.3	1.33 H	354	52.5	4.4
2	*5785.00	112.0 PK			1.33 H	354	107.6	4.4
3	*5785.00	101.7 AV			1.33 H	354	97.3	4.4
4	#5946.67	56.4 PK	68.2	-11.8	1.33 H	354	51.7	4.7
5	11570.00	57.9 PK	74.0	-16.1	1.51 H	134	44.4	13.5
6	11570.00	45.0 AV	54.0	-9.0	1.51 H	134	31.5	13.5
7	#17355.00	54.1 PK	74.0	-19.9	3.04 H	298	36.1	18.0
8	#17355.00	42.0 AV	54.0	-12.0	3.04 H	298	24.0	18.0
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	#5626.75	58.9 PK	68.2	-9.3	1.46 V	162	54.5	4.4
2	*5785.00	122.1 PK			1.46 V	162	117.7	4.4
3	*5785.00	112.0 AV			1.46 V	162	107.6	4.4
4	#5950.06	57.4 PK	68.2	-10.8	1.46 V	162	52.7	4.7
5	11570.00	59.2 PK	74.0	-14.8	1.88 V	0	45.7	13.5
6	11570.00	46.4 AV	54.0	-7.6	1.88 V	0	32.9	13.5
7	#17355.00	55.1 PK	74.0	-18.9	2.46 V	352	37.1	18.0
8	#17355.00	44.0 AV	54.0	-10.0	2.46 V	352	26.0	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5575.09	57.2 PK	68.2	-11.0	1.35 H	360	53.0	4.2
2	*5825.00	111.6 PK			1.35 H	360	107.2	4.4
3	*5825.00	101.4 AV			1.35 H	360	97.0	4.4
4	#5955.79	56.6 PK	68.2	-11.6	1.35 H	360	51.9	4.7
5	11650.00	58.2 PK	74.0	-15.8	1.48 H	115	44.5	13.7
6	11650.00	44.9 AV	54.0	-9.1	1.48 H	115	31.2	13.7
7	#17475.00	54.7 PK	74.0	-19.3	3.03 H	315	36.1	18.6
8	#17475.00	42.5 AV	54.0	-11.5	3.03 H	315	23.9	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5589.39	59.3 PK	68.2	-8.9	1.46 V	155	55.1	4.2
2	*5825.00	121.6 PK			1.46 V	155	117.2	4.4
3	*5825.00	111.7 AV			1.46 V	155	107.3	4.4
4	#5930.81	58.5 PK	68.2	-9.7	1.46 V	155	53.8	4.7
5	11650.00	59.4 PK	74.0	-14.6	1.85 V	0	45.7	13.7
6	11650.00	46.6 AV	54.0	-7.4	1.85 V	0	32.9	13.7
7	#17475.00	55.0 PK	74.0	-19.0	2.48 V	332	36.4	18.6
8	#17475.00	44.1 AV	54.0	-9.9	2.48 V	332	25.5	18.6

REMARKS:

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

802.11ac (VHT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	48.2 PK	74.0	-25.8	2.04 H	348	44.5	3.7
2	5150.00	36.7 AV	54.0	-17.3	2.04 H	348	33.0	3.7
3	*5180.00	98.4 PK			2.08 H	345	94.7	3.7
4	*5180.00	87.6 AV			2.08 H	345	83.9	3.7
5	#10360.00	48.7 PK	74.0	-25.3	1.45 H	334	35.7	13.0
6	#10360.00	38.8 AV	54.0	-15.2	1.45 H	334	25.8	13.0
7	15540.00	56.3 PK	74.0	-17.7	2.39 H	334	43.2	13.1
8	15540.00	45.5 AV	54.0	-8.5	2.39 H	334	32.4	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	48.5 PK	74.0	-25.5	1.24 V	358	44.8	3.7
2	5150.00	36.8 AV	54.0	-17.2	1.24 V	358	33.1	3.7
3	*5180.00	97.5 PK			1.33 V	360	93.8	3.7
4	*5180.00	87.2 AV			1.33 V	360	83.5	3.7
5	#10360.00	46.6 PK	74.0	-27.4	2.33 V	18	33.6	13.0
6	#10360.00	36.6 AV	54.0	-17.4	2.33 V	18	23.6	13.0
7	15540.00	54.2 PK	74.0	-19.8	3.85 V	265	41.1	13.1
8	15540.00	43.4 AV	54.0	-10.6	3.85 V	265	30.3	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	95.9 PK			2.03 H	345	92.2	3.7
2	*5200.00	85.9 AV			2.03 H	345	82.2	3.7
3	#10400.00	48.6 PK	74.0	-25.4	1.58 H	341	35.6	13.0
4	#10400.00	39.0 AV	54.0	-15.0	1.58 H	341	26.0	13.0
5	15600.00	55.9 PK	74.0	-18.1	2.48 H	336	42.6	13.3
6	15600.00	45.0 AV	54.0	-9.0	2.48 H	336	31.7	13.3
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	*5200.00	97.0 PK			1.39 V	350	93.3	3.7
2	*5200.00	86.7 AV			1.39 V	350	83.0	3.7
3	#10400.00	45.8 PK	74.0	-28.2	2.45 V	1	32.8	13.0
4	#10400.00	36.1 AV	54.0	-17.9	2.45 V	1	23.1	13.0
5	15600.00	54.7 PK	74.0	-19.3	3.89 V	294	41.4	13.3
6	15600.00	43.9 AV	54.0	-10.1	3.89 V	294	30.6	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	98.8 PK			2.06 H	360	95.0	3.8
2	*5240.00	88.2 AV			2.06 H	360	84.4	3.8
3	5350.00	47.7 PK	74.0	-26.3	2.02 H	360	43.6	4.1
4	5350.00	35.8 AV	54.0	-18.2	2.02 H	360	31.7	4.1
5	#10480.00	49.4 PK	74.0	-24.6	1.48 H	324	36.2	13.2
6	#10480.00	39.6 AV	54.0	-14.4	1.48 H	324	26.4	13.2
7	15720.00	55.9 PK	74.0	-18.1	2.44 H	321	42.3	13.6
8	15720.00	45.3 AV	54.0	-8.7	2.44 H	321	31.7	13.6
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	*5240.00	100.0 PK			1.23 V	335	96.2	3.8
2	*5240.00	88.9 AV			1.23 V	335	85.1	3.8
3	5350.00	49.5 PK	74.0	-24.5	1.22 V	343	45.4	4.1
4	5350.00	37.0 AV	54.0	-17.0	1.22 V	343	32.9	4.1
5	#10480.00	46.9 PK	74.0	-27.1	2.41 V	22	33.7	13.2
6	#10480.00	37.0 AV	54.0	-17.0	2.41 V	22	23.8	13.2
7	15720.00	54.2 PK	74.0	-19.8	3.92 V	305	40.6	13.6
8	15720.00	43.7 AV	54.0	-10.3	3.92 V	305	30.1	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5626.89	56.3 PK	68.2	-11.9	1.48 H	359	51.9	4.4
2	*5745.00	106.3 PK			1.48 H	359	101.9	4.4
3	*5745.00	96.4 AV			1.48 H	359	92.0	4.4
4	#5977.71	55.8 PK	68.2	-12.4	1.48 H	359	51.1	4.7
5	11490.00	55.7 PK	74.0	-18.3	1.50 H	125	42.2	13.5
6	11490.00	43.4 AV	54.0	-10.6	1.50 H	125	29.9	13.5
7	#17235.00	53.4 PK	74.0	-20.6	3.19 H	307	36.1	17.3
8	#17235.00	41.6 AV	54.0	-12.4	3.19 H	307	24.3	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	#5578.96	57.8 PK	68.2	-10.4	1.62 V	165	53.6	4.2
2	*5745.00	114.8 PK			1.62 V	165	110.4	4.4
3	*5745.00	105.2 AV			1.62 V	165	100.8	4.4
4	#5991.37	58.0 PK	68.2	-10.2	1.62 V	165	53.3	4.7
5	11490.00	59.6 PK	74.0	-14.4	1.81 V	2	46.1	13.5
6	11490.00	46.4 AV	54.0	-7.6	1.81 V	2	32.9	13.5
7	#17235.00	55.0 PK	74.0	-19.0	2.45 V	360	37.7	17.3
8	#17235.00	44.5 AV	54.0	-9.5	2.45 V	360	27.2	17.3

REMARKS:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5597.62	56.8 PK	68.2	-11.4	1.48 H	359	52.4	4.4
2	*5785.00	108.9 PK			1.48 H	359	104.5	4.4
3	*5785.00	97.8 AV			1.48 H	359	93.4	4.4
4	#5982.06	55.8 PK	68.2	-12.4	1.48 H	359	51.1	4.7
5	11570.00	56.1 PK	74.0	-17.9	1.55 H	119	42.6	13.5
6	11570.00	43.8 AV	54.0	-10.2	1.55 H	119	30.3	13.5
7	#17355.00	53.2 PK	74.0	-20.8	3.21 H	289	35.2	18.0
8	#17355.00	41.4 AV	54.0	-12.6	3.21 H	289	23.4	18.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5550.95	57.1 PK	68.2	-11.1	1.80 V	160	52.9	4.2
2	*5785.00	115.3 PK			1.80 V	160	110.9	4.4
3	*5785.00	106.0 AV			1.80 V	160	101.6	4.4
4	#5930.08	57.3 PK	68.2	-10.9	1.80 V	160	52.6	4.7
5	11570.00	59.2 PK	74.0	-14.8	1.74 V	21	45.7	13.5
6	11570.00	46.5 AV	54.0	-7.5	1.74 V	21	33.0	13.5
7	#17355.00	55.0 PK	74.0	-19.0	2.42 V	360	37.0	18.0
8	#17355.00	44.5 AV	54.0	-9.5	2.42 V	360	26.5	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5591.56	56.7 PK	68.2	-11.5	1.54 H	358	52.4	4.3
2	*5825.00	108.0 PK			1.54 H	358	103.6	4.4
3	*5825.00	97.6 AV			1.54 H	358	93.2	4.4
4	#5988.66	56.0 PK	68.2	-12.2	1.54 H	358	51.3	4.7
5	11650.00	55.4 PK	74.0	-18.6	1.56 H	131	41.7	13.7
6	11650.00	43.3 AV	54.0	-10.7	1.56 H	131	29.6	13.7
7	#17475.00	53.8 PK	74.0	-20.2	3.17 H	292	35.2	18.6
8	#17475.00	41.6 AV	54.0	-12.4	3.17 H	292	23.0	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5574.41	57.6 PK	68.2	-10.6	1.83 V	154	53.4	4.2
2	*5825.00	114.9 PK			1.83 V	154	110.5	4.4
3	*5825.00	105.8 AV			1.83 V	154	101.4	4.4
4	#5929.43	57.4 PK	68.2	-10.8	1.83 V	154	52.7	4.7
5	11650.00	60.0 PK	74.0	-14.0	1.76 V	4	46.3	13.7
6	11650.00	47.1 AV	54.0	-6.9	1.76 V	4	33.4	13.7
7	#17475.00	55.1 PK	74.0	-18.9	2.43 V	360	36.5	18.6
8	#17475.00	44.4 AV	54.0	-9.6	2.43 V	360	25.8	18.6

REMARKS:

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

802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	46.2 PK	74.0	-27.8	1.45 H	352	42.5	3.7
2	5150.00	36.5 AV	54.0	-17.5	1.45 H	352	32.8	3.7
3	*5190.00	95.8 PK			1.53 H	360	92.1	3.7
4	*5190.00	85.4 AV			1.53 H	360	81.7	3.7
5	5350.00	48.1 PK	74.0	-25.9	1.52 H	347	44.0	4.1
6	5350.00	36.9 AV	54.0	-17.1	1.52 H	347	32.8	4.1
7	#10380.00	49.4 PK	74.0	-24.6	1.58 H	309	36.3	13.1
8	#10380.00	39.8 AV	54.0	-14.2	1.58 H	309	26.7	13.1
9	15570.00	55.9 PK	74.0	-18.1	2.26 H	345	42.6	13.3
10	15570.00	45.6 AV	54.0	-8.4	2.26 H	345	32.3	13.3
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	5150.00	45.9 PK	74.0	-28.1	1.36 V	348	42.2	3.7
2	5150.00	36.6 AV	54.0	-17.4	1.36 V	348	32.9	3.7
3	*5190.00	96.7 PK			1.34 V	346	93.0	3.7
4	*5190.00	86.2 AV			1.34 V	346	82.5	3.7
5	5350.00	49.0 PK	74.0	-25.0	1.34 V	353	44.9	4.1
6	5350.00	37.3 AV	54.0	-16.7	1.34 V	353	33.2	4.1
7	#10380.00	45.4 PK	74.0	-28.6	2.28 V	39	32.3	13.1
8	#10380.00	36.0 AV	54.0	-18.0	2.28 V	39	22.9	13.1
9	15570.00	53.8 PK	74.0	-20.2	3.95 V	307	40.5	13.3
10	15570.00	43.0 AV	54.0	-11.0	3.95 V	307	29.7	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	97.0 PK			1.57 H	327	93.2	3.8
2	*5230.00	86.6 AV			1.57 H	327	82.8	3.8
3	5350.00	48.2 PK	74.0	-25.8	1.59 H	337	44.1	4.1
4	5350.00	37.6 AV	54.0	-16.4	1.59 H	337	33.5	4.1
5	#10460.00	48.6 PK	74.0	-25.4	1.60 H	301	35.5	13.1
6	#10460.00	38.7 AV	54.0	-15.3	1.60 H	301	25.6	13.1
7	15690.00	55.0 PK	74.0	-19.0	2.32 H	342	41.2	13.8
8	15690.00	44.4 AV	54.0	-9.6	2.32 H	342	30.6	13.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	97.3 PK			1.39 V	335	93.5	3.8
2	*5230.00	87.7 AV			1.39 V	335	83.9	3.8
3	5350.00	49.8 PK	74.0	-24.2	1.41 V	351	45.7	4.1
4	5350.00	38.1 AV	54.0	-15.9	1.41 V	351	34.0	4.1
5	#10460.00	46.9 PK	74.0	-27.1	2.25 V	40	33.8	13.1
6	#10460.00	37.3 AV	54.0	-16.7	2.25 V	40	24.2	13.1
7	15690.00	55.0 PK	74.0	-19.0	4.00 V	292	41.2	13.8
8	15690.00	44.1 AV	54.0	-9.9	4.00 V	292	30.3	13.8

REMARKS:

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

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5634.84	57.4 PK	68.2	-10.8	1.54 H	360	53.0	4.4
2	*5755.00	104.8 PK			1.54 H	360	100.4	4.4
3	*5755.00	95.5 AV			1.54 H	360	91.1	4.4
4	#5997.58	56.3 PK	68.2	-11.9	1.54 H	360	51.6	4.7
5	11510.00	55.7 PK	74.0	-18.3	1.57 H	104	42.1	13.6
6	11510.00	43.3 AV	54.0	-10.7	1.57 H	104	29.7	13.6
7	#17265.00	54.4 PK	74.0	-19.6	3.23 H	328	36.8	17.6
8	#17265.00	43.0 AV	54.0	-11.0	3.23 H	328	25.4	17.6
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	#5596.31	58.6 PK	68.2	-9.6	1.84 V	159	54.3	4.3
2	*5755.00	113.2 PK			1.84 V	159	108.8	4.4
3	*5755.00	104.6 AV			1.84 V	159	100.2	4.4
4	#6009.63	57.1 PK	68.2	-11.1	1.84 V	159	52.3	4.8
5	11510.00	60.1 PK	74.0	-13.9	1.81 V	33	46.5	13.6
6	11510.00	47.0 AV	54.0	-7.0	1.81 V	33	33.4	13.6
7	#17265.00	54.9 PK	74.0	-19.1	2.37 V	355	37.3	17.6
8	#17265.00	44.5 AV	54.0	-9.5	2.37 V	355	26.9	17.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5577.53	56.7 PK	68.2	-11.5	1.59 H	358	52.5	4.2
2	*5795.00	105.3 PK			1.59 H	358	100.9	4.4
3	*5795.00	95.8 AV			1.59 H	358	91.4	4.4
4	#5962.12	56.7 PK	68.2	-11.5	1.59 H	358	52.0	4.7
5	11590.00	55.8 PK	74.0	-18.2	1.56 H	114	42.3	13.5
6	11590.00	43.3 AV	54.0	-10.7	1.56 H	114	29.8	13.5
7	#17385.00	54.6 PK	74.0	-19.4	3.16 H	329	36.3	18.3
8	#17385.00	43.0 AV	54.0	-11.0	3.16 H	329	24.7	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5642.77	59.1 PK	68.2	-9.1	1.87 V	160	54.7	4.4
2	*5795.00	113.9 PK			1.87 V	160	109.5	4.4
3	*5795.00	104.5 AV			1.87 V	160	100.1	4.4
4	#5945.81	57.9 PK	68.2	-10.3	1.87 V	160	53.2	4.7
5	11590.00	60.7 PK	74.0	-13.3	1.81 V	33	47.2	13.5
6	11590.00	47.9 AV	54.0	-6.1	1.81 V	33	34.4	13.5
7	#17385.00	55.4 PK	74.0	-18.6	2.42 V	331	37.1	18.3
8	#17385.00	44.7 AV	54.0	-9.3	2.42 V	331	26.4	18.3

REMARKS:

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

802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	46.8 PK	74.0	-27.2	1.64 H	344	43.1	3.7
2	5150.00	37.9 AV	54.0	-16.1	1.64 H	344	34.2	3.7
3	*5210.00	91.5 PK			1.71 H	360	87.8	3.7
4	*5210.00	81.5 AV			1.71 H	360	77.8	3.7
5	5350.00	48.6 PK	74.0	-25.4	1.67 H	348	44.5	4.1
6	5350.00	37.6 AV	54.0	-16.4	1.67 H	348	33.5	4.1
7	#10420.00	48.5 PK	74.0	-25.5	1.45 H	351	35.4	13.1
8	#10420.00	38.7 AV	54.0	-15.3	1.45 H	351	25.6	13.1
9	15630.00	55.6 PK	74.0	-18.4	2.41 H	355	42.0	13.6
10	15630.00	44.5 AV	54.0	-9.5	2.41 H	355	30.9	13.6
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	5150.00	46.9 PK	74.0	-27.1	1.19 V	318	43.2	3.7
2	5150.00	37.8 AV	54.0	-16.2	1.19 V	318	34.1	3.7
3	*5210.00	93.2 PK			1.24 V	346	89.5	3.7
4	*5210.00	83.0 AV			1.24 V	346	79.3	3.7
5	5350.00	49.5 PK	74.0	-24.5	1.22 V	339	45.4	4.1
6	5350.00	37.6 AV	54.0	-16.4	1.22 V	339	33.5	4.1
7	#10420.00	46.4 PK	74.0	-27.6	2.18 V	30	33.3	13.1
8	#10420.00	36.6 AV	54.0	-17.4	2.18 V	30	23.5	13.1
9	15630.00	53.5 PK	74.0	-20.5	3.89 V	305	39.9	13.6
10	15630.00	42.9 AV	54.0	-11.1	3.89 V	305	29.3	13.6

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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5632.20	56.9 PK	68.2	-11.3	1.58 H	359	52.5	4.4
2	*5775.00	100.3 PK			1.58 H	359	95.9	4.4
3	*5775.00	90.8 AV			1.58 H	359	86.4	4.4
4	#5928.49	57.2 PK	68.2	-11.0	1.58 H	359	52.5	4.7
5	11550.00	56.5 PK	74.0	-17.5	1.54 H	114	43.0	13.5
6	11550.00	43.8 AV	54.0	-10.2	1.54 H	114	30.3	13.5
7	#17325.00	54.3 PK	74.0	-19.7	3.13 H	320	36.5	17.8
8	#17325.00	42.3 AV	54.0	-11.7	3.13 H	320	24.5	17.8
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	#5628.19	64.8 PK	68.2	-3.4	1.86 V	159	60.4	4.4
2	*5775.00	108.6 PK			1.86 V	159	104.2	4.4
3	*5775.00	100.4 AV			1.86 V	159	96.0	4.4
4	#5927.33	59.6 PK	68.2	-8.6	1.86 V	159	54.9	4.7
5	11550.00	60.7 PK	74.0	-13.3	1.78 V	47	47.2	13.5
6	11550.00	47.7 AV	54.0	-6.3	1.78 V	47	34.2	13.5
7	#17325.00	55.6 PK	74.0	-18.4	2.44 V	360	37.8	17.8
8	#17325.00	44.6 AV	54.0	-9.4	2.44 V	360	26.8	17.8

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.

Below 1GHz Data:

802.11a

CHANNEL	TX Channel 149	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	107.19	33.1 QP	43.5	-10.4	1.50 H	310	44.4	-11.3
2	140.07	32.1 QP	43.5	-11.4	2.00 H	311	40.7	-8.6
3	352.86	34.4 QP	46.0	-11.6	1.00 H	34	40.9	-6.5
4	386.04	38.1 QP	46.0	-7.9	2.00 H	347	43.8	-5.7
5	409.05	36.0 QP	46.0	-10.0	2.00 H	325	41.1	-5.1
6	440.33	35.2 QP	46.0	-10.8	2.00 H	97	39.0	-3.8
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	45.71	36.7 QP	40.0	-3.3	1.00 V	254	45.0	-8.3
2	113.10	32.8 QP	43.5	-10.7	1.00 V	334	43.6	-10.8
3	355.31	39.7 QP	46.0	-6.3	1.50 V	182	46.1	-6.4
4	411.96	37.4 QP	46.0	-8.6	2.00 V	360	42.4	-5.0
5	440.80	36.6 QP	46.0	-9.4	2.00 V	360	40.4	-3.8
6	483.43	37.6 QP	46.0	-8.4	1.00 V	21	41.0	-3.4

REMARKS:

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

4.1.9 Test Results (Mode 3)

Sector Antenna

Above 1GHz Data:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	51.2 PK	74.0	-22.8	1.53 H	344	47.5	3.7
2	5150.00	40.4 AV	54.0	-13.6	1.53 H	344	36.7	3.7
3	*5180.00	105.9 PK			1.53 H	344	102.2	3.7
4	*5180.00	96.0 AV			1.53 H	344	92.3	3.7
5	#10360.00	46.3 PK	74.0	-27.7	2.38 H	14	33.3	13.0
6	#10360.00	36.6 AV	54.0	-17.4	2.38 H	14	23.6	13.0
7	15540.00	53.8 PK	74.0	-20.2	3.95 H	310	40.7	13.1
8	15540.00	43.3 AV	54.0	-10.7	3.95 H	310	30.2	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	50.9 PK	74.0	-23.1	1.85 V	323	47.2	3.7
2	5150.00	40.0 AV	54.0	-14.0	1.85 V	323	36.3	3.7
3	*5180.00	105.9 PK			1.85 V	323	102.2	3.7
4	*5180.00	95.8 AV			1.85 V	323	92.1	3.7
5	#10360.00	49.2 PK	74.0	-24.8	1.48 V	354	36.2	13.0
6	#10360.00	39.0 AV	54.0	-15.0	1.48 V	354	26.0	13.0
7	15540.00	55.4 PK	74.0	-18.6	2.52 V	329	42.3	13.1
8	15540.00	45.0 AV	54.0	-9.0	2.52 V	329	31.9	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	105.4 PK			1.33 H	360	101.7	3.7
2	*5200.00	95.0 AV			1.33 H	360	91.3	3.7
3	#10400.00	46.5 PK	74.0	-27.5	2.42 H	17	33.5	13.0
4	#10400.00	36.8 AV	54.0	-17.2	2.42 H	17	23.8	13.0
5	15600.00	54.1 PK	74.0	-19.9	3.88 H	314	40.8	13.3
6	15600.00	43.6 AV	54.0	-10.4	3.88 H	314	30.3	13.3
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	*5200.00	106.0 PK			1.74 V	316	102.3	3.7
2	*5200.00	95.5 AV			1.74 V	316	91.8	3.7
3	#10400.00	48.8 PK	74.0	-25.2	1.47 V	353	35.8	13.0
4	#10400.00	39.0 AV	54.0	-15.0	1.47 V	353	26.0	13.0
5	15600.00	55.5 PK	74.0	-18.5	2.49 V	322	42.2	13.3
6	15600.00	45.0 AV	54.0	-9.0	2.49 V	322	31.7	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	106.9 PK			1.50 H	360	103.1	3.8
2	*5240.00	96.8 AV			1.50 H	360	93.0	3.8
3	5350.00	49.9 PK	74.0	-24.1	1.50 H	360	45.8	4.1
4	5350.00	38.4 AV	54.0	-15.6	1.50 H	360	34.3	4.1
5	#10480.00	46.1 PK	74.0	-27.9	2.47 H	17	32.9	13.2
6	#10480.00	36.3 AV	54.0	-17.7	2.47 H	17	23.1	13.2
7	15720.00	54.0 PK	74.0	-20.0	3.92 H	310	40.4	13.6
8	15720.00	43.2 AV	54.0	-10.8	3.92 H	310	29.6	13.6
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	*5240.00	105.9 PK			2.25 V	40	102.1	3.8
2	*5240.00	95.6 AV			2.25 V	40	91.8	3.8
3	5350.00	49.2 PK	74.0	-24.8	2.25 V	40	45.1	4.1
4	5350.00	37.9 AV	54.0	-16.1	2.25 V	40	33.8	4.1
5	#10480.00	49.1 PK	74.0	-24.9	1.47 V	360	35.9	13.2
6	#10480.00	39.2 AV	54.0	-14.8	1.47 V	360	26.0	13.2
7	15720.00	56.0 PK	74.0	-18.0	2.38 V	338	42.4	13.6
8	15720.00	45.3 AV	54.0	-8.7	2.38 V	338	31.7	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	119.4 PK			1.86 H	340	115.0	4.4
2	*5745.00	109.2 AV			1.86 H	340	104.8	4.4
3	11490.00	57.6 PK	74.0	-16.4	1.55 H	116	44.1	13.5
4	11490.00	44.1 AV	54.0	-9.9	1.55 H	116	30.6	13.5
5	#17235.00	53.7 PK	74.0	-20.3	3.15 H	339	36.4	17.3
6	#17235.00	41.7 AV	54.0	-12.3	3.15 H	339	24.4	17.3
7	#5590.79	58.5 PK	68.2	-9.7	1.86 H	340	54.3	4.2
8	#5979.46	59.2 PK	68.2	-9.0	1.86 H	340	54.5	4.7
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	#5576.97	59.1 PK	68.2	-9.1	1.37 V	345	54.9	4.2
2	*5745.00	120.6 PK			1.37 V	345	116.2	4.4
3	*5745.00	110.6 AV			1.37 V	345	106.2	4.4
4	#5979.65	57.4 PK	68.2	-10.8	1.37 V	345	52.7	4.7
5	11490.00	59.0 PK	74.0	-15.0	1.92 V	27	45.5	13.5
6	11490.00	46.3 AV	54.0	-7.7	1.92 V	27	32.8	13.5
7	#17235.00	56.4 PK	74.0	-17.6	2.53 V	344	39.1	17.3
8	#17235.00	45.6 AV	54.0	-8.4	2.53 V	344	28.3	17.3

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5631.72	58.5 PK	68.2	-9.7	1.83 H	342	54.1	4.4
2	*5785.00	118.2 PK			1.83 H	342	113.8	4.4
3	*5785.00	108.6 AV			1.83 H	342	104.2	4.4
4	#6018.58	60.5 PK	68.2	-7.7	1.83 H	342	55.7	4.8
5	11570.00	57.7 PK	74.0	-16.3	1.62 H	128	44.2	13.5
6	11570.00	44.3 AV	54.0	-9.7	1.62 H	128	30.8	13.5
7	#17355.00	53.8 PK	74.0	-20.2	3.12 H	325	35.8	18.0
8	#17355.00	42.4 AV	54.0	-11.6	3.12 H	325	24.4	18.0
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	#5618.79	59.5 PK	68.2	-8.7	1.39 V	347	55.1	4.4
2	*5785.00	119.6 PK			1.39 V	347	115.2	4.4
3	*5785.00	109.6 AV			1.39 V	347	105.2	4.4
4	#5941.31	58.4 PK	68.2	-9.8	1.39 V	347	53.7	4.7
5	11570.00	59.2 PK	74.0	-14.8	1.89 V	42	45.7	13.5
6	11570.00	46.3 AV	54.0	-7.7	1.89 V	42	32.8	13.5
7	#17355.00	56.5 PK	74.0	-17.5	2.47 V	357	38.5	18.0
8	#17355.00	45.4 AV	54.0	-8.6	2.47 V	357	27.4	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5576.97	60.4 PK	68.2	-7.8	1.82 H	341	56.2	4.2
2	*5825.00	118.9 PK			1.82 H	341	114.5	4.4
3	*5825.00	108.3 AV			1.82 H	341	103.9	4.4
4	#5953.82	57.1 PK	68.2	-11.1	1.82 H	341	52.4	4.7
5	11650.00	57.8 PK	74.0	-16.2	1.61 H	118	44.1	13.7
6	11650.00	44.6 AV	54.0	-9.4	1.61 H	118	30.9	13.7
7	#17475.00	53.4 PK	74.0	-20.6	3.17 H	322	34.8	18.6
8	#17475.00	41.9 AV	54.0	-12.1	3.17 H	322	23.3	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5585.01	58.9 PK	68.2	-9.3	1.44 V	346	54.7	4.2
2	*5825.00	119.2 PK			1.44 V	346	114.8	4.4
3	*5825.00	109.3 AV			1.44 V	346	104.9	4.4
4	#5981.88	58.0 PK	68.2	-10.2	1.44 V	346	53.3	4.7
5	11650.00	59.7 PK	74.0	-14.3	1.91 V	44	46.0	13.7
6	11650.00	47.0 AV	54.0	-7.0	1.91 V	44	33.3	13.7
7	#17475.00	56.4 PK	74.0	-17.6	2.50 V	360	37.8	18.6
8	#17475.00	45.3 AV	54.0	-8.7	2.50 V	360	26.7	18.6

REMARKS:

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

802.11ac (VHT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	47.9 PK	74.0	-26.1	1.31 H	360	44.2	3.7
2	5150.00	36.4 AV	54.0	-17.6	1.31 H	360	32.7	3.7
3	*5180.00	96.8 PK			1.31 H	360	93.1	3.7
4	*5180.00	86.6 AV			1.31 H	360	82.9	3.7
5	#10360.00	46.3 PK	74.0	-27.7	2.41 H	9	33.3	13.0
6	#10360.00	36.4 AV	54.0	-17.6	2.41 H	9	23.4	13.0
7	15540.00	54.1 PK	74.0	-19.9	3.84 H	280	41.0	13.1
8	15540.00	43.3 AV	54.0	-10.7	3.84 H	280	30.2	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	48.0 PK	74.0	-26.0	2.03 V	346	44.3	3.7
2	5150.00	36.7 AV	54.0	-17.3	2.03 V	346	33.0	3.7
3	*5180.00	98.2 PK			2.03 V	346	94.5	3.7
4	*5180.00	87.4 AV			2.03 V	346	83.7	3.7
5	#10360.00	49.4 PK	74.0	-24.6	1.46 V	347	36.4	13.0
6	#10360.00	39.4 AV	54.0	-14.6	1.46 V	347	26.4	13.0
7	15540.00	55.9 PK	74.0	-18.1	2.42 V	313	42.8	13.1
8	15540.00	45.1 AV	54.0	-8.9	2.42 V	313	32.0	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	96.4 PK			1.34 H	349	92.7	3.7
2	*5200.00	86.3 AV			1.34 H	349	82.6	3.7
3	#10400.00	46.1 PK	74.0	-27.9	2.47 H	21	33.1	13.0
4	#10400.00	36.3 AV	54.0	-17.7	2.47 H	21	23.3	13.0
5	15600.00	55.2 PK	74.0	-18.8	3.93 H	290	41.9	13.3
6	15600.00	44.3 AV	54.0	-9.7	3.93 H	290	31.0	13.3
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	*5200.00	95.2 PK			1.95 V	360	91.5	3.7
2	*5200.00	85.4 AV			1.95 V	360	81.7	3.7
3	#10400.00	48.8 PK	74.0	-25.2	1.59 V	358	35.8	13.0
4	#10400.00	38.8 AV	54.0	-15.2	1.59 V	358	25.8	13.0
5	15600.00	55.8 PK	74.0	-18.2	2.42 V	351	42.5	13.3
6	15600.00	44.8 AV	54.0	-9.2	2.42 V	351	31.5	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	99.9 PK			1.19 H	340	96.1	3.8
2	*5240.00	89.0 AV			1.19 H	340	85.2	3.8
3	5350.00	49.6 PK	74.0	-24.4	1.19 H	340	45.5	4.1
4	5350.00	37.1 AV	54.0	-16.9	1.19 H	340	33.0	4.1
5	#10480.00	47.3 PK	74.0	-26.7	2.35 H	24	34.1	13.2
6	#10480.00	37.3 AV	54.0	-16.7	2.35 H	24	24.1	13.2
7	15720.00	54.9 PK	74.0	-19.1	3.98 H	283	41.3	13.6
8	15720.00	44.2 AV	54.0	-9.8	3.98 H	283	30.6	13.6
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	*5240.00	97.9 PK			1.98 V	360	94.1	3.8
2	*5240.00	87.3 AV			1.98 V	360	83.5	3.8
3	5350.00	48.1 PK	74.0	-25.9	1.98 V	360	44.0	4.1
4	5350.00	36.3 AV	54.0	-17.7	1.98 V	360	32.2	4.1
5	#10480.00	49.5 PK	74.0	-24.5	1.53 V	317	36.3	13.2
6	#10480.00	39.2 AV	54.0	-14.8	1.53 V	317	26.0	13.2
7	15720.00	55.5 PK	74.0	-18.5	2.39 V	332	41.9	13.6
8	15720.00	45.2 AV	54.0	-8.8	2.39 V	332	31.6	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5587.04	57.8 PK	68.2	-10.4	1.90 H	341	53.6	4.2
2	*5745.00	119.0 PK			1.90 H	341	114.6	4.4
3	*5745.00	108.2 AV			1.90 H	341	103.8	4.4
4	#5976.18	59.2 PK	68.2	-9.0	1.90 H	341	54.5	4.7
5	11490.00	57.2 PK	74.0	-16.8	1.61 H	143	43.7	13.5
6	11490.00	43.8 AV	54.0	-10.2	1.61 H	143	30.3	13.5
7	#17235.00	54.4 PK	74.0	-19.6	3.16 H	334	37.1	17.3
8	#17235.00	42.4 AV	54.0	-11.6	3.16 H	334	25.1	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5639.17	57.8 PK	68.2	-10.4	1.54 V	342	53.4	4.4
2	*5745.00	118.8 PK			1.54 V	342	114.4	4.4
3	*5745.00	107.8 AV			1.54 V	342	103.4	4.4
4	#5977.39	58.4 PK	68.2	-9.8	1.54 V	342	53.7	4.7
5	11490.00	59.3 PK	74.0	-14.7	1.91 V	32	45.8	13.5
6	11490.00	46.6 AV	54.0	-7.4	1.91 V	32	33.1	13.5
7	#17235.00	56.2 PK	74.0	-17.8	2.52 V	360	38.9	17.3
8	#17235.00	45.0 AV	54.0	-9.0	2.52 V	360	27.7	17.3

REMARKS:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5552.48	57.7 PK	68.2	-10.5	1.90 H	341	53.5	4.2
2	*5785.00	119.2 PK			1.90 H	341	114.8	4.4
3	*5785.00	108.4 AV			1.90 H	341	104.0	4.4
4	#5953.38	55.7 PK	68.2	-12.5	1.90 H	341	51.0	4.7
5	11570.00	57.4 PK	74.0	-16.6	1.54 H	121	43.9	13.5
6	11570.00	43.9 AV	54.0	-10.1	1.54 H	121	30.4	13.5
7	#17355.00	54.2 PK	74.0	-19.8	3.13 H	310	36.2	18.0
8	#17355.00	42.6 AV	54.0	-11.4	3.13 H	310	24.6	18.0
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	#5552.26	59.7 PK	68.2	-8.5	1.54 V	346	55.5	4.2
2	*5785.00	118.4 PK			1.54 V	346	114.0	4.4
3	*5785.00	107.2 AV			1.54 V	346	102.8	4.4
4	#6017.63	58.7 PK	68.2	-9.5	1.54 V	346	53.9	4.8
5	11570.00	59.9 PK	74.0	-14.1	1.93 V	35	46.4	13.5
6	11570.00	47.0 AV	54.0	-7.0	1.93 V	35	33.5	13.5
7	#17355.00	56.2 PK	74.0	-17.8	2.47 V	360	38.2	18.0
8	#17355.00	45.2 AV	54.0	-8.8	2.47 V	360	27.2	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5590.48	58.0 PK	68.2	-10.2	1.91 H	336	53.8	4.2
2	*5825.00	118.3 PK			1.91 H	336	113.9	4.4
3	*5825.00	107.6 AV			1.91 H	336	103.2	4.4
4	#5986.68	57.0 PK	68.2	-11.2	1.91 H	336	52.3	4.7
5	11650.00	58.1 PK	74.0	-15.9	1.62 H	136	44.4	13.7
6	11650.00	44.6 AV	54.0	-9.4	1.62 H	136	30.9	13.7
7	#17475.00	53.4 PK	74.0	-20.6	3.11 H	319	34.8	18.6
8	#17475.00	41.9 AV	54.0	-12.1	3.11 H	319	23.3	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5589.65	59.7 PK	68.2	-8.5	1.49 V	348	55.5	4.2
2	*5825.00	117.2 PK			1.49 V	360	112.8	4.4
3	*5825.00	106.2 AV			1.49 V	360	101.8	4.4
4	#5988.20	58.5 PK	68.2	-9.7	1.49 V	348	53.8	4.7
5	11650.00	59.9 PK	74.0	-14.1	1.90 V	26	46.2	13.7
6	11650.00	47.1 AV	54.0	-6.9	1.90 V	26	33.4	13.7
7	#17475.00	56.0 PK	74.0	-18.0	2.47 V	343	37.4	18.6
8	#17475.00	45.0 AV	54.0	-9.0	2.47 V	343	26.4	18.6

REMARKS:

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

802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	46.5 PK	74.0	-27.5	1.31 H	351	42.8	3.7
2	5150.00	37.0 AV	54.0	-17.0	1.31 H	351	33.3	3.7
3	*5190.00	95.3 PK			1.31 H	351	91.6	3.7
4	*5190.00	85.5 AV			1.31 H	351	81.8	3.7
5	5350.00	49.4 PK	74.0	-24.6	1.31 H	351	45.3	4.1
6	5350.00	37.4 AV	54.0	-16.6	1.31 H	351	33.3	4.1
7	#10380.00	45.5 PK	74.0	-28.5	2.30 H	25	32.4	13.1
8	#10380.00	36.0 AV	54.0	-18.0	2.30 H	25	22.9	13.1
9	15570.00	54.1 PK	74.0	-19.9	3.93 H	301	40.8	13.3
10	15570.00	43.2 AV	54.0	-10.8	3.93 H	301	29.9	13.3
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	5150.00	47.1 PK	74.0	-26.9	1.52 V	345	43.4	3.7
2	5150.00	37.4 AV	54.0	-16.6	1.52 V	345	33.7	3.7
3	*5190.00	94.0 PK			1.52 V	345	90.3	3.7
4	*5190.00	84.9 AV			1.52 V	345	81.2	3.7
5	5350.00	48.7 PK	74.0	-25.3	1.52 V	345	44.6	4.1
6	5350.00	37.2 AV	54.0	-16.8	1.52 V	345	33.1	4.1
7	#10380.00	48.6 PK	74.0	-25.4	1.56 V	319	35.5	13.1
8	#10380.00	39.2 AV	54.0	-14.8	1.56 V	319	26.1	13.1
9	15570.00	56.3 PK	74.0	-17.7	2.25 V	349	43.0	13.3
10	15570.00	45.7 AV	54.0	-8.3	2.25 V	349	32.4	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	95.2 PK			1.39 H	333	91.4	3.8
2	*5230.00	86.6 AV			1.39 H	333	82.8	3.8
3	5350.00	48.9 PK	74.0	-25.1	1.39 H	333	44.8	4.1
4	5350.00	37.3 AV	54.0	-16.7	1.39 H	333	33.2	4.1
5	#10460.00	46.2 PK	74.0	-27.8	2.22 H	46	33.1	13.1
6	#10460.00	36.9 AV	54.0	-17.1	2.22 H	46	23.8	13.1
7	15690.00	55.0 PK	74.0	-19.0	4.00 H	300	41.2	13.8
8	15690.00	44.1 AV	54.0	-9.9	4.00 H	300	30.3	13.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	95.6 PK			1.61 V	329	91.8	3.8
2	*5230.00	86.2 AV			1.61 V	329	82.4	3.8
3	5350.00	48.3 PK	74.0	-25.7	1.61 V	329	44.2	4.1
4	5350.00	37.7 AV	54.0	-16.3	1.61 V	329	33.6	4.1
5	#10460.00	49.1 PK	74.0	-24.9	1.54 V	318	36.0	13.1
6	#10460.00	39.4 AV	54.0	-14.6	1.54 V	318	26.3	13.1
7	15690.00	55.3 PK	74.0	-18.7	2.38 V	347	41.5	13.8
8	15690.00	44.8 AV	54.0	-9.2	2.38 V	347	31.0	13.8

REMARKS:

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

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5606.22	59.3 PK	68.2	-8.9	1.93 H	340	54.9	4.4
2	*5755.00	112.6 PK			1.93 H	340	108.2	4.4
3	*5755.00	103.6 AV			1.93 H	340	99.2	4.4
4	#6011.47	58.0 PK	68.2	-10.2	1.93 H	340	53.2	4.8
5	11510.00	57.5 PK	74.0	-16.5	1.60 H	139	43.9	13.6
6	11510.00	44.2 AV	54.0	-9.8	1.60 H	139	30.6	13.6
7	#17265.00	53.4 PK	74.0	-20.6	3.16 H	315	35.8	17.6
8	#17265.00	41.9 AV	54.0	-12.1	3.16 H	315	24.3	17.6
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	#5593.51	59.6 PK	68.2	-8.6	1.50 V	346	55.3	4.3
2	*5755.00	113.2 PK			1.50 V	346	108.8	4.4
3	*5755.00	103.4 AV			1.50 V	346	99.0	4.4
4	#6009.86	57.2 PK	68.2	-11.0	1.50 V	346	52.4	4.8
5	11510.00	59.0 PK	74.0	-15.0	1.84 V	28	45.4	13.6
6	11510.00	46.5 AV	54.0	-7.5	1.84 V	28	32.9	13.6
7	#17265.00	56.6 PK	74.0	-17.4	2.51 V	351	39.0	17.6
8	#17265.00	45.4 AV	54.0	-8.6	2.51 V	351	27.8	17.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5637.67	58.3 PK	68.2	-9.9	1.95 H	342	53.9	4.4
2	*5795.00	112.4 PK			1.95 H	342	108.0	4.4
3	*5795.00	103.2 AV			1.95 H	342	98.8	4.4
4	#5938.85	58.4 PK	68.2	-9.8	1.95 H	342	53.7	4.7
5	11590.00	57.1 PK	74.0	-16.9	1.63 H	140	43.6	13.5
6	11590.00	43.9 AV	54.0	-10.1	1.63 H	140	30.4	13.5
7	#17385.00	54.5 PK	74.0	-19.5	3.18 H	326	36.2	18.3
8	#17385.00	42.6 AV	54.0	-11.4	3.18 H	326	24.3	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5628.81	59.4 PK	68.2	-8.8	1.51 V	347	55.0	4.4
2	*5795.00	112.6 PK			1.51 V	347	108.2	4.4
3	*5795.00	102.8 AV			1.51 V	347	98.4	4.4
4	#5936.98	59.0 PK	68.2	-9.2	1.51 V	347	54.3	4.7
5	11590.00	58.8 PK	74.0	-15.2	1.85 V	46	45.3	13.5
6	11590.00	46.2 AV	54.0	-7.8	1.85 V	46	32.7	13.5
7	#17385.00	56.3 PK	74.0	-17.7	2.45 V	360	38.0	18.3
8	#17385.00	45.3 AV	54.0	-8.7	2.45 V	360	27.0	18.3

REMARKS:

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

802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	47.4 PK	74.0	-26.6	1.13 H	335	43.7	3.7
2	5150.00	38.0 AV	54.0	-16.0	1.13 H	335	34.3	3.7
3	*5210.00	92.6 PK			1.13 H	335	88.9	3.7
4	*5210.00	83.2 AV			1.13 H	335	79.5	3.7
5	5350.00	48.5 PK	74.0	-25.5	1.13 H	335	44.4	4.1
6	5350.00	37.0 AV	54.0	-17.0	1.13 H	335	32.9	4.1
7	#10420.00	46.3 PK	74.0	-27.7	2.20 H	40	33.2	13.1
8	#10420.00	36.7 AV	54.0	-17.3	2.20 H	40	23.6	13.1
9	15630.00	53.7 PK	74.0	-20.3	3.88 H	315	40.1	13.6
10	15630.00	43.3 AV	54.0	-10.7	3.88 H	315	29.7	13.6
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	5150.00	47.3 PK	74.0	-26.7	1.71 V	360	43.6	3.7
2	5150.00	38.3 AV	54.0	-15.7	1.71 V	360	34.6	3.7
3	*5210.00	89.9 PK			1.71 V	360	86.2	3.7
4	*5210.00	81.1 AV			1.71 V	360	77.4	3.7
5	5350.00	48.5 PK	74.0	-25.5	1.71 V	360	44.4	4.1
6	5350.00	37.1 AV	54.0	-16.9	1.71 V	360	33.0	4.1
7	#10420.00	47.9 PK	74.0	-26.1	1.51 V	343	34.8	13.1
8	#10420.00	38.4 AV	54.0	-15.6	1.51 V	343	25.3	13.1
9	15630.00	56.1 PK	74.0	-17.9	2.41 V	352	42.5	13.6
10	15630.00	45.0 AV	54.0	-9.0	2.41 V	352	31.4	13.6

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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5624.39	60.1 PK	68.2	-8.1	1.89 H	340	55.7	4.4
2	*5775.00	106.9 PK			1.89 H	340	102.5	4.4
3	*5775.00	98.1 AV			1.89 H	340	93.7	4.4
4	#5930.24	56.9 PK	68.2	-11.3	1.89 H	340	52.2	4.7
5	11550.00	57.8 PK	74.0	-16.2	1.57 H	119	44.3	13.5
6	11550.00	44.4 AV	54.0	-9.6	1.57 H	119	30.9	13.5
7	#17325.00	53.9 PK	74.0	-20.1	3.08 H	335	36.1	17.8
8	#17325.00	42.2 AV	54.0	-11.8	3.08 H	335	24.4	17.8
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	#5639.35	61.1 PK	68.2	-7.1	1.52 V	346	56.7	4.4
2	*5775.00	106.3 PK			1.52 V	346	101.9	4.4
3	*5775.00	97.2 AV			1.52 V	346	92.8	4.4
4	#5930.05	58.3 PK	68.2	-9.9	1.52 V	346	53.6	4.7
5	11550.00	59.8 PK	74.0	-14.2	1.92 V	54	46.3	13.5
6	11550.00	47.0 AV	54.0	-7.0	1.92 V	54	33.5	13.5
7	#17325.00	56.6 PK	74.0	-17.4	2.52 V	343	38.8	17.8
8	#17325.00	45.6 AV	54.0	-8.4	2.52 V	343	27.8	17.8

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.

Below 1GHz Data:

802.11a

CHANNEL	TX Channel 149	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	112.84	36.5 QP	43.5	-7.0	1.50 H	306	47.3	-10.8
2	139.22	34.1 QP	43.5	-9.4	2.00 H	268	42.7	-8.6
3	207.32	33.0 QP	43.5	-10.5	1.00 H	171	44.5	-11.5
4	388.42	37.5 QP	46.0	-8.5	2.00 H	310	43.2	-5.7
5	411.86	36.7 QP	46.0	-9.3	2.00 H	308	41.7	-5.0
6	437.86	35.0 QP	46.0	-11.0	2.00 H	304	38.9	-3.9
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	44.72	34.6 QP	40.0	-5.4	1.50 V	301	42.8	-8.2
2	106.70	34.5 QP	43.5	-9.0	1.00 V	201	45.9	-11.4
3	139.22	30.5 QP	43.5	-13.0	1.50 V	161	39.1	-8.6
4	357.28	39.4 QP	46.0	-6.6	1.00 V	303	45.7	-6.3
5	403.45	37.6 QP	46.0	-8.4	1.00 V	247	42.9	-5.3
6	491.57	38.1 QP	46.0	-7.9	1.00 V	254	41.4	-3.3

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

Omnidirectional Antenna

Above 1GHz Data:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	50.8 PK	74.0	-23.2	1.88 H	331	47.1	3.7
2	5150.00	40.0 AV	54.0	-14.0	1.88 H	331	36.3	3.7
3	*5180.00	107.0 PK			1.76 H	300	103.3	3.7
4	*5180.00	96.7 AV			1.76 H	300	93.0	3.7
5	#10360.00	49.7 PK	74.0	-24.3	1.44 H	328	36.7	13.0
6	#10360.00	39.2 AV	54.0	-14.8	1.44 H	328	26.2	13.0
7	15540.00	55.9 PK	74.0	-18.1	2.51 H	349	42.8	13.1
8	15540.00	45.2 AV	54.0	-8.8	2.51 H	349	32.1	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	51.0 PK	74.0	-23.0	1.47 V	338	47.3	3.7
2	5150.00	40.2 AV	54.0	-13.8	1.47 V	338	36.5	3.7
3	*5180.00	106.4 PK			1.45 V	348	102.7	3.7
4	*5180.00	96.2 AV			1.45 V	348	92.5	3.7
5	#10360.00	46.3 PK	74.0	-27.7	2.42 V	10	33.3	13.0
6	#10360.00	36.7 AV	54.0	-17.3	2.42 V	10	23.7	13.0
7	15540.00	53.5 PK	74.0	-20.5	3.93 V	282	40.4	13.1
8	15540.00	43.1 AV	54.0	-10.9	3.93 V	282	30.0	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	107.1 PK			1.74 H	314	103.4	3.7
2	*5200.00	96.3 AV			1.74 H	314	92.6	3.7
3	#10400.00	48.7 PK	74.0	-25.3	1.54 H	339	35.7	13.0
4	#10400.00	38.9 AV	54.0	-15.1	1.54 H	339	25.9	13.0
5	15600.00	55.7 PK	74.0	-18.3	2.45 H	309	42.4	13.3
6	15600.00	44.9 AV	54.0	-9.1	2.45 H	309	31.6	13.3
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	*5200.00	106.1 PK			1.31 V	360	102.4	3.7
2	*5200.00	96.0 AV			1.31 V	360	92.3	3.7
3	#10400.00	46.9 PK	74.0	-27.1	2.47 V	20	33.9	13.0
4	#10400.00	37.3 AV	54.0	-16.7	2.47 V	20	24.3	13.0
5	15600.00	54.0 PK	74.0	-20.0	3.89 V	311	40.7	13.3
6	15600.00	43.1 AV	54.0	-10.9	3.89 V	311	29.8	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	106.9 PK			2.24 H	15	103.1	3.8
2	*5240.00	96.2 AV			2.24 H	15	92.4	3.8
3	5350.00	49.2 PK	74.0	-24.8	2.25 H	33	45.1	4.1
4	5350.00	37.8 AV	54.0	-16.2	2.25 H	33	33.7	4.1
5	#10480.00	48.8 PK	74.0	-25.2	1.52 H	355	35.6	13.2
6	#10480.00	38.7 AV	54.0	-15.3	1.52 H	355	25.5	13.2
7	15720.00	56.4 PK	74.0	-17.6	2.43 H	338	42.8	13.6
8	**15720.00**	**45.6 AV**	**54.0**	**-8.4**	**2.43 H**	**338**	**32.0**	**13.6**
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	*5240.00	107.3 PK			1.50 V	360	103.5	3.8
2	*5240.00	97.2 AV			1.50 V	360	93.4	3.8
3	5350.00	50.5 PK	74.0	-23.5	1.44 V	360	46.4	4.1
4	5350.00	38.8 AV	54.0	-15.2	1.44 V	360	34.7	4.1
5	#10480.00	46.2 PK	74.0	-27.8	2.42 V	28	33.0	13.2
6	#10480.00	36.2 AV	54.0	-17.8	2.42 V	28	23.0	13.2
7	15720.00	53.7 PK	74.0	-20.3	3.92 V	312	40.1	13.6
8	15720.00	42.7 AV	54.0	-11.3	3.92 V	312	29.1	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5555.77	56.8 PK	68.2	-11.4	1.62 H	360	52.6	4.2
2	*5745.00	111.9 PK			1.62 H	360	107.5	4.4
3	*5745.00	101.7 AV			1.62 H	360	97.3	4.4
4	#5954.63	57.1 PK	68.2	-11.1	1.62 H	360	52.4	4.7
5	11490.00	56.9 PK	74.0	-17.1	1.42 H	75	43.4	13.5
6	11490.00	44.1 AV	54.0	-9.9	1.42 H	75	30.6	13.5
7	#17235.00	54.6 PK	74.0	-19.4	3.17 H	294	37.3	17.3
8	#17235.00	42.3 AV	54.0	-11.7	3.17 H	294	25.0	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	#5598.84	56.8 PK	68.2	-11.4	1.39 V	204	52.4	4.4
2	*5745.00	121.4 PK			1.39 V	204	117.0	4.4
3	*5745.00	111.2 AV			1.39 V	204	106.8	4.4
4	#6003.62	56.7 PK	68.2	-11.5	1.39 V	204	51.9	4.8
5	11490.00	60.2 PK	74.0	-13.8	1.76 V	30	46.7	13.5
6	11490.00	47.0 AV	54.0	-7.0	1.76 V	30	33.5	13.5
7	#17235.00	54.8 PK	74.0	-19.2	2.54 V	354	37.5	17.3
8	#17235.00	43.5 AV	54.0	-10.5	2.54 V	354	26.2	17.3

REMARKS:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5590.11	57.2 PK	68.2	-11.0	1.62 H	360	53.0	4.2
2	*5785.00	111.2 PK			1.63 H	360	106.8	4.4
3	*5785.00	101.3 AV			1.63 H	360	96.9	4.4
4	#5955.61	56.7 PK	68.2	-11.5	1.63 H	360	52.0	4.7
5	11570.00	56.2 PK	74.0	-17.8	1.50 H	80	42.7	13.5
6	11570.00	43.7 AV	54.0	-10.3	1.50 H	80	30.2	13.5
7	#17355.00	54.2 PK	74.0	-19.8	3.13 H	283	36.2	18.0
8	#17355.00	42.2 AV	54.0	-11.8	3.13 H	283	24.2	18.0
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5550.11	58.0 PK	68.2	-10.2	1.38 V	203	53.8	4.2
2	*5785.00	121.6 PK			1.38 V	203	117.2	4.4
3	*5785.00	111.4 AV			1.38 V	203	107.0	4.4
4	#6018.80	60.6 PK	68.2	-7.6	1.38 V	203	55.8	4.8
5	11570.00	59.9 PK	74.0	-14.1	1.84 V	33	46.4	13.5
6	11570.00	46.9 AV	54.0	-7.1	1.84 V	33	33.4	13.5
7	#17355.00	55.6 PK	74.0	-18.4	2.53 V	354	37.6	18.0
8	#17355.00	44.2 AV	54.0	-9.8	2.53 V	354	26.2	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5588.93	56.9 PK	68.2	-11.3	1.62 H	360	52.7	4.2
2	*5825.00	110.4 PK			1.62 H	360	106.0	4.4
3	*5825.00	100.7 AV			1.62 H	360	96.3	4.4
4	#6014.87	56.7 PK	68.2	-11.5	1.62 H	360	51.9	4.8
5	11650.00	55.9 PK	74.0	-18.1	1.39 H	93	42.2	13.7
6	11650.00	43.5 AV	54.0	-10.5	1.39 H	93	29.8	13.7
7	#17475.00	54.6 PK	74.0	-19.4	3.17 H	298	36.0	18.6
8	#17475.00	42.4 AV	54.0	-11.6	3.17 H	298	23.8	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	120.9 PK			1.61 V	202	116.5	4.4
2	*5825.00	110.6 AV			1.61 V	202	106.2	4.4
3	11650.00	59.6 PK	74.0	-14.4	1.82 V	25	45.9	13.7
4	11650.00	46.2 AV	54.0	-7.8	1.82 V	25	32.5	13.7
5	#17475.00	55.1 PK	74.0	-18.9	2.45 V	360	36.5	18.6
6	#17475.00	43.6 AV	54.0	-10.4	2.45 V	360	25.0	18.6
7	#5589.89	60.5 PK	68.2	-7.7	1.61 V	202	56.3	4.2
8	#5988.79	58.0 PK	68.2	-10.2	1.61 V	202	53.3	4.7

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.

802.11ac (VHT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	48.2 PK	74.0	-25.8	2.04 H	348	44.5	3.7
2	5150.00	36.7 AV	54.0	-17.3	2.04 H	348	33.0	3.7
3	*5180.00	98.4 PK			2.08 H	345	94.7	3.7
4	*5180.00	87.6 AV			2.08 H	345	83.9	3.7
5	#10360.00	48.7 PK	74.0	-25.3	1.45 H	334	35.7	13.0
6	#10360.00	38.8 AV	54.0	-15.2	1.45 H	334	25.8	13.0
7	15540.00	56.3 PK	74.0	-17.7	2.39 H	334	43.2	13.1
8	15540.00	45.5 AV	54.0	-8.5	2.39 H	334	32.4	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	48.5 PK	74.0	-25.5	1.24 V	358	44.8	3.7
2	5150.00	36.8 AV	54.0	-17.2	1.24 V	358	33.1	3.7
3	*5180.00	97.5 PK			1.33 V	360	93.8	3.7
4	*5180.00	87.2 AV			1.33 V	360	83.5	3.7
5	#10360.00	46.6 PK	74.0	-27.4	2.33 V	18	33.6	13.0
6	#10360.00	36.6 AV	54.0	-17.4	2.33 V	18	23.6	13.0
7	15540.00	54.2 PK	74.0	-19.8	3.85 V	265	41.1	13.1
8	15540.00	43.4 AV	54.0	-10.6	3.85 V	265	30.3	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	95.9 PK			2.03 H	345	92.2	3.7
2	*5200.00	85.9 AV			2.03 H	345	82.2	3.7
3	#10400.00	48.6 PK	74.0	-25.4	1.58 H	341	35.6	13.0
4	#10400.00	39.0 AV	54.0	-15.0	1.58 H	341	26.0	13.0
5	15600.00	55.9 PK	74.0	-18.1	2.48 H	336	42.6	13.3
6	15600.00	45.0 AV	54.0	-9.0	2.48 H	336	31.7	13.3
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	*5200.00	97.0 PK			1.39 V	350	93.3	3.7
2	*5200.00	86.7 AV			1.39 V	350	83.0	3.7
3	#10400.00	45.8 PK	74.0	-28.2	2.45 V	1	32.8	13.0
4	#10400.00	36.1 AV	54.0	-17.9	2.45 V	1	23.1	13.0
5	15600.00	54.7 PK	74.0	-19.3	3.89 V	294	41.4	13.3
6	15600.00	43.9 AV	54.0	-10.1	3.89 V	294	30.6	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	98.8 PK			2.06 H	360	95.0	3.8
2	*5240.00	88.2 AV			2.06 H	360	84.4	3.8
3	5350.00	47.7 PK	74.0	-26.3	2.02 H	360	43.6	4.1
4	5350.00	35.8 AV	54.0	-18.2	2.02 H	360	31.7	4.1
5	#10480.00	49.4 PK	74.0	-24.6	1.48 H	324	36.2	13.2
6	#10480.00	39.6 AV	54.0	-14.4	1.48 H	324	26.4	13.2
7	15720.00	55.9 PK	74.0	-18.1	2.44 H	321	42.3	13.6
8	15720.00	45.3 AV	54.0	-8.7	2.44 H	321	31.7	13.6
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	*5240.00	100.0 PK			1.23 V	335	96.2	3.8
2	*5240.00	88.9 AV			1.23 V	335	85.1	3.8
3	5350.00	49.5 PK	74.0	-24.5	1.22 V	343	45.4	4.1
4	5350.00	37.0 AV	54.0	-17.0	1.22 V	343	32.9	4.1
5	#10480.00	46.9 PK	74.0	-27.1	2.41 V	22	33.7	13.2
6	#10480.00	37.0 AV	54.0	-17.0	2.41 V	22	23.8	13.2
7	15720.00	54.2 PK	74.0	-19.8	3.92 V	305	40.6	13.6
8	15720.00	43.7 AV	54.0	-10.3	3.92 V	305	30.1	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5625.69	56.5 PK	68.2	-11.7	1.70 H	360	52.1	4.4
2	*5745.00	108.2 PK			1.70 H	360	103.8	4.4
3	*5745.00	98.8 AV			1.70 H	360	94.4	4.4
4	#5931.91	56.3 PK	68.2	-11.9	1.70 H	360	51.6	4.7
5	11490.00	56.8 PK	74.0	-17.2	1.56 H	99	43.3	13.5
6	11490.00	43.8 AV	54.0	-10.2	1.56 H	99	30.3	13.5
7	#17235.00	54.6 PK	74.0	-19.4	3.05 H	318	37.3	17.3
8	#17235.00	42.5 AV	54.0	-11.5	3.05 H	318	25.2	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5633.14	57.2 PK	68.2	-11.0	1.68 V	189	52.8	4.4
2	*5745.00	116.2 PK			1.68 V	189	111.8	4.4
3	*5745.00	106.3 AV			1.68 V	189	101.9	4.4
4	#5978.40	57.9 PK	68.2	-10.3	1.68 V	189	53.2	4.7
5	11490.00	60.0 PK	74.0	-14.0	1.87 V	10	46.5	13.5
6	11490.00	46.7 AV	54.0	-7.3	1.87 V	10	33.2	13.5
7	#17235.00	56.4 PK	74.0	-17.6	2.50 V	347	39.1	17.3
8	#17235.00	44.7 AV	54.0	-9.3	2.50 V	347	27.4	17.3

REMARKS:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5603.43	56.2 PK	68.2	-12.0	1.69 H	360	51.8	4.4
2	*5785.00	107.2 PK			1.69 H	360	102.8	4.4
3	*5785.00	97.7 AV			1.69 H	360	93.3	4.4
4	#5934.06	56.1 PK	68.2	-12.1	1.69 H	360	51.4	4.7
5	11570.00	55.8 PK	74.0	-18.2	1.46 H	118	42.3	13.5
6	11570.00	43.3 AV	54.0	-10.7	1.46 H	118	29.8	13.5
7	#17355.00	54.1 PK	74.0	-19.9	3.05 H	298	36.1	18.0
8	#17355.00	42.1 AV	54.0	-11.9	3.05 H	298	24.1	18.0
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	#5630.64	58.3 PK	68.2	-9.9	1.68 V	183	53.9	4.4
2	*5785.00	115.6 PK			1.68 V	183	111.2	4.4
3	*5785.00	105.3 AV			1.68 V	183	100.9	4.4
4	#5942.26	56.6 PK	68.2	-11.6	1.68 V	183	51.9	4.7
5	11570.00	60.2 PK	74.0	-13.8	1.87 V	18	46.7	13.5
6	11570.00	47.2 AV	54.0	-6.8	1.87 V	18	33.7	13.5
7	#17355.00	55.6 PK	74.0	-18.4	2.52 V	360	37.6	18.0
8	#17355.00	44.0 AV	54.0	-10.0	2.52 V	360	26.0	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5638.39	57.3 PK	68.2	-10.9	1.70 H	360	52.9	4.4
2	*5825.00	106.8 PK			1.70 H	360	102.4	4.4
3	*5825.00	97.2 AV			1.70 H	360	92.8	4.4
4	#5952.60	56.5 PK	68.2	-11.7	1.70 H	360	51.8	4.7
5	11650.00	56.3 PK	74.0	-17.7	1.48 H	121	42.6	13.7
6	11650.00	43.7 AV	54.0	-10.3	1.48 H	121	30.0	13.7
7	#17475.00	54.7 PK	74.0	-19.3	3.06 H	298	36.1	18.6
8	#17475.00	42.4 AV	54.0	-11.6	3.06 H	298	23.8	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5588.69	58.3 PK	68.2	-9.9	1.65 V	190	54.1	4.2
2	*5825.00	116.3 PK			1.65 V	190	111.9	4.4
3	*5825.00	105.8 AV			1.65 V	190	101.4	4.4
4	#5978.44	58.4 PK	68.2	-9.8	1.65 V	190	53.7	4.7
5	11650.00	59.8 PK	74.0	-14.2	1.87 V	7	46.1	13.7
6	11650.00	46.7 AV	54.0	-7.3	1.87 V	7	33.0	13.7
7	#17475.00	55.5 PK	74.0	-18.5	2.47 V	343	36.9	18.6
8	#17475.00	44.2 AV	54.0	-9.8	2.47 V	343	25.6	18.6

REMARKS:

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

802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	46.2 PK	74.0	-27.8	1.45 H	352	42.5	3.7
2	5150.00	36.5 AV	54.0	-17.5	1.45 H	352	32.8	3.7
3	*5190.00	95.8 PK			1.53 H	360	92.1	3.7
4	*5190.00	85.4 AV			1.53 H	360	81.7	3.7
5	5350.00	48.1 PK	74.0	-25.9	1.52 H	347	44.0	4.1
6	5350.00	36.9 AV	54.0	-17.1	1.52 H	347	32.8	4.1
7	#10380.00	49.4 PK	74.0	-24.6	1.58 H	309	36.3	13.1
8	#10380.00	39.8 AV	54.0	-14.2	1.58 H	309	26.7	13.1
9	15570.00	55.9 PK	74.0	-18.1	2.26 H	345	42.6	13.3
10	15570.00	45.6 AV	54.0	-8.4	2.26 H	345	32.3	13.3
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	5150.00	45.9 PK	74.0	-28.1	1.36 V	348	42.2	3.7
2	5150.00	36.6 AV	54.0	-17.4	1.36 V	348	32.9	3.7
3	*5190.00	96.7 PK			1.34 V	346	93.0	3.7
4	*5190.00	86.2 AV			1.34 V	346	82.5	3.7
5	5350.00	49.0 PK	74.0	-25.0	1.34 V	353	44.9	4.1
6	5350.00	37.3 AV	54.0	-16.7	1.34 V	353	33.2	4.1
7	#10380.00	45.4 PK	74.0	-28.6	2.28 V	39	32.3	13.1
8	#10380.00	36.0 AV	54.0	-18.0	2.28 V	39	22.9	13.1
9	15570.00	53.8 PK	74.0	-20.2	3.95 V	307	40.5	13.3
10	15570.00	43.0 AV	54.0	-11.0	3.95 V	307	29.7	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	97.0 PK			1.57 H	327	93.2	3.8
2	*5230.00	86.6 AV			1.57 H	327	82.8	3.8
3	5350.00	48.2 PK	74.0	-25.8	1.59 H	337	44.1	4.1
4	5350.00	37.6 AV	54.0	-16.4	1.59 H	337	33.5	4.1
5	#10460.00	48.6 PK	74.0	-25.4	1.60 H	301	35.5	13.1
6	#10460.00	38.7 AV	54.0	-15.3	1.60 H	301	25.6	13.1
7	15690.00	55.0 PK	74.0	-19.0	2.32 H	342	41.2	13.8
8	15690.00	44.4 AV	54.0	-9.6	2.32 H	342	30.6	13.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	97.3 PK			1.39 V	335	93.5	3.8
2	*5230.00	87.7 AV			1.39 V	335	83.9	3.8
3	5350.00	49.8 PK	74.0	-24.2	1.41 V	351	45.7	4.1
4	5350.00	38.1 AV	54.0	-15.9	1.41 V	351	34.0	4.1
5	#10460.00	46.9 PK	74.0	-27.1	2.25 V	40	33.8	13.1
6	#10460.00	37.3 AV	54.0	-16.7	2.25 V	40	24.2	13.1
7	15690.00	55.0 PK	74.0	-19.0	4.00 V	292	41.2	13.8
8	15690.00	44.1 AV	54.0	-9.9	4.00 V	292	30.3	13.8

REMARKS:

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

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5613.12	57.1 PK	68.2	-11.1	1.71 H	360	52.7	4.4
2	*5755.00	103.1 PK			1.71 H	360	98.7	4.4
3	*5755.00	94.4 AV			1.71 H	360	90.0	4.4
4	#5958.84	55.9 PK	68.2	-12.3	1.71 H	360	51.2	4.7
5	11510.00	56.2 PK	74.0	-17.8	1.43 H	92	42.6	13.6
6	11510.00	43.6 AV	54.0	-10.4	1.43 H	92	30.0	13.6
7	#17265.00	54.9 PK	74.0	-19.1	3.03 H	337	37.3	17.6
8	#17265.00	42.3 AV	54.0	-11.7	3.03 H	337	24.7	17.6
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	#5641.97	59.6 PK	68.2	-8.6	1.64 V	188	55.2	4.4
2	*5755.00	112.7 PK			1.64 V	188	108.3	4.4
3	*5755.00	103.2 AV			1.64 V	188	98.8	4.4
4	#6003.80	58.2 PK	68.2	-10.0	1.64 V	188	53.4	4.8
5	11510.00	59.9 PK	74.0	-14.1	1.90 V	9	46.3	13.6
6	11510.00	47.1 AV	54.0	-6.9	1.90 V	9	33.5	13.6
7	#17265.00	55.7 PK	74.0	-18.3	2.47 V	354	38.1	17.6
8	#17265.00	44.2 AV	54.0	-9.8	2.47 V	354	26.6	17.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5614.45	57.3 PK	68.2	-10.9	1.74 H	360	52.9	4.4
2	*5795.00	102.9 PK			1.74 H	360	98.5	4.4
3	*5795.00	94.3 AV			1.74 H	360	89.9	4.4
4	#5951.29	55.9 PK	68.2	-12.3	1.74 H	360	51.2	4.7
5	11590.00	56.3 PK	74.0	-17.7	1.47 H	80	42.8	13.5
6	11590.00	43.9 AV	54.0	-10.1	1.47 H	80	30.4	13.5
7	#17385.00	54.9 PK	74.0	-19.1	3.05 H	338	36.6	18.3
8	#17385.00	42.3 AV	54.0	-11.7	3.05 H	338	24.0	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5635.95	58.6 PK	68.2	-9.6	1.63 V	191	54.2	4.4
2	*5795.00	111.1 PK			1.63 V	191	106.7	4.4
3	*5795.00	102.8 AV			1.63 V	191	98.4	4.4
4	#5940.62	58.5 PK	68.2	-9.7	1.63 V	191	53.8	4.7
5	11590.00	59.6 PK	74.0	-14.4	1.86 V	25	46.1	13.5
6	11590.00	46.7 AV	54.0	-7.3	1.86 V	25	33.2	13.5
7	#17385.00	55.4 PK	74.0	-18.6	2.43 V	359	37.1	18.3
8	#17385.00	44.1 AV	54.0	-9.9	2.43 V	359	25.8	18.3

REMARKS:

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

802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	46.8 PK	74.0	-27.2	1.64 H	344	43.1	3.7
2	5150.00	37.9 AV	54.0	-16.1	1.64 H	344	34.2	3.7
3	*5210.00	91.5 PK			1.71 H	360	87.8	3.7
4	*5210.00	81.5 AV			1.71 H	360	77.8	3.7
5	5350.00	48.6 PK	74.0	-25.4	1.67 H	348	44.5	4.1
6	5350.00	37.6 AV	54.0	-16.4	1.67 H	348	33.5	4.1
7	#10420.00	48.5 PK	74.0	-25.5	1.45 H	351	35.4	13.1
8	#10420.00	38.7 AV	54.0	-15.3	1.45 H	351	25.6	13.1
9	15630.00	55.6 PK	74.0	-18.4	2.41 H	355	42.0	13.6
10	15630.00	44.5 AV	54.0	-9.5	2.41 H	355	30.9	13.6
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	5150.00	46.9 PK	74.0	-27.1	1.19 V	318	43.2	3.7
2	5150.00	37.8 AV	54.0	-16.2	1.19 V	318	34.1	3.7
3	*5210.00	93.2 PK			1.24 V	346	89.5	3.7
4	*5210.00	83.0 AV			1.24 V	346	79.3	3.7
5	5350.00	49.5 PK	74.0	-24.5	1.22 V	339	45.4	4.1
6	5350.00	37.6 AV	54.0	-16.4	1.22 V	339	33.5	4.1
7	#10420.00	46.4 PK	74.0	-27.6	2.18 V	30	33.3	13.1
8	#10420.00	36.6 AV	54.0	-17.4	2.18 V	30	23.5	13.1
9	15630.00	53.5 PK	74.0	-20.5	3.89 V	305	39.9	13.6
10	15630.00	42.9 AV	54.0	-11.1	3.89 V	305	29.3	13.6

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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5569.78	56.7 PK	68.2	-11.5	1.76 H	360	52.5	4.2
2	*5775.00	97.6 PK			1.76 H	360	93.2	4.4
3	*5775.00	88.7 AV			1.76 H	360	84.3	4.4
4	#5963.63	55.4 PK	68.2	-12.8	1.76 H	360	50.7	4.7
5	11550.00	56.4 PK	74.0	-17.6	1.48 H	105	42.9	13.5
6	11550.00	43.8 AV	54.0	-10.2	1.48 H	105	30.3	13.5
7	#17325.00	53.7 PK	74.0	-20.3	3.14 H	314	35.9	17.8
8	#17325.00	41.9 AV	54.0	-12.1	3.14 H	314	24.1	17.8
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	#5632.31	61.6 PK	68.2	-6.6	1.65 V	194	57.2	4.4
2	*5775.00	105.3 PK			1.65 V	194	100.9	4.4
3	*5775.00	96.5 AV			1.65 V	194	92.1	4.4
4	#5930.45	58.0 PK	68.2	-10.2	1.65 V	194	53.3	4.7
5	11550.00	60.8 PK	74.0	-13.2	1.74 V	0	47.3	13.5
6	11550.00	47.5 AV	54.0	-6.5	1.74 V	0	34.0	13.5
7	#17325.00	54.2 PK	74.0	-19.8	2.47 V	336	36.4	17.8
8	#17325.00	43.2 AV	54.0	-10.8	2.47 V	336	25.4	17.8

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.

Below 1GHz Data:

802.11a

CHANNEL	TX Channel 149	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	112.84	34.4 QP	43.5	-9.1	2.00 H	308	45.2	-10.8
2	142.13	31.1 QP	43.5	-12.4	2.00 H	116	39.5	-8.4
3	348.50	35.4 QP	46.0	-10.6	1.00 H	48	41.9	-6.5
4	383.76	37.9 QP	46.0	-8.1	2.00 H	351	43.6	-5.7
5	406.94	36.4 QP	46.0	-9.6	2.00 H	330	41.6	-5.2
6	438.27	36.2 QP	46.0	-9.8	2.00 H	93	40.1	-3.9
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	**45.74**	**36.4 QP**	**40.0**	**-3.6**	**1.00 V**	**222**	**44.7**	**-8.3**
2	113.13	33.5 QP	43.5	-10.0	1.00 V	308	44.3	-10.8
3	145.26	30.7 QP	43.5	-12.8	1.00 V	3	38.9	-8.2
4	346.15	40.1 QP	46.0	-5.9	1.50 V	328	46.6	-6.5
5	444.46	36.8 QP	46.0	-9.2	1.00 V	360	40.6	-3.8
6	484.08	37.8 QP	46.0	-8.2	1.00 V	30	41.2	-3.4

REMARKS:

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

4.1.10 Test Results (Mode 4)

Sector Antenna

Above 1GHz Data:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	52.4 PK	74.0	-21.6	1.37 H	315	48.7	3.7
2	5150.00	39.9 AV	54.0	-14.1	1.37 H	315	36.2	3.7
3	*5180.00	104.1 PK			1.37 H	315	100.4	3.7
4	*5180.00	93.4 AV			1.37 H	315	89.7	3.7
5	#10360.00	56.2 PK	74.0	-17.8	1.57 H	18	43.2	13.0
6	#10360.00	45.1 AV	54.0	-8.9	1.57 H	18	32.1	13.0
7	15540.00	54.4 PK	74.0	-19.6	1.25 H	261	41.3	13.1
8	15540.00	42.8 AV	54.0	-11.2	1.25 H	261	29.7	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5150.00	53.8 PK	74.0	-20.2	1.57 V	357	50.1	3.7
2	5150.00	41.5 AV	54.0	-12.5	1.57 V	357	37.8	3.7
3	*5180.00	105.6 PK			1.57 V	357	101.9	3.7
4	*5180.00	95.2 AV			1.57 V	357	91.5	3.7
5	#10360.00	56.1 PK	74.0	-17.9	1.60 V	26	43.1	13.0
6	#10360.00	45.1 AV	54.0	-8.9	1.60 V	26	32.1	13.0
7	15540.00	54.5 PK	74.0	-19.5	1.60 V	20	41.4	13.1
8	15540.00	42.7 AV	54.0	-11.3	1.60 V	20	29.6	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5125.00	50.7 PK	74.0	-23.3	1.43 H	311	47.2	3.5
2	5125.00	37.8 AV	54.0	-16.2	1.43 H	311	34.3	3.5
3	*5200.00	105.0 PK			1.43 H	311	101.3	3.7
4	*5200.00	93.8 AV			1.43 H	311	90.1	3.7
5	5353.00	50.1 PK	74.0	-23.9	1.43 H	311	46.0	4.1
6	5353.00	36.9 AV	54.0	-17.1	1.43 H	311	32.8	4.1
7	#10400.00	56.1 PK	74.0	-17.9	1.60 H	23	43.1	13.0
8	#10400.00	44.9 AV	54.0	-9.1	1.60 H	23	31.9	13.0
9	15600.00	54.8 PK	74.0	-19.2	1.23 H	251	41.5	13.3
10	15600.00	43.3 AV	54.0	-10.7	1.23 H	251	30.0	13.3
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	5125.00	51.2 PK	74.0	-22.8	1.32 V	354	47.7	3.5
2	5125.00	38.9 AV	54.0	-15.1	1.32 V	354	35.4	3.5
3	*5200.00	106.5 PK			1.32 V	354	102.8	3.7
4	*5200.00	95.6 AV			1.32 V	354	91.9	3.7
5	5353.00	50.9 PK	74.0	-23.1	1.32 V	354	46.8	4.1
6	5353.00	38.2 AV	54.0	-15.8	1.32 V	354	34.1	4.1
7	#10400.00	55.5 PK	74.0	-18.5	1.62 V	33	42.5	13.0
8	#10400.00	44.7 AV	54.0	-9.3	1.62 V	33	31.7	13.0
9	15600.00	54.8 PK	74.0	-19.2	1.63 V	15	41.5	13.3
10	15600.00	43.0 AV	54.0	-11.0	1.63 V	15	29.7	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	105.3 PK			1.35 H	303	101.5	3.8
2	*5240.00	94.1 AV			1.35 H	303	90.3	3.8
3	5350.00	50.7 PK	74.0	-23.3	1.35 H	303	46.6	4.1
4	5350.00	37.6 AV	54.0	-16.4	1.35 H	303	33.5	4.1
5	#10480.00	56.4 PK	74.0	-17.6	1.58 H	17	43.2	13.2
6	#10480.00	45.3 AV	54.0	-8.7	1.58 H	17	32.1	13.2
7	15720.00	54.7 PK	74.0	-19.3	1.22 H	250	41.1	13.6
8	15720.00	42.9 AV	54.0	-11.1	1.22 H	250	29.3	13.6
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	*5240.00	106.8 PK			1.47 V	356	103.0	3.8
2	*5240.00	95.9 AV			1.47 V	356	92.1	3.8
3	5350.00	51.9 PK	74.0	-22.1	1.47 V	356	47.8	4.1
4	5350.00	38.5 AV	54.0	-15.5	1.47 V	356	34.4	4.1
5	#10480.00	55.9 PK	74.0	-18.1	1.66 V	34	42.7	13.2
6	#10480.00	45.1 AV	54.0	-8.9	1.66 V	34	31.9	13.2
7	15720.00	54.4 PK	74.0	-19.6	1.59 V	24	40.8	13.6
8	15720.00	42.7 AV	54.0	-11.3	1.59 V	24	29.1	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5649.27	58.5 PK	68.2	-9.7	1.48 H	346	54.1	4.4
2	*5745.00	115.9 PK			1.48 H	346	111.5	4.4
3	*5745.00	106.7 AV			1.48 H	346	102.3	4.4
4	#5976.55	59.8 PK	68.2	-8.4	1.48 H	346	55.1	4.7
5	11490.00	58.3 PK	74.0	-15.7	1.49 H	126	44.8	13.5
6	11490.00	44.7 AV	54.0	-9.3	1.49 H	126	31.2	13.5
7	#17235.00	55.4 PK	74.0	-18.6	3.11 H	305	38.1	17.3
8	#17235.00	43.1 AV	54.0	-10.9	3.11 H	305	25.8	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	#5645.48	59.3 PK	68.2	-8.9	2.07 V	348	54.9	4.4
2	*5745.00	115.2 PK			2.07 V	348	110.8	4.4
3	*5745.00	105.9 AV			2.07 V	348	101.5	4.4
4	#5976.07	58.4 PK	68.2	-9.8	2.07 V	348	53.7	4.7
5	11490.00	59.4 PK	74.0	-14.6	1.87 V	41	45.9	13.5
6	11490.00	46.5 AV	54.0	-7.5	1.87 V	41	33.0	13.5
7	#17235.00	55.9 PK	74.0	-18.1	2.47 V	356	38.6	17.3
8	#17235.00	44.9 AV	54.0	-9.1	2.47 V	356	27.6	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 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5551.43	58.5 PK	68.2	-9.7	1.48 H	344	54.3	4.2
2	*5785.00	115.1 PK			1.47 H	344	110.7	4.4
3	*5785.00	105.7 AV			1.47 H	344	101.3	4.4
4	#6018.82	59.8 PK	68.2	-8.4	1.48 H	344	55.0	4.8
5	11570.00	57.9 PK	74.0	-16.1	1.49 H	119	44.4	13.5
6	11570.00	44.6 AV	54.0	-9.4	1.49 H	119	31.1	13.5
7	#17355.00	55.2 PK	74.0	-18.8	3.13 H	314	37.2	18.0
8	#17355.00	42.9 AV	54.0	-11.1	3.13 H	314	24.9	18.0
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	#5620.82	56.4 PK	68.2	-11.8	2.48 V	352	52.0	4.4
2	*5785.00	111.3 PK			2.48 V	352	106.9	4.4
3	*5785.00	103.5 AV			2.48 V	352	99.1	4.4
4	#6020.74	57.0 PK	68.2	-11.2	2.48 V	352	52.1	4.9
5	11570.00	59.0 PK	74.0	-15.0	1.87 V	50	45.5	13.5
6	11570.00	46.2 AV	54.0	-7.8	1.87 V	50	32.7	13.5
7	#17355.00	56.0 PK	74.0	-18.0	2.43 V	360	38.0	18.0
8	#17355.00	45.1 AV	54.0	-8.9	2.43 V	360	27.1	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5580.40	59.0 PK	68.2	-9.2	1.41 H	345	54.8	4.2
2	*5825.00	115.0 PK			1.42 H	342	110.6	4.4
3	*5825.00	105.3 AV			1.42 H	342	100.9	4.4
4	#5926.68	59.0 PK	68.2	-9.2	1.41 H	342	54.3	4.7
5	11650.00	58.2 PK	74.0	-15.8	1.51 H	119	44.5	13.7
6	11650.00	45.0 AV	54.0	-9.0	1.51 H	119	31.3	13.7
7	#17475.00	54.6 PK	74.0	-19.4	3.10 H	321	36.0	18.6
8	#17475.00	42.6 AV	54.0	-11.4	3.10 H	321	24.0	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5577.00	57.1 PK	68.2	-11.1	2.47 V	347	52.9	4.2
2	*5825.00	112.8 PK			2.47 V	347	108.4	4.4
3	*5825.00	104.0 AV			2.47 V	347	99.6	4.4
4	#5927.29	56.0 PK	68.2	-12.2	2.47 V	347	51.3	4.7
5	11650.00	58.9 PK	74.0	-15.1	1.89 V	59	45.2	13.7
6	11650.00	46.4 AV	54.0	-7.6	1.89 V	59	32.7	13.7
7	#17475.00	56.3 PK	74.0	-17.7	2.46 V	360	37.7	18.6
8	#17475.00	45.5 AV	54.0	-8.5	2.46 V	360	26.9	18.6

REMARKS:

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

802.11ac (VHT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.6 PK	74.0	-20.4	2.09 H	350	49.9	3.7
2	5150.00	41.2 AV	54.0	-12.8	2.09 H	350	37.5	3.7
3	*5180.00	107.3 PK			2.09 H	350	103.6	3.7
4	*5180.00	95.7 AV			2.09 H	350	92.0	3.7
5	#10360.00	55.9 PK	74.0	-18.1	1.61 H	41	42.9	13.0
6	#10360.00	44.9 AV	54.0	-9.1	1.61 H	41	31.9	13.0
7	15540.00	54.8 PK	74.0	-19.2	1.60 H	5	41.7	13.1
8	15540.00	43.2 AV	54.0	-10.8	1.60 H	5	30.1	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	52.7 PK	74.0	-21.3	1.61 V	357	49.0	3.7
2	5150.00	40.2 AV	54.0	-13.8	1.61 V	357	36.5	3.7
3	*5180.00	104.6 PK			1.61 V	357	100.9	3.7
4	*5180.00	93.2 AV			1.61 V	357	89.5	3.7
5	#10360.00	56.0 PK	74.0	-18.0	1.64 V	16	43.0	13.0
6	#10360.00	45.0 AV	54.0	-9.0	1.64 V	16	32.0	13.0
7	15540.00	55.3 PK	74.0	-18.7	1.25 V	250	42.2	13.1
8	15540.00	43.6 AV	54.0	-10.4	1.25 V	250	30.5	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5126.00	52.1 PK	74.0	-21.9	1.55 H	348	48.6	3.5
2	5126.00	38.9 AV	54.0	-15.1	1.55 H	348	35.4	3.5
3	*5200.00	107.6 PK			1.55 H	348	103.9	3.7
4	*5200.00	95.6 AV			1.55 H	348	91.9	3.7
5	5350.00	50.3 PK	74.0	-23.7	1.55 H	348	46.2	4.1
6	5350.00	37.8 AV	54.0	-16.2	1.55 H	348	33.7	4.1
7	#10400.00	55.8 PK	74.0	-18.2	1.57 H	33	42.8	13.0
8	#10400.00	45.1 AV	54.0	-8.9	1.57 H	33	32.1	13.0
9	15600.00	54.8 PK	74.0	-19.2	1.62 H	14	41.5	13.3
10	15600.00	42.8 AV	54.0	-11.2	1.62 H	14	29.5	13.3
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	5127.00	50.8 PK	74.0	-23.2	1.58 V	356	47.3	3.5
2	5127.00	37.9 AV	54.0	-16.1	1.58 V	356	34.4	3.5
3	*5200.00	105.3 PK			1.58 V	356	101.6	3.7
4	*5200.00	93.6 AV			1.58 V	356	89.9	3.7
5	5350.00	50.3 PK	74.0	-23.7	1.58 V	356	46.2	4.1
6	5350.00	37.2 AV	54.0	-16.8	1.58 V	356	33.1	4.1
7	#10400.00	55.8 PK	74.0	-18.2	1.61 V	9	42.8	13.0
8	#10400.00	44.5 AV	54.0	-9.5	1.61 V	9	31.5	13.0
9	15600.00	54.9 PK	74.0	-19.1	1.20 V	263	41.6	13.3
10	15600.00	43.6 AV	54.0	-10.4	1.20 V	263	30.3	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	107.3 PK			2.18 H	349	103.5	3.8
2	*5240.00	95.3 AV			2.18 H	349	91.5	3.8
3	5350.00	51.6 PK	74.0	-22.4	2.18 H	349	47.5	4.1
4	5350.00	38.8 AV	54.0	-15.2	2.18 H	349	34.7	4.1
5	#10480.00	55.9 PK	74.0	-18.1	1.60 H	28	42.7	13.2
6	#10480.00	44.9 AV	54.0	-9.1	1.60 H	28	31.7	13.2
7	15720.00	54.6 PK	74.0	-19.4	1.60 H	26	41.0	13.6
8	15720.00	42.7 AV	54.0	-11.3	1.60 H	26	29.1	13.6
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	*5240.00	106.8 PK			1.48 V	358	103.0	3.8
2	*5240.00	95.1 AV			1.48 V	358	91.3	3.8
3	5350.00	51.2 PK	74.0	-22.8	1.48 V	358	47.1	4.1
4	5350.00	37.8 AV	54.0	-16.2	1.48 V	358	33.7	4.1
5	#10480.00	56.5 PK	74.0	-17.5	1.57 V	33	43.3	13.2
6	#10480.00	45.1 AV	54.0	-8.9	1.57 V	33	31.9	13.2
7	15720.00	54.6 PK	74.0	-19.4	1.29 V	261	41.0	13.6
8	15720.00	42.8 AV	54.0	-11.2	1.29 V	261	29.2	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5577.55	58.0 PK	68.2	-10.2	1.52 H	345	53.8	4.2
2	*5745.00	115.0 PK			1.52 H	345	110.6	4.4
3	*5745.00	105.8 AV			1.52 H	345	101.4	4.4
4	#5978.45	59.2 PK	68.2	-9.0	1.52 H	345	54.5	4.7
5	11490.00	58.0 PK	74.0	-16.0	1.52 H	131	44.5	13.5
6	11490.00	45.0 AV	54.0	-9.0	1.52 H	131	31.5	13.5
7	#17235.00	55.1 PK	74.0	-18.9	3.11 H	294	37.8	17.3
8	#17235.00	42.8 AV	54.0	-11.2	3.11 H	294	25.5	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5585.38	55.7 PK	68.2	-12.5	2.47 V	344	51.5	4.2
2	*5745.00	112.3 PK			2.47 V	344	107.9	4.4
3	*5745.00	103.7 AV			2.47 V	344	99.3	4.4
4	#5992.80	57.1 PK	68.2	-11.1	2.47 V	344	52.4	4.7
5	11490.00	58.6 PK	74.0	-15.4	1.89 V	42	45.1	13.5
6	11490.00	46.1 AV	54.0	-7.9	1.89 V	42	32.6	13.5
7	#17235.00	56.1 PK	74.0	-17.9	2.39 V	360	38.8	17.3
8	#17235.00	45.0 AV	54.0	-9.0	2.39 V	360	27.7	17.3

REMARKS:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5551.92	58.5 PK	68.2	-9.7	1.78 H	343	54.3	4.2
2	*5785.00	113.7 PK			1.78 H	343	109.3	4.4
3	*5785.00	104.8 AV			1.78 H	343	100.4	4.4
4	#6017.65	58.4 PK	68.2	-9.8	1.78 H	343	53.6	4.8
5	11570.00	58.2 PK	74.0	-15.8	1.55 H	142	44.7	13.5
6	11570.00	44.7 AV	54.0	-9.3	1.55 H	142	31.2	13.5
7	#17355.00	55.0 PK	74.0	-19.0	3.13 H	307	37.0	18.0
8	#17355.00	43.1 AV	54.0	-10.9	3.13 H	307	25.1	18.0
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	#5643.24	57.8 PK	68.2	-10.4	2.46 V	360	53.4	4.4
2	*5785.00	111.7 PK			2.46 V	360	107.3	4.4
3	*5785.00	103.0 AV			2.46 V	360	98.6	4.4
4	#6020.87	56.9 PK	68.2	-11.3	2.46 V	360	52.0	4.9
5	11570.00	58.4 PK	74.0	-15.6	1.93 V	41	44.9	13.5
6	11570.00	46.1 AV	54.0	-7.9	1.93 V	41	32.6	13.5
7	#17355.00	56.4 PK	74.0	-17.6	2.45 V	360	38.4	18.0
8	#17355.00	45.5 AV	54.0	-8.5	2.45 V	360	27.5	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5575.39	58.0 PK	68.2	-10.2	1.81 H	341	53.8	4.2
2	*5825.00	114.3 PK			1.81 H	341	109.9	4.4
3	*5825.00	104.9 AV			1.81 H	341	100.5	4.4
4	#5934.23	57.4 PK	68.2	-10.8	1.81 H	341	52.7	4.7
5	11650.00	58.4 PK	74.0	-15.6	1.54 H	141	44.7	13.7
6	11650.00	45.1 AV	54.0	-8.9	1.54 H	141	31.4	13.7
7	#17475.00	55.5 PK	74.0	-18.5	3.13 H	300	36.9	18.6
8	#17475.00	43.2 AV	54.0	-10.8	3.13 H	300	24.6	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5590.08	57.4 PK	68.2	-10.8	2.46 V	347	53.2	4.2
2	*5825.00	112.1 PK			2.46 V	347	107.7	4.4
3	*5825.00	103.3 AV			2.46 V	347	98.9	4.4
4	#6000.62	56.6 PK	68.2	-11.6	2.46 V	347	51.8	4.8
5	11650.00	59.3 PK	74.0	-14.7	1.86 V	57	45.6	13.7
6	11650.00	46.6 AV	54.0	-7.4	1.86 V	57	32.9	13.7
7	#17475.00	55.7 PK	74.0	-18.3	2.45 V	350	37.1	18.6
8	#17475.00	44.7 AV	54.0	-9.3	2.45 V	350	26.1	18.6

REMARKS:

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

802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.6 PK	74.0	-14.4	1.45 H	357	55.9	3.7
2	5150.00	43.3 AV	54.0	-10.7	1.45 H	357	39.6	3.7
3	*5190.00	103.5 PK			1.45 H	357	99.8	3.7
4	*5190.00	92.2 AV			1.45 H	357	88.5	3.7
5	5350.00	52.2 PK	74.0	-21.8	1.45 H	357	48.1	4.1
6	5350.00	40.1 AV	54.0	-13.9	1.45 H	357	36.0	4.1
7	#10380.00	56.5 PK	74.0	-17.5	1.64 H	18	43.4	13.1
8	#10380.00	45.1 AV	54.0	-8.9	1.64 H	18	32.0	13.1
9	15570.00	55.1 PK	74.0	-18.9	1.23 H	262	41.8	13.3
10	15570.00	43.7 AV	54.0	-10.3	1.23 H	262	30.4	13.3
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	5150.00	60.7 PK	74.0	-13.3	1.29 V	357	57.0	3.7
2	5150.00	43.4 AV	54.0	-10.6	1.29 V	357	39.7	3.7
3	*5190.00	104.1 PK			1.29 V	357	100.4	3.7
4	*5190.00	92.7 AV			1.29 V	357	89.0	3.7
5	5418.00	53.7 PK	74.0	-20.3	1.29 V	357	49.6	4.1
6	5418.00	40.4 AV	54.0	-13.6	1.29 V	357	36.3	4.1
7	#10380.00	55.4 PK	74.0	-18.6	1.66 V	41	42.3	13.1
8	#10380.00	44.9 AV	54.0	-9.1	1.66 V	41	31.8	13.1
9	15570.00	55.3 PK	74.0	-18.7	1.62 V	3	42.0	13.3
10	15570.00	43.4 AV	54.0	-10.6	1.62 V	3	30.1	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	103.2 PK			1.35 H	347	99.4	3.8
2	*5230.00	91.4 AV			1.35 H	347	87.6	3.8
3	5383.00	50.8 PK	74.0	-23.2	1.35 H	347	46.7	4.1
4	5383.00	38.7 AV	54.0	-15.3	1.35 H	347	34.6	4.1
5	#10460.00	56.2 PK	74.0	-17.8	1.55 H	13	43.1	13.1
6	#10460.00	45.1 AV	54.0	-8.9	1.55 H	13	32.0	13.1
7	15690.00	55.2 PK	74.0	-18.8	1.26 H	258	41.4	13.8
8	15690.00	43.6 AV	54.0	-10.4	1.26 H	258	29.8	13.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	104.7 PK			1.40 V	356	100.9	3.8
2	*5230.00	92.7 AV			1.40 V	356	88.9	3.8
3	5383.00	53.0 PK	74.0	-21.0	1.40 V	356	48.9	4.1
4	5383.00	40.5 AV	54.0	-13.5	1.40 V	356	36.4	4.1
5	#10460.00	55.7 PK	74.0	-18.3	1.59 V	41	42.6	13.1
6	#10460.00	45.1 AV	54.0	-8.9	1.59 V	41	32.0	13.1
7	15690.00	54.5 PK	74.0	-19.5	1.59 V	23	40.7	13.8
8	15690.00	42.7 AV	54.0	-11.3	1.59 V	23	28.9	13.8

REMARKS:

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

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5646.10	60.0 PK	68.2	-8.2	1.83 H	343	55.6	4.4
2	*5755.00	111.5 PK			1.83 H	343	107.1	4.4
3	*5755.00	102.1 AV			1.83 H	343	97.7	4.4
4	#5988.38	57.5 PK	68.2	-10.7	1.83 H	343	52.8	4.7
5	11510.00	57.7 PK	74.0	-16.3	1.56 H	135	44.1	13.6
6	11510.00	44.3 AV	54.0	-9.7	1.56 H	135	30.7	13.6
7	#17265.00	55.3 PK	74.0	-18.7	3.19 H	308	37.7	17.6
8	#17265.00	43.2 AV	54.0	-10.8	3.19 H	308	25.6	17.6
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	#5645.07	57.8 PK	68.2	-10.4	2.39 V	360	53.4	4.4
2	*5755.00	109.8 PK			2.39 V	360	105.4	4.4
3	*5755.00	100.5 AV			2.39 V	360	96.1	4.4
4	#5984.41	57.5 PK	68.2	-10.7	2.39 V	360	52.8	4.7
5	11510.00	58.4 PK	74.0	-15.6	1.84 V	46	44.8	13.6
6	11510.00	45.7 AV	54.0	-8.3	1.84 V	46	32.1	13.6
7	#17265.00	56.1 PK	74.0	-17.9	2.39 V	360	38.5	17.6
8	#17265.00	45.4 AV	54.0	-8.6	2.39 V	360	27.8	17.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5626.70	58.6 PK	68.2	-9.6	1.86 H	342	54.2	4.4
2	*5795.00	110.2 PK			1.86 H	342	105.8	4.4
3	*5795.00	101.5 AV			1.86 H	342	97.1	4.4
4	#5936.48	58.4 PK	68.2	-9.8	1.86 H	342	53.7	4.7
5	11590.00	57.5 PK	74.0	-16.5	1.48 H	114	44.0	13.5
6	11590.00	44.4 AV	54.0	-9.6	1.48 H	114	30.9	13.5
7	#17385.00	54.8 PK	74.0	-19.2	3.16 H	307	36.5	18.3
8	#17385.00	43.0 AV	54.0	-11.0	3.16 H	307	24.7	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5629.35	57.4 PK	68.2	-10.8	2.37 V	347	53.0	4.4
2	*5795.00	108.3 PK			2.37 V	347	103.9	4.4
3	*5795.00	99.4 AV			2.37 V	347	95.0	4.4
4	#5956.64	57.6 PK	68.2	-10.6	2.37 V	347	52.9	4.7
5	11590.00	58.7 PK	74.0	-15.3	1.87 V	41	45.2	13.5
6	11590.00	46.0 AV	54.0	-8.0	1.87 V	41	32.5	13.5
7	#17385.00	56.0 PK	74.0	-18.0	2.46 V	357	37.7	18.3
8	#17385.00	45.1 AV	54.0	-8.9	2.46 V	357	26.8	18.3

REMARKS:

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

802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.4 PK	74.0	-17.6	1.48 H	348	52.7	3.7
2	5150.00	44.1 AV	54.0	-9.9	1.48 H	348	40.4	3.7
3	*5210.00	100.2 PK			1.48 H	348	96.5	3.7
4	*5210.00	90.9 AV			1.48 H	348	87.2	3.7
5	5350.00	52.2 PK	74.0	-21.8	1.48 H	348	48.1	4.1
6	5350.00	41.3 AV	54.0	-12.7	1.48 H	348	37.2	4.1
7	#10420.00	56.3 PK	74.0	-17.7	1.55 H	37	43.2	13.1
8	#10420.00	44.8 AV	54.0	-9.2	1.55 H	37	31.7	13.1
9	15630.00	54.6 PK	74.0	-19.4	1.23 H	264	41.0	13.6
10	15630.00	43.0 AV	54.0	-11.0	1.23 H	264	29.4	13.6
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	5150.00	59.1 PK	74.0	-14.9	1.50 V	359	55.4	3.7
2	5150.00	44.9 AV	54.0	-9.1	1.50 V	359	41.2	3.7
3	*5210.00	100.5 PK			1.50 V	359	96.8	3.7
4	*5210.00	91.4 AV			1.50 V	359	87.7	3.7
5	5350.00	44.4 PK	74.0	-29.6	1.50 V	359	40.3	4.1
6	5350.00	32.3 AV	54.0	-21.7	1.50 V	359	28.2	4.1
7	#10420.00	55.2 PK	74.0	-18.8	1.67 V	31	42.1	13.1
8	#10420.00	44.7 AV	54.0	-9.3	1.67 V	31	31.6	13.1
9	15630.00	55.4 PK	74.0	-18.6	1.68 V	29	41.8	13.6
10	15630.00	43.4 AV	54.0	-10.6	1.68 V	29	29.8	13.6

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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5646.03	60.3 PK	68.2	-7.9	1.83 H	344	55.9	4.4
2	*5775.00	105.6 PK			1.83 H	344	101.2	4.4
3	*5775.00	97.2 AV			1.83 H	344	92.8	4.4
4	#5928.08	59.6 PK	68.2	-8.6	1.83 H	344	54.9	4.7
5	11550.00	57.8 PK	74.0	-16.2	1.48 H	133	44.3	13.5
6	11550.00	44.8 AV	54.0	-9.2	1.48 H	133	31.3	13.5
7	#17325.00	55.6 PK	74.0	-18.4	3.08 H	303	37.8	17.8
8	#17325.00	43.2 AV	54.0	-10.8	3.08 H	303	25.4	17.8
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	#5641.09	59.1 PK	68.2	-9.1	2.32 V	344	54.7	4.4
2	*5775.00	104.6 PK			2.32 V	344	100.2	4.4
3	*5775.00	96.2 AV			2.32 V	344	91.8	4.4
4	#5936.80	58.6 PK	68.2	-9.6	2.31 V	344	53.9	4.7
5	11550.00	59.4 PK	74.0	-14.6	1.85 V	49	45.9	13.5
6	11550.00	46.5 AV	54.0	-7.5	1.85 V	49	33.0	13.5
7	#17325.00	56.6 PK	74.0	-17.4	2.39 V	360	38.8	17.8
8	#17325.00	45.5 AV	54.0	-8.5	2.39 V	360	27.7	17.8

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.

Below 1GHz Data:

802.11a

CHANNEL	TX Channel 149	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	112.81	35.5 QP	43.5	-8.0	2.00 H	298	46.3	-10.8
2	139.25	34.8 QP	43.5	-8.7	2.00 H	105	43.4	-8.6
3	207.41	34.1 QP	43.5	-9.4	1.50 H	204	45.7	-11.6
4	389.14	37.4 QP	46.0	-8.6	2.00 H	322	43.0	-5.6
5	410.75	37.0 QP	46.0	-9.0	2.00 H	294	42.1	-5.1
6	487.06	35.3 QP	46.0	-10.7	2.00 H	149	38.7	-3.4
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	45.79	34.8 QP	40.0	-5.2	1.00 V	322	43.1	-8.3
2	106.70	34.9 QP	43.5	-8.6	1.00 V	229	46.3	-11.4
3	347.07	39.7 QP	46.0	-6.3	1.00 V	303	46.2	-6.5
4	385.12	42.6 QP	46.0	-3.4	1.00 V	248	48.3	-5.7
5	423.36	37.4 QP	46.0	-8.6	1.00 V	253	41.9	-4.5
6	487.09	37.7 QP	46.0	-8.3	1.00 V	3	41.1	-3.4

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

Omnidirectional Antenna

Above 1GHz Data:

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.9 PK	74.0	-20.1	1.55 H	349	50.2	3.7
2	5150.00	41.8 AV	54.0	-12.2	1.55 H	349	38.1	3.7
3	*5180.00	104.4 PK			1.55 H	349	100.7	3.7
4	*5180.00	94.3 AV			1.55 H	349	90.6	3.7
5	#10360.00	56.5 PK	74.0	-17.5	1.58 H	23	43.5	13.0
6	#10360.00	45.3 AV	54.0	-8.7	1.58 H	23	32.3	13.0
7	15540.00	54.3 PK	74.0	-19.7	1.65 H	15	41.2	13.1
8	15540.00	42.5 AV	54.0	-11.5	1.65 H	15	29.4	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	52.1 PK	74.0	-21.9	1.35 V	318	48.4	3.7
2	5150.00	39.8 AV	54.0	-14.2	1.35 V	318	36.1	3.7
3	*5180.00	103.5 PK			1.35 V	318	99.8	3.7
4	*5180.00	92.9 AV			1.35 V	318	89.2	3.7
5	#10360.00	56.4 PK	74.0	-17.6	1.52 V	23	43.4	13.0
6	#10360.00	45.3 AV	54.0	-8.7	1.52 V	23	32.3	13.0
7	15540.00	54.5 PK	74.0	-19.5	1.27 V	256	41.4	13.1
8	15540.00	43.0 AV	54.0	-11.0	1.27 V	256	29.9	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	50.9 PK	74.0	-23.1	1.27 H	343	47.2	3.7
2	5150.00	38.9 AV	54.0	-15.1	1.27 H	343	35.2	3.7
3	*5200.00	105.2 PK			1.27 H	343	101.5	3.7
4	*5200.00	94.3 AV			1.27 H	343	90.6	3.7
5	5350.00	51.1 PK	74.0	-22.9	1.27 H	343	47.0	4.1
6	5350.00	38.5 AV	54.0	-15.5	1.27 H	343	34.4	4.1
7	#10400.00	55.3 PK	74.0	-18.7	1.63 H	35	42.3	13.0
8	#10400.00	44.5 AV	54.0	-9.5	1.63 H	35	31.5	13.0
9	15600.00	54.5 PK	74.0	-19.5	1.65 H	9	41.2	13.3
10	15600.00	42.6 AV	54.0	-11.4	1.65 H	9	29.3	13.3
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	5150.00	51.1 PK	74.0	-22.9	1.40 V	323	47.4	3.7
2	5150.00	37.9 AV	54.0	-16.1	1.40 V	323	34.2	3.7
3	*5200.00	104.5 PK			1.40 V	323	100.8	3.7
4	*5200.00	93.1 AV			1.40 V	323	89.4	3.7
5	5350.00	50.7 PK	74.0	-23.3	1.40 V	323	46.6	4.1
6	5350.00	37.4 AV	54.0	-16.6	1.40 V	323	33.3	4.1
7	#10400.00	56.0 PK	74.0	-18.0	1.61 V	8	43.0	13.0
8	#10400.00	45.0 AV	54.0	-9.0	1.61 V	8	32.0	13.0
9	15600.00	55.4 PK	74.0	-18.6	1.19 V	247	42.1	13.3
10	15600.00	43.7 AV	54.0	-10.3	1.19 V	247	30.4	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	106.0 PK			1.50 H	350	102.2	3.8
2	*5240.00	94.9 AV			1.50 H	350	91.1	3.8
3	5350.00	51.4 PK	74.0	-22.6	1.50 H	350	47.3	4.1
4	5350.00	38.1 AV	54.0	-15.9	1.50 H	350	34.0	4.1
5	#10480.00	55.8 PK	74.0	-18.2	1.60 H	24	42.6	13.2
6	#10480.00	45.0 AV	54.0	-9.0	1.60 H	24	31.8	13.2
7	15720.00	54.6 PK	74.0	-19.4	1.60 H	13	41.0	13.6
8	15720.00	42.8 AV	54.0	-11.2	1.60 H	13	29.2	13.6
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	*5240.00	104.8 PK			1.37 V	292	101.0	3.8
2	*5240.00	93.4 AV			1.37 V	292	89.6	3.8
3	5350.00	51.2 PK	74.0	-22.8	1.37 V	292	47.1	4.1
4	5350.00	37.8 AV	54.0	-16.2	1.37 V	292	33.7	4.1
5	#10480.00	56.9 PK	74.0	-17.1	1.55 V	11	43.7	13.2
6	**#10480.00**	**45.6 AV**	**54.0**	**-8.4**	**1.55 V**	**11**	**32.4**	**13.2**
7	15720.00	55.1 PK	74.0	-18.9	1.17 V	242	41.5	13.6
8	15720.00	43.4 AV	54.0	-10.6	1.17 V	242	29.8	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5627.43	55.4 PK	68.2	-12.8	2.26 H	114	51.0	4.4
2	*5745.00	105.4 PK			2.26 H	114	101.0	4.4
3	*5745.00	95.1 AV			2.26 H	114	90.7	4.4
4	#5981.72	55.3 PK	68.2	-12.9	2.26 H	114	50.6	4.7
5	11490.00	58.8 PK	74.0	-15.2	2.11 H	36	45.3	13.5
6	11490.00	46.1 AV	54.0	-7.9	2.11 H	36	32.6	13.5
7	#17235.00	55.7 PK	74.0	-18.3	1.79 H	289	38.4	17.3
8	#17235.00	44.6 AV	54.0	-9.4	1.79 H	289	27.3	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	#5597.57	56.5 PK	68.2	-11.7	1.58 V	360	52.1	4.4
2	*5745.00	110.5 PK			1.58 V	360	106.1	4.4
3	*5745.00	100.4 AV			1.58 V	360	96.0	4.4
4	#5976.97	56.4 PK	68.2	-11.8	1.58 V	360	51.7	4.7
5	11490.00	58.1 PK	74.0	-15.9	1.68 V	256	44.6	13.5
6	11490.00	44.6 AV	54.0	-9.4	1.68 V	256	31.1	13.5
7	#17235.00	55.2 PK	74.0	-18.8	2.44 V	175	37.9	17.3
8	#17235.00	42.7 AV	54.0	-11.3	2.44 V	175	25.4	17.3

REMARKS:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5576.65	55.4 PK	68.2	-12.8	2.26 H	112	51.2	4.2
2	*5785.00	104.9 PK			2.26 H	112	100.5	4.4
3	*5785.00	94.9 AV			2.26 H	112	90.5	4.4
4	#5935.28	55.1 PK	68.2	-13.1	2.26 H	112	50.4	4.7
5	11570.00	58.7 PK	74.0	-15.3	2.15 H	37	45.2	13.5
6	11570.00	45.7 AV	54.0	-8.3	2.15 H	37	32.2	13.5
7	#17355.00	56.0 PK	74.0	-18.0	1.76 H	285	38.0	18.0
8	#17355.00	44.7 AV	54.0	-9.3	1.76 H	285	26.7	18.0
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	#5551.73	54.0 PK	68.2	-14.2	1.56 V	360	49.8	4.2
2	*5785.00	111.3 PK			1.56 V	360	106.9	4.4
3	*5785.00	100.6 AV			1.56 V	360	96.2	4.4
4	#6018.85	52.4 PK	68.2	-15.8	1.56 V	360	47.6	4.8
5	11570.00	57.8 PK	74.0	-16.2	1.72 V	262	44.3	13.5
6	11570.00	44.3 AV	54.0	-9.7	1.72 V	262	30.8	13.5
7	#17355.00	54.9 PK	74.0	-19.1	2.40 V	165	36.9	18.0
8	#17355.00	42.3 AV	54.0	-11.7	2.40 V	165	24.3	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5608.67	55.0 PK	68.2	-13.2	2.23 H	104	50.6	4.4
2	*5825.00	105.6 PK			2.23 H	104	101.2	4.4
3	*5825.00	95.2 AV			2.23 H	104	90.8	4.4
4	#5975.10	55.1 PK	68.2	-13.1	2.23 H	104	50.4	4.7
5	11650.00	58.9 PK	74.0	-15.1	2.15 H	35	45.2	13.7
6	11650.00	46.3 AV	54.0	-7.7	2.15 H	35	32.6	13.7
7	#17475.00	55.8 PK	74.0	-18.2	1.74 H	299	37.2	18.6
8	#17475.00	44.7 AV	54.0	-9.3	1.74 H	299	26.1	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5589.39	56.7 PK	68.2	-11.5	1.52 V	360	52.5	4.2
2	*5825.00	109.9 PK			1.52 V	360	105.5	4.4
3	*5825.00	100.2 AV			1.52 V	360	95.8	4.4
4	#5991.82	55.3 PK	68.2	-12.9	1.52 V	360	50.6	4.7
5	11650.00	58.4 PK	74.0	-15.6	1.73 V	245	44.7	13.7
6	11650.00	44.9 AV	54.0	-9.1	1.73 V	245	31.2	13.7
7	#17475.00	55.7 PK	74.0	-18.3	2.42 V	178	37.1	18.6
8	#17475.00	43.0 AV	54.0	-11.0	2.42 V	178	24.4	18.6

REMARKS:

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

802.11ac (VHT20)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	52.5 PK	74.0	-21.5	1.56 H	360	48.8	3.7
2	5150.00	39.8 AV	54.0	-14.2	1.56 H	360	36.1	3.7
3	*5180.00	103.4 PK			1.56 H	360	99.7	3.7
4	*5180.00	92.1 AV			1.56 H	360	88.4	3.7
5	#10360.00	56.0 PK	74.0	-18.0	1.68 H	22	43.0	13.0
6	#10360.00	45.3 AV	54.0	-8.7	1.68 H	22	32.3	13.0
7	15540.00	55.7 PK	74.0	-18.3	1.30 H	248	42.6	13.1
8	15540.00	44.1 AV	54.0	-9.9	1.30 H	248	31.0	13.1
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.9 PK	74.0	-20.1	2.13 V	345	50.2	3.7
2	5150.00	41.3 AV	54.0	-12.7	2.13 V	345	37.6	3.7
3	*5180.00	106.2 PK			2.13 V	345	102.5	3.7
4	*5180.00	94.6 AV			2.13 V	345	90.9	3.7
5	#10360.00	56.1 PK	74.0	-17.9	1.64 V	41	43.1	13.0
6	#10360.00	44.8 AV	54.0	-9.2	1.64 V	41	31.8	13.0
7	15540.00	54.4 PK	74.0	-19.6	1.62 V	19	41.3	13.1
8	15540.00	42.9 AV	54.0	-11.1	1.62 V	19	29.8	13.1

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	50.8 PK	74.0	-23.2	1.54 H	341	47.1	3.7
2	5150.00	38.0 AV	54.0	-16.0	1.54 H	341	34.3	3.7
3	*5200.00	104.3 PK			1.54 H	341	100.6	3.7
4	*5200.00	92.5 AV			1.54 H	341	88.8	3.7
5	5350.00	50.1 PK	74.0	-23.9	1.54 H	341	46.0	4.1
6	5350.00	37.1 AV	54.0	-16.9	1.54 H	341	33.0	4.1
7	#10400.00	56.0 PK	74.0	-18.0	1.60 H	3	43.0	13.0
8	#10400.00	44.9 AV	54.0	-9.1	1.60 H	3	31.9	13.0
9	15600.00	54.7 PK	74.0	-19.3	1.21 H	252	41.4	13.3
10	15600.00	43.6 AV	54.0	-10.4	1.21 H	252	30.3	13.3
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	5150.00	51.9 PK	74.0	-22.1	1.55 V	336	48.2	3.7
2	5150.00	38.7 AV	54.0	-15.3	1.55 V	336	35.0	3.7
3	*5200.00	107.1 PK			1.55 V	336	103.4	3.7
4	*5200.00	95.0 AV			1.55 V	336	91.3	3.7
5	5350.00	50.7 PK	74.0	-23.3	1.55 V	336	46.6	4.1
6	5350.00	37.9 AV	54.0	-16.1	1.55 V	336	33.8	4.1
7	#10400.00	55.4 PK	74.0	-18.6	1.59 V	33	42.4	13.0
8	#10400.00	44.6 AV	54.0	-9.4	1.59 V	33	31.6	13.0
9	15600.00	54.5 PK	74.0	-19.5	1.64 V	9	41.2	13.3
10	15600.00	42.4 AV	54.0	-11.6	1.64 V	9	29.1	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	106.3 PK			1.53 H	346	102.5	3.8
2	*5240.00	94.3 AV			1.53 H	346	90.5	3.8
3	5350.00	51.6 PK	74.0	-22.4	1.53 H	346	47.5	4.1
4	5350.00	38.0 AV	54.0	-16.0	1.53 H	346	33.9	4.1
5	#10480.00	57.0 PK	74.0	-17.0	1.56 H	24	43.8	13.2
6	#10480.00	45.6 AV	54.0	-8.4	1.56 H	24	32.4	13.2
7	15720.00	54.9 PK	74.0	-19.1	1.34 H	264	41.3	13.6
8	15720.00	43.0 AV	54.0	-11.0	1.34 H	264	29.4	13.6
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	*5240.00	106.3 PK			2.18 V	342	102.5	3.8
2	*5240.00	94.5 AV			2.18 V	342	90.7	3.8
3	5350.00	51.6 PK	74.0	-22.4	2.18 V	342	47.5	4.1
4	5350.00	38.8 AV	54.0	-15.2	2.18 V	342	34.7	4.1
5	#10480.00	56.2 PK	74.0	-17.8	1.61 V	27	43.0	13.2
6	#10480.00	45.3 AV	54.0	-8.7	1.61 V	27	32.1	13.2
7	15720.00	55.0 PK	74.0	-19.0	1.61 V	13	41.4	13.6
8	15720.00	42.8 AV	54.0	-11.2	1.61 V	13	29.2	13.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5618.61	56.2 PK	68.2	-12.0	2.22 H	114	51.8	4.4
2	*5745.00	104.6 PK			2.22 H	114	100.2	4.4
3	*5745.00	95.2 AV			2.22 H	114	90.8	4.4
4	#6008.83	55.2 PK	68.2	-13.0	2.22 H	114	50.4	4.8
5	11490.00	58.9 PK	74.0	-15.1	2.09 H	34	45.4	13.5
6	11490.00	46.5 AV	54.0	-7.5	2.09 H	34	33.0	13.5
7	#17235.00	55.4 PK	74.0	-18.6	1.81 H	282	38.1	17.3
8	#17235.00	44.5 AV	54.0	-9.5	1.81 H	282	27.2	17.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5588.34	56.0 PK	68.2	-12.2	2.07 V	360	51.8	4.2
2	*5745.00	112.1 PK			2.07 V	360	107.7	4.4
3	*5745.00	101.4 AV			2.07 V	360	97.0	4.4
4	#6024.00	56.1 PK	68.2	-12.1	2.07 V	360	51.3	4.8
5	11490.00	57.5 PK	74.0	-16.5	1.70 V	268	44.0	13.5
6	11490.00	44.2 AV	54.0	-9.8	1.70 V	268	30.7	13.5
7	#17235.00	55.3 PK	74.0	-18.7	2.40 V	183	38.0	17.3
8	#17235.00	42.7 AV	54.0	-11.3	2.40 V	183	25.4	17.3

REMARKS:

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

CHANNEL	TX Channel 157	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5560.19	56.2 PK	68.2	-12.0	2.19 H	112	52.0	4.2
2	*5785.00	104.3 PK			2.19 H	112	99.9	4.4
3	*5785.00	94.9 AV			2.19 H	112	90.5	4.4
4	#6008.49	55.8 PK	68.2	-12.4	2.19 H	112	51.0	4.8
5	11570.00	58.7 PK	74.0	-15.3	2.11 H	31	45.2	13.5
6	11570.00	46.1 AV	54.0	-7.9	2.11 H	31	32.6	13.5
7	#17355.00	55.5 PK	74.0	-18.5	1.81 H	284	37.5	18.0
8	#17355.00	44.6 AV	54.0	-9.4	1.81 H	284	26.6	18.0
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	#5619.54	56.5 PK	68.2	-11.7	2.11 V	360	52.1	4.4
2	*5785.00	111.1 PK			2.11 V	360	106.7	4.4
3	*5785.00	100.9 AV			2.11 V	360	96.5	4.4
4	#5990.68	55.5 PK	68.2	-12.7	2.11 V	360	50.8	4.7
5	11570.00	58.2 PK	74.0	-15.8	1.63 V	247	44.7	13.5
6	11570.00	44.8 AV	54.0	-9.2	1.63 V	247	31.3	13.5
7	#17355.00	54.7 PK	74.0	-19.3	2.46 V	178	36.7	18.0
8	#17355.00	42.3 AV	54.0	-11.7	2.46 V	178	24.3	18.0

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5581.34	56.6 PK	68.2	-11.6	2.10 H	105	52.4	4.2
2	*5825.00	104.6 PK			2.10 H	105	100.2	4.4
3	*5825.00	94.2 AV			2.10 H	105	89.8	4.4
4	#6017.93	56.7 PK	68.2	-11.5	2.10 H	105	51.9	4.8
5	11650.00	58.7 PK	74.0	-15.3	2.08 H	42	45.0	13.7
6	11650.00	45.8 AV	54.0	-8.2	2.08 H	42	32.1	13.7
7	#17475.00	56.4 PK	74.0	-17.6	1.75 H	284	37.8	18.6
8	#17475.00	45.0 AV	54.0	-9.0	1.75 H	284	26.4	18.6
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5638.02	56.1 PK	68.2	-12.1	2.25 V	360	51.7	4.4
2	*5825.00	111.2 PK			2.25 V	360	106.8	4.4
3	*5825.00	100.7 AV			2.25 V	360	96.3	4.4
4	#5948.39	55.6 PK	68.2	-12.6	2.25 V	360	50.9	4.7
5	11650.00	58.0 PK	74.0	-16.0	1.62 V	266	44.3	13.7
6	11650.00	44.4 AV	54.0	-9.6	1.62 V	266	30.7	13.7
7	#17475.00	54.9 PK	74.0	-19.1	2.40 V	169	36.3	18.6
8	#17475.00	42.3 AV	54.0	-11.7	2.40 V	169	23.7	18.6

REMARKS:

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

802.11ac (VHT40)

CHANNEL	TX Channel 38	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	60.4 PK	74.0	-13.6	1.25 H	360	56.7	3.7
2	5150.00	43.1 AV	54.0	-10.9	1.25 H	360	39.4	3.7
3	*5190.00	103.1 PK			1.25 H	360	99.4	3.7
4	*5190.00	92.0 AV			1.25 H	360	88.3	3.7
5	5350.00	54.3 PK	74.0	-19.7	1.25 H	360	50.2	4.1
6	5350.00	40.8 AV	54.0	-13.2	1.25 H	360	36.7	4.1
7	#10380.00	55.8 PK	74.0	-18.2	1.62 H	30	42.7	13.1
8	#10380.00	45.1 AV	54.0	-8.9	1.62 H	30	32.0	13.1
9	15570.00	54.9 PK	74.0	-19.1	1.65 H	0	41.6	13.3
10	15570.00	43.0 AV	54.0	-11.0	1.65 H	0	29.7	13.3
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	5150.00	59.3 PK	74.0	-14.7	1.48 V	360	55.6	3.7
2	5150.00	43.2 AV	54.0	-10.8	1.48 V	360	39.5	3.7
3	*5190.00	102.5 PK			1.48 V	360	98.8	3.7
4	*5190.00	90.9 AV			1.48 V	360	87.2	3.7
5	5350.00	52.2 PK	74.0	-21.8	1.48 V	360	48.1	4.1
6	5350.00	40.0 AV	54.0	-14.0	1.48 V	360	35.9	4.1
7	#10380.00	56.5 PK	74.0	-17.5	1.62 V	20	43.4	13.1
8	#10380.00	44.8 AV	54.0	-9.2	1.62 V	20	31.7	13.1
9	15570.00	54.5 PK	74.0	-19.5	1.23 V	265	41.2	13.3
10	15570.00	43.3 AV	54.0	-10.7	1.23 V	265	30.0	13.3

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	103.8 PK			1.40 H	351	100.0	3.8
2	*5230.00	91.6 AV			1.40 H	351	87.8	3.8
3	5350.00	53.2 PK	74.0	-20.8	1.40 H	351	49.1	4.1
4	5350.00	40.9 AV	54.0	-13.1	1.40 H	351	36.8	4.1
5	#10460.00	56.1 PK	74.0	-17.9	1.63 H	30	43.0	13.1
6	#10460.00	45.4 AV	54.0	-8.6	1.63 H	30	32.3	13.1
7	15690.00	54.6 PK	74.0	-19.4	1.64 H	13	40.8	13.8
8	15690.00	43.0 AV	54.0	-11.0	1.64 H	13	29.2	13.8
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	102.3 PK			1.32 V	338	98.5	3.8
2	*5230.00	90.7 AV			1.32 V	338	86.9	3.8
3	5350.00	50.2 PK	74.0	-23.8	1.32 V	338	46.1	4.1
4	5350.00	38.2 AV	54.0	-15.8	1.32 V	338	34.1	4.1
5	#10460.00	55.5 PK	74.0	-18.5	1.57 V	21	42.4	13.1
6	#10460.00	44.7 AV	54.0	-9.3	1.57 V	21	31.6	13.1
7	15690.00	55.6 PK	74.0	-18.4	1.31 V	253	41.8	13.8
8	15690.00	43.8 AV	54.0	-10.2	1.31 V	253	30.0	13.8

REMARKS:

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

CHANNEL	TX Channel 151	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5631.69	55.3 PK	68.2	-12.9	2.14 H	113	50.9	4.4
2	*5755.00	102.1 PK			2.14 H	113	97.7	4.4
3	*5755.00	92.6 AV			2.14 H	113	88.2	4.4
4	#5940.71	55.4 PK	68.2	-12.8	2.14 H	113	50.7	4.7
5	11510.00	58.9 PK	74.0	-15.1	2.09 H	27	45.3	13.6
6	11510.00	46.2 AV	54.0	-7.8	2.09 H	27	32.6	13.6
7	#17265.00	55.7 PK	74.0	-18.3	1.83 H	305	38.1	17.6
8	#17265.00	44.5 AV	54.0	-9.5	1.83 H	305	26.9	17.6
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	#5589.41	57.8 PK	68.2	-10.4	2.27 V	360	53.6	4.2
2	*5755.00	107.7 PK			2.27 V	360	103.3	4.4
3	*5755.00	99.2 AV			2.27 V	360	94.8	4.4
4	#6000.88	55.7 PK	68.2	-12.5	2.27 V	360	50.9	4.8
5	11510.00	57.7 PK	74.0	-16.3	1.68 V	263	44.1	13.6
6	11510.00	44.2 AV	54.0	-9.8	1.68 V	263	30.6	13.6
7	#17265.00	55.1 PK	74.0	-18.9	2.43 V	165	37.5	17.6
8	#17265.00	42.6 AV	54.0	-11.4	2.43 V	165	25.0	17.6

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5635.60	55.1 PK	68.2	-13.1	2.13 H	113	50.7	4.4
2	*5795.00	100.5 PK			2.13 H	113	96.1	4.4
3	*5795.00	91.5 AV			2.13 H	113	87.1	4.4
4	#5954.26	55.6 PK	68.2	-12.6	2.13 H	113	50.9	4.7
5	11590.00	59.3 PK	74.0	-14.7	2.17 H	38	45.8	13.5
6	11590.00	46.4 AV	54.0	-7.6	2.17 H	38	32.9	13.5
7	#17385.00	55.4 PK	74.0	-18.6	1.75 H	300	37.1	18.3
8	#17385.00	44.4 AV	54.0	-9.6	1.75 H	300	26.1	18.3
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5628.76	56.6 PK	68.2	-11.6	2.28 V	360	52.2	4.4
2	*5795.00	107.5 PK			2.28 V	360	103.1	4.4
3	*5795.00	98.9 AV			2.28 V	360	94.5	4.4
4	#6007.33	56.0 PK	68.2	-12.2	2.28 V	360	51.2	4.8
5	11590.00	58.8 PK	74.0	-15.2	1.69 V	247	45.3	13.5
6	11590.00	45.1 AV	54.0	-8.9	1.69 V	247	31.6	13.5
7	#17385.00	55.1 PK	74.0	-18.9	2.41 V	163	36.8	18.3
8	#17385.00	42.3 AV	54.0	-11.7	2.41 V	163	24.0	18.3

REMARKS:

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

802.11ac (VHT80)

CHANNEL	TX Channel 42	DETECTOR FUNCTION	Peak (PK) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	59.3 PK	74.0	-14.7	1.45 H	348	55.6	3.7
2	5150.00	45.2 AV	54.0	-8.8	1.45 H	348	41.5	3.7
3	*5210.00	99.7 PK			1.45 H	348	96.0	3.7
4	*5210.00	90.7 AV			1.45 H	348	87.0	3.7
5	5350.00	44.2 PK	74.0	-29.8	1.45 H	348	40.1	4.1
6	5350.00	32.1 AV	54.0	-21.9	1.45 H	348	28.0	4.1
7	#10420.00	54.9 PK	74.0	-19.1	1.62 H	30	41.8	13.1
8	#10420.00	44.5 AV	54.0	-9.5	1.62 H	30	31.4	13.1
9	15630.00	55.7 PK	74.0	-18.3	1.70 H	14	42.1	13.6
10	15630.00	43.9 AV	54.0	-10.1	1.70 H	14	30.3	13.6
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	5150.00	56.6 PK	74.0	-17.4	1.51 V	344	52.9	3.7
2	5150.00	44.3 AV	54.0	-9.7	1.51 V	344	40.6	3.7
3	*5210.00	98.9 PK			1.51 V	344	95.2	3.7
4	*5210.00	89.8 AV			1.51 V	344	86.1	3.7
5	5350.00	51.8 PK	74.0	-22.2	1.51 V	344	47.7	4.1
6	5350.00	41.2 AV	54.0	-12.8	1.51 V	344	37.1	4.1
7	#10420.00	56.2 PK	74.0	-17.8	1.52 V	23	43.1	13.1
8	#10420.00	45.0 AV	54.0	-9.0	1.52 V	23	31.9	13.1
9	15630.00	54.1 PK	74.0	-19.9	1.22 V	255	40.5	13.6
10	15630.00	42.7 AV	54.0	-11.3	1.22 V	255	29.1	13.6

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) Average (AV)
FREQUENCY RANGE	1GHz ~ 40GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5618.03	55.4 PK	68.2	-12.8	2.27 H	101	51.0	4.4
2	*5775.00	95.3 PK			2.27 H	101	90.9	4.4
3	*5775.00	86.4 AV			2.27 H	101	82.0	4.4
4	#6008.60	55.1 PK	68.2	-13.1	2.27 H	101	50.3	4.8
5	11550.00	58.6 PK	74.0	-15.4	2.06 H	47	45.1	13.5
6	11550.00	45.7 AV	54.0	-8.3	2.06 H	47	32.2	13.5
7	#17325.00	55.8 PK	74.0	-18.2	1.81 H	295	38.0	17.8
8	#17325.00	45.0 AV	54.0	-9.0	1.81 H	295	27.2	17.8
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	#5650.91	57.8 PK	68.9	-11.1	2.44 V	359	53.5	4.3
2	*5775.00	102.1 PK			2.44 V	359	97.7	4.4
3	*5775.00	93.4 AV			2.44 V	359	89.0	4.4
4	#5960.82	56.5 PK	68.2	-11.7	2.44 V	359	51.8	4.7
5	11550.00	58.1 PK	74.0	-15.9	1.64 V	262	44.6	13.5
6	11550.00	44.9 AV	54.0	-9.1	1.64 V	262	31.4	13.5
7	#17325.00	55.0 PK	74.0	-19.0	2.49 V	190	37.2	17.8
8	#17325.00	42.5 AV	54.0	-11.5	2.49 V	190	24.7	17.8

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.

Below 1GHz Data:

802.11a

CHANNEL	TX Channel 149	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	33.18	29.2 QP	40.0	-10.8	1.50 H	302	38.3	-9.1
2	112.84	35.1 QP	43.5	-8.4	1.50 H	290	45.9	-10.8
3	142.01	31.5 QP	43.5	-12.0	2.00 H	269	39.9	-8.4
4	387.57	38.9 QP	46.0	-7.1	2.00 H	345	44.6	-5.7
5	409.85	36.3 QP	46.0	-9.7	2.00 H	322	41.4	-5.1
6	438.01	36.0 QP	46.0	-10.0	2.00 H	102	39.9	-3.9
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	45.76	36.3 QP	40.0	-3.7	1.00 V	129	44.6	-8.3
2	112.86	33.0 QP	43.5	-10.5	1.00 V	360	43.8	-10.8
3	215.78	30.3 QP	43.5	-13.2	1.50 V	241	41.6	-11.3
4	257.08	31.1 QP	46.0	-14.9	2.00 V	233	40.4	-9.3
5	345.95	40.1 QP	46.0	-5.9	1.50 V	179	46.6	-6.5
6	477.56	37.8 QP	46.0	-8.2	1.00 V	45	41.3	-3.5

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

4.2 Transmit Power Measurment

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 ≦ 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

4.2.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.2.4 Test Procedure

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.

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 Result (Mode 1)

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	10.89	9.33	9.44	9.56	38.67	15.87	30.00	Pass
40	5200	10.36	9.65	9.81	9.49	38.554	15.86	30.00	Pass
48	5240	10.46	9.76	10.03	9.56	39.684	15.99	30.00	Pass
149	5745	22.86	23.71	23.45	23.33	864.747	29.37	30.00	Pass
157	5785	22.56	23.36	22.99	23.25	807.488	29.07	30.00	Pass
165	5825	22.35	23.59	22.87	23.06	796.295	29.01	30.00	Pass

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	122.285	20.87	21	Pass
40	5200	121.918	20.86	21	Pass
48	5240	125.492	20.99	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p $\leqq$ 125mW(21 dBm) to compliance.

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	4.64	4.07	4.17	2.00	9.661	9.85	24.98	Pass
40	5200	4.68	4.12	4.25	1.60	9.626	9.83	24.98	Pass
48	5240	2.87	2.62	2.41	1.83	7.03	8.47	24.98	Pass
149	5745	18.03	18.87	18.72	15.65	251.824	24.01	24.98	Pass
157	5785	17.87	18.74	18.61	18.47	278.97	24.46	24.98	Pass
165	5825	17.59	18.50	18.41	18.38	266.415	24.26	24.98	Pass

Note: 1. Directional gain = 5dBi + 10log(4) = 11.02dBi > 6dBi , so the power limit shall be reduced to 30-(11.02-6) = 24.98dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	122.186	20.87	21	Pass
40	5200	121.744	20.85	21	Pass
48	5240	88.911	19.49	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p $\leqq$ 125mW(21 dBm) to compliance.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	3.12	4.22	4.74	2.31	9.374	9.72	24.98	Pass
46	5230	2.48	2.56	2.75	2.40	7.195	8.57	24.98	Pass
151	5755	18.11	18.23	18.02	19.22	278.188	24.44	24.98	Pass
159	5795	18.02	18.96	18.52	18.32	281.133	24.49	24.98	Pass

Note: 1. Directional gain = 5dBi + 10log(4) = 11.02dBi > 6dBi , so the power limit shall be reduced to 30-(11.02-6) = 24.98dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	118.556	20.74	21	Pass
46	5230	90.998	19.59	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p $\leq$ 125mW(21 dBm) to compliance.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	4.19	3.62	4.56	2.20	9.443	9.75	24.98	Pass
155	5775	18.33	19.42	18.16	18.41	290.382	24.63	24.98	Pass

Note: 1. Directional gain = 5dBi + 10log(4) = 11.02dBi > 6dBi , so the power limit shall be reduced to 30-(11.02-6) = 24.98dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	119.429	20.77	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p $\leqq$ 125mW(21 dBm) to compliance.

4.2.8 Test Result (Mode 2)

For U-NII-1:

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 2	Chain 3				
36	5180	10.09	10.42	11.21	34.437	15.37	30	Pass
40	5200	10.16	10.26	11.22	34.235	15.34	30	Pass
48	5240	10.11	10.22	10.97	33.28	15.22	30	Pass

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	108.899	20.37	21	Pass
40	5200	108.261	20.34	21	Pass
48	5240	105.241	20.22	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 2	Chain 3				
36	5180	5.45	5.42	6.52	11.478	10.60	26.23	Pass
40	5200	5.33	5.39	6.39	11.226	10.50	26.23	Pass
48	5240	5.29	5.40	6.46	11.274	10.52	26.23	Pass

Note: 1. Directional gain = 5dBi + 10log(3) = 9.77dBi > 6dBi , so the power limit shall be reduced to 30-(9.77-6) = 26.23dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	108.859	20.37	21	Pass
40	5200	106.469	20.27	21	Pass
48	5240	106.925	20.29	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 2	Chain 3				
38	5190	5.36	5.41	6.49	11.368	10.56	26.23	Pass
46	5230	5.65	5.46	6.33	11.484	10.60	26.23	Pass

Note: 1. Directional gain = 5dBi + 10log(3) = 9.77dBi > 6dBi , so the power limit shall be reduced to 30-(9.77-6) = 26.23dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	107.816	20.33	21	Pass
46	5230	108.916	20.37	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 2	Chain 3				
42	5210	5.53	5.50	6.20	11.29	10.53	26.23	Pass

Note: 1. Directional gain = 5dBi + 10log(3) = 9.77dBi > 6dBi , so the power limit shall be reduced to 30-(9.77-6) = 26.23dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	107.076	20.30	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

For U-NII-3:

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 1	Chain 2	Chain 3				
149	5745	23.71	23.45	23.33	671.55	28.27	30.00	Pass
157	5785	23.36	22.99	23.25	627.186	27.97	30.00	Pass
165	5825	23.59	22.87	23.06	624.504	27.96	30.00	Pass

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 1	Chain 2	Chain 3				
149	5745	20.10	20.59	21.16	347.497	25.41	26.23	Pass
157	5785	20.12	20.55	21.23	349.042	25.43	26.23	Pass
165	5825	20.12	20.59	21.10	346.178	25.39	26.23	Pass

Note: 1. Directional gain = 5dBi + 10log(3) = 9.77dBi > 6dBi , so the power limit shall be reduced to 30-(9.77-6) = 26.23dBm.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 1	Chain 2	Chain 3				
151	5755	20.19	20.89	21.16	357.833	25.54	26.23	Pass
159	5795	20.03	20.75	21.11	348.665	25.42	26.23	Pass

Note: 1. Directional gain = 5dBi + 10log(3) = 9.77dBi > 6dBi , so the power limit shall be reduced to 30-(9.77-6) = 26.23dBm.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 1	Chain 2	Chain 3				
155	5775	19.26	19.42	19.66	264.301	24.22	26.23	Pass

Note: 1. Directional gain = 5dBi + 10log(3) = 9.77dBi > 6dBi , so the power limit shall be reduced to 30-(9.77-6) = 26.23dBm.

4.2.9 Test Result (Mode 3)

For U-NII-1:

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 2				
36	5180	12.25	12.39	34.126	15.33	30	Pass
40	5200	12.26	12.35	34.006	15.32	30	Pass
48	5240	12.12	12.30	33.275	15.22	30	Pass

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	107.916	20.33	21	Pass
40	5200	107.536	20.32	21	Pass
48	5240	105.225	20.22	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p $\leqq$ 125mW(21 dBm) to compliance.

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 2				
36	5180	9.46	9.86	18.514	12.68	27.99	Pass
40	5200	9.39	9.76	18.152	12.59	27.99	Pass
48	5240	9.29	9.69	17.803	12.50	27.99	Pass

Note: 1. Directional gain = 5dBi + 10log(2) = 8.01dBi > 6dBi , so the power limit shall be reduced to 30-(8.01-6) = 27.99dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	117.085	20.69	21	Pass
40	5200	114.795	20.60	21	Pass
48	5240	112.588	20.51	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 2				
38	5190	9.42	9.50	17.663	12.47	27.99	Pass
46	5230	9.33	9.90	18.342	12.63	27.99	Pass

Note: 1. Directional gain = 5dBi + 10log(2) = 8.01dBi > 6dBi , so the power limit shall be reduced to 30-(8.01-6) = 27.99dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	111.703	20.48	21	Pass
46	5230	115.997	20.64	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 2				
42	5210	9.32	9.62	17.713	12.48	27.99	Pass

Note: 1. Directional gain = 5dBi + 10log(2) = 8.01dBi > 6dBi , so the power limit shall be reduced to 30-(8.01-6) = 27.99dBm.

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	112.019	20.49	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

For U-NII-3:

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 2	Chain 3				
149	5745	23.45	23.33	436.587	26.40	30.00	Pass
157	5785	22.99	23.25	410.416	26.13	30.00	Pass
165	5825	22.87	23.06	395.944	25.98	30.00	Pass

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 2	Chain 3				
149	5745	23.36	23.33	432.048	26.36	27.99	Pass
157	5785	23.48	23.88	467.187	26.69	27.99	Pass
165	5825	23.31	23.82	455.28	26.58	27.99	Pass

Note: 1. Directional gain = 5dBi + 10log(2) = 8.01dBi > 6dBi , so the power limit shall be reduced to 30-(8.01-6) = 27.99dBm.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 2	Chain 3				
151	5755	22.50	22.56	358.13	25.54	27.99	Pass
159	5795	22.46	22.66	360.7	25.57	27.99	Pass

Note: 1. Directional gain = 5dBi + 10log(2) = 8.01dBi > 6dBi , so the power limit shall be reduced to 30-(8.01-6) = 27.99dBm.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 2	Chain 3				
155	5775	19.36	19.63	178.131	22.51	27.99	Pass

Note: 1. Directional gain = 5dBi + 10log(2) = 8.01dBi > 6dBi , so the power limit shall be reduced to 30-(8.01-6) = 27.99dBm.

4.2.10 Test Result (Mode 4)

CDD Mode

For U-NII-1:

802.11a

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0			
36	5180	36.728	15.65	30	Pass
40	5200	34.995	15.44	30	Pass
48	5240	34.674	15.40	30	Pass

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	116.144	20.65	21	Pass
40	5200	110.664	20.44	21	Pass
48	5240	109.649	20.40	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

802.11ac (VHT20)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0			
36	5180	34.594	15.39	30	Pass
40	5200	36.728	15.65	30	Pass
48	5240	34.834	15.42	30	Pass

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
36	5180	109.396	20.39	21	Pass
40	5200	116.144	20.65	21	Pass
48	5240	110.155	20.42	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

802.11ac (VHT40)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0			
38	5190	34.594	15.39	30	Pass
46	5230	36.728	15.65	30	Pass

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
38	5190	109.396	20.39	21	Pass
46	5230	116.144	20.65	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

802.11ac (VHT80)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0			
42	5210	35.645	15.52	30	Pass

EIRP POWER OUTPUT

Chan.	Chan. Freq. (MHz)	EIRP Power (mW)	EIRP Power (dBm)	Power Limit (dBm)	Pass / Fail
42	5210	112.719	20.52	21	Pass

*This device is outdoor access point and antenna at any elevation angle above 30 degrees as measured from the horizon, therefore Max. e.i.r.p ≦ 125mW(21 dBm) to compliance.

For U-NII-3:

CDD Mode

802.11a

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 2			
149	5745	221.309	23.45	30.00	Pass
157	5785	199.067	22.99	30.00	Pass
165	5825	193.642	22.87	30.00	Pass

802.11ac (VHT20)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 2			
149	5745	216.77	23.36	30.00	Pass
157	5785	222.844	23.48	30.00	Pass
165	5825	214.289	23.31	30.00	Pass

802.11ac (VHT40)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 2			
151	5755	177.828	22.50	30.00	Pass
159	5795	176.198	22.46	30.00	Pass

802.11ac (VHT80)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (mW)	Maximum Conducted Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 2			
155	5775	102.802	20.12	30.00	Pass

5 Pictures of Test Arrangements

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

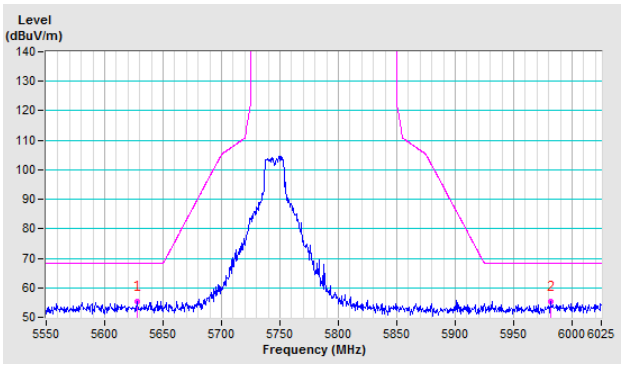
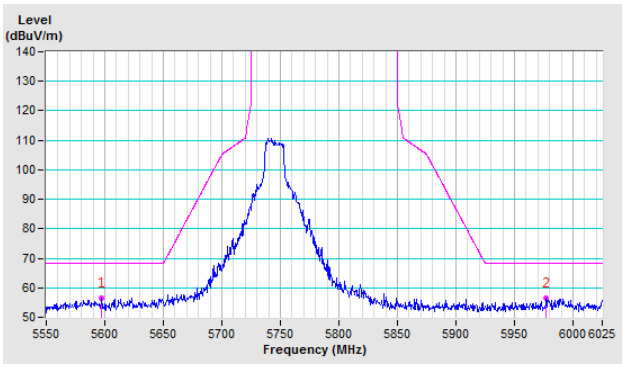
Annex A- Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 band)

Test Result (Mode 1)

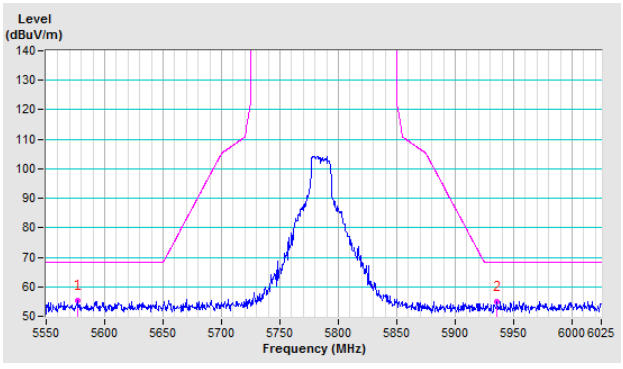
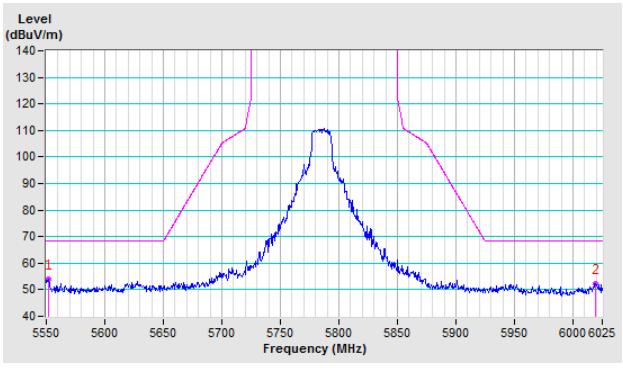
Sector Antenna

802.11a

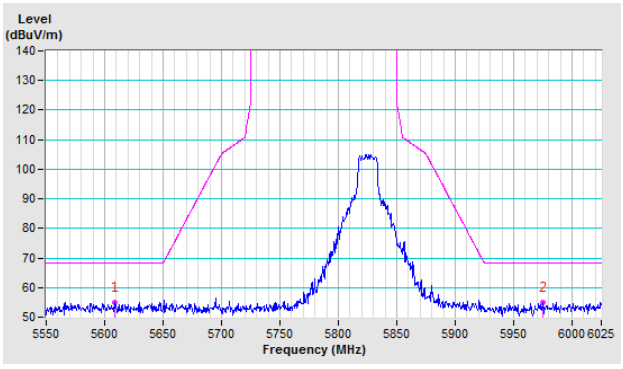
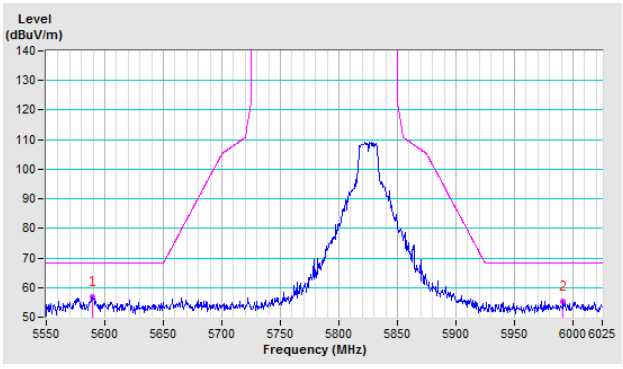
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

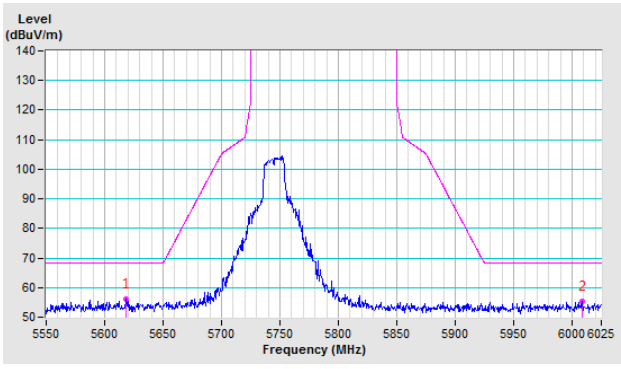
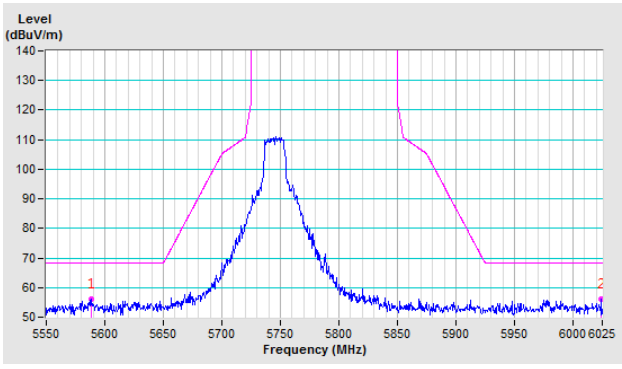
Horizontal	Vertical
	

CH 165 5825 MHz

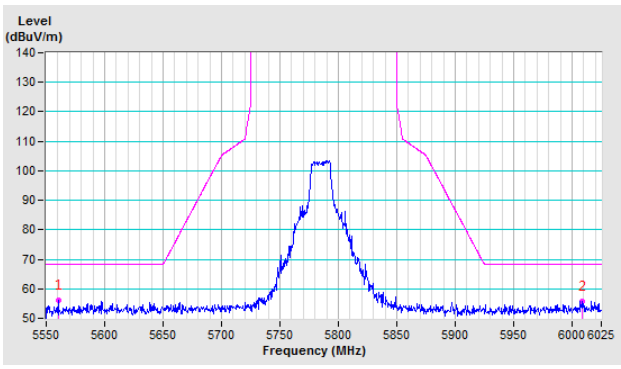
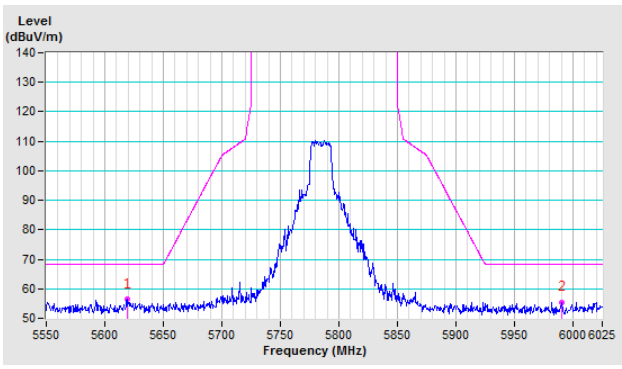
Horizontal	Vertical
	

802.11ac (VHT20)

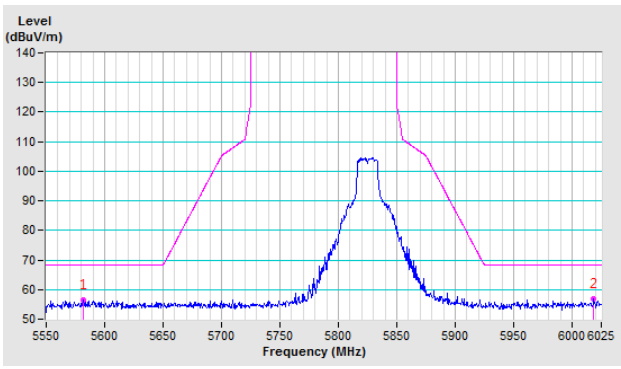
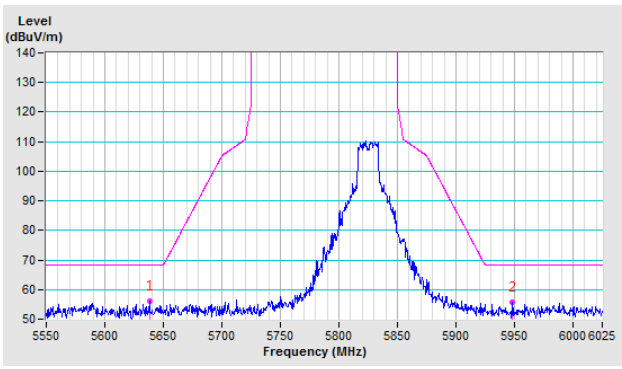
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

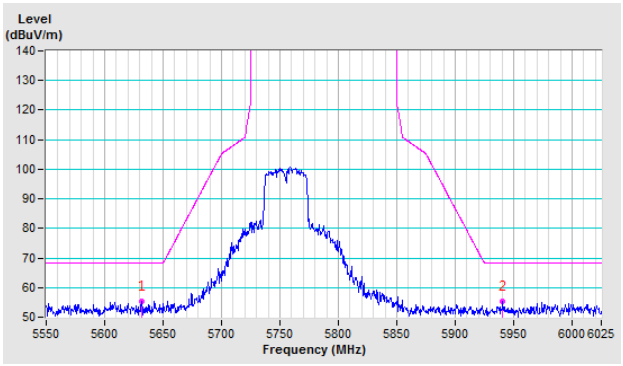
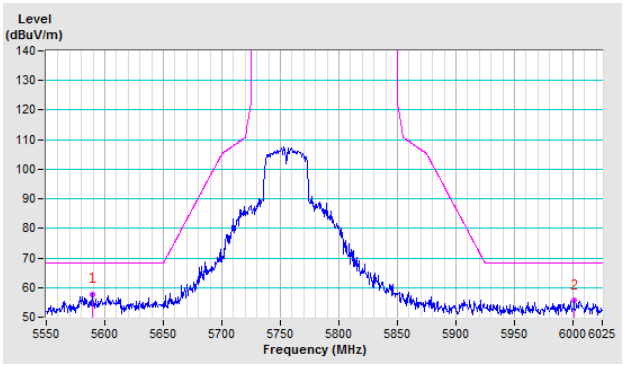
Horizontal	Vertical
	

CH 165 5825 MHz

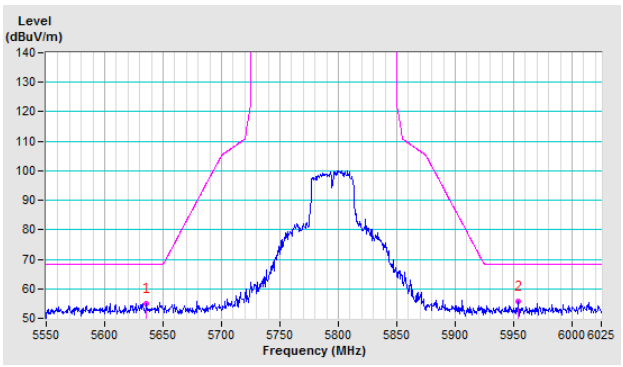
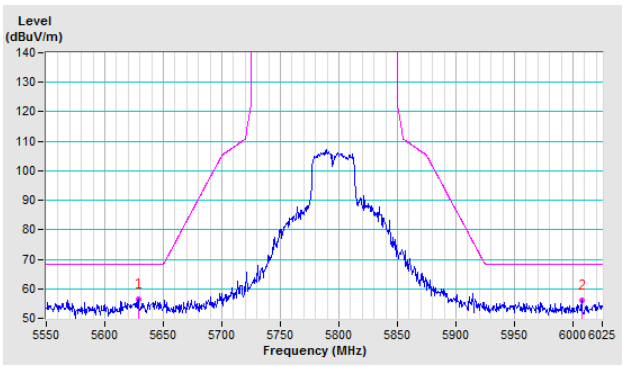
Horizontal	Vertical
	

802.11ac (VHT40)

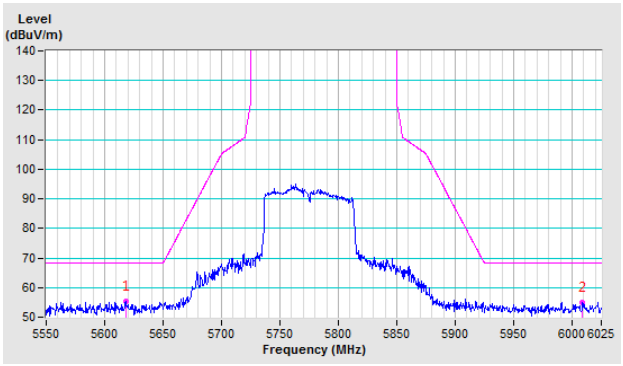
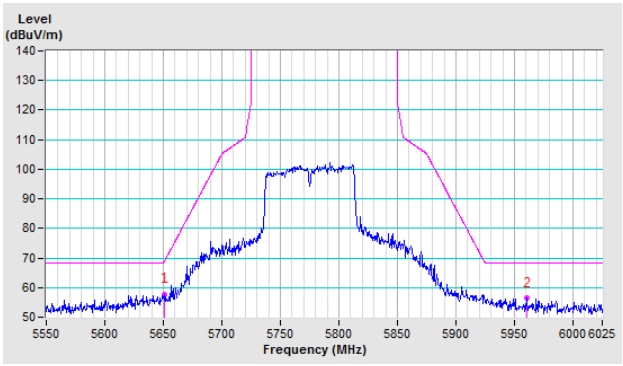
CH 151 5755 MHz

Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

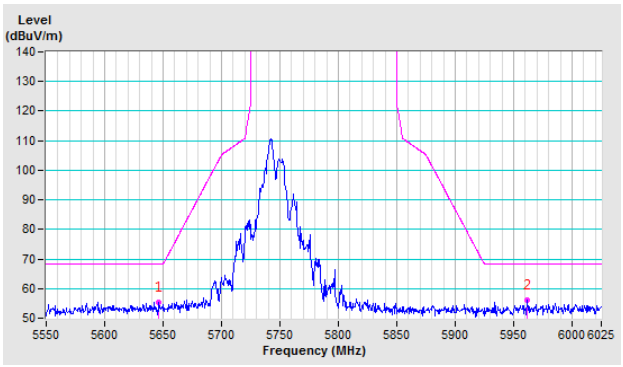
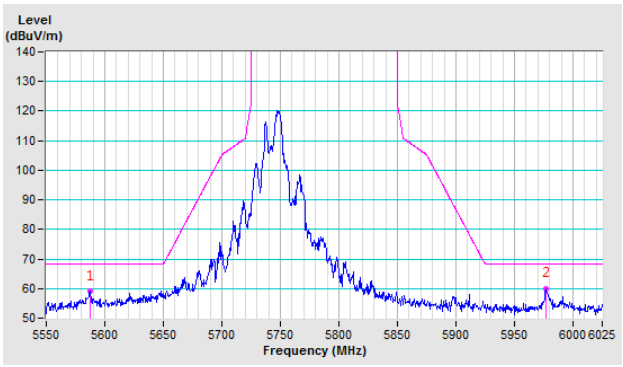
802.11ac (VHT80)

CH 155 5775 MHz	
Horizontal	**Vertical**
	

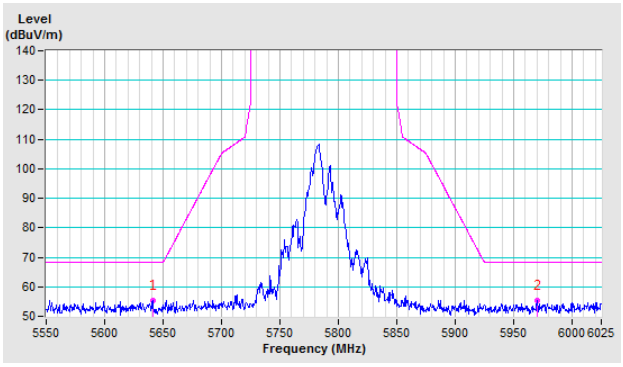
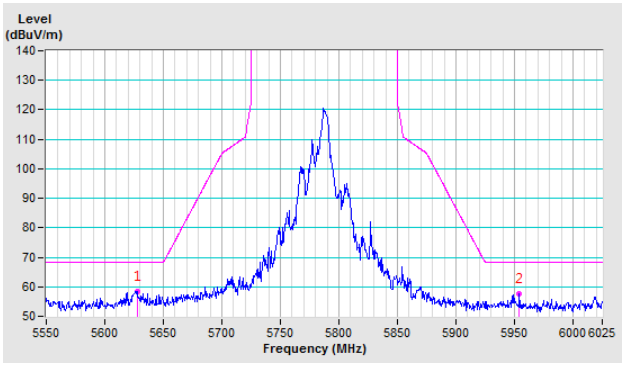
Omnidirectional Antenna

802.11a

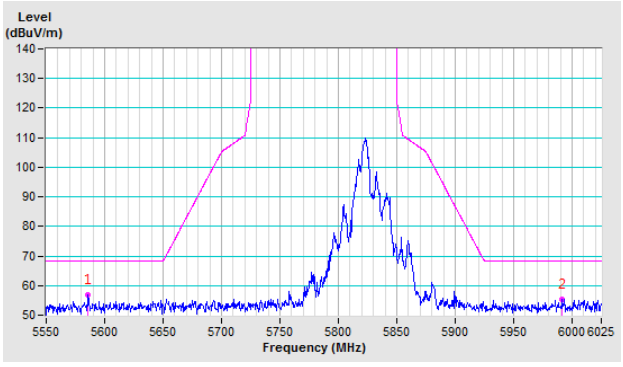
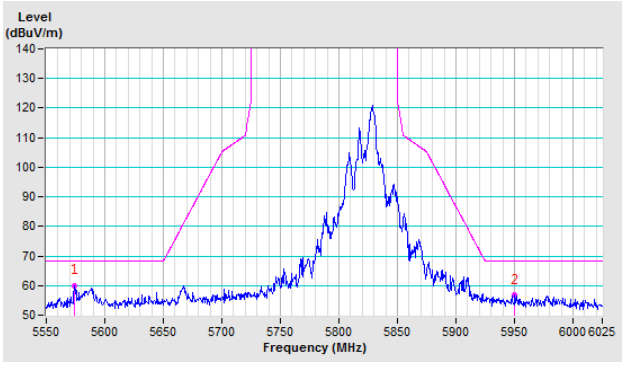
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

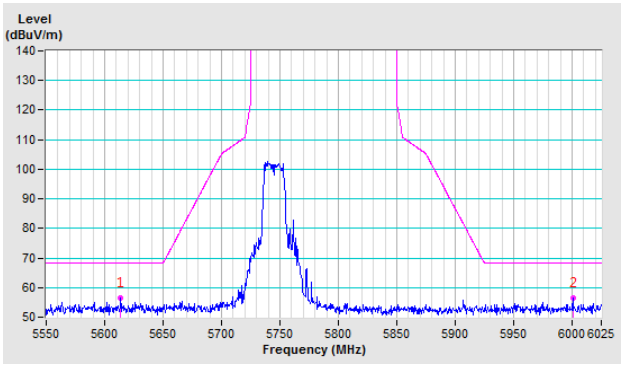
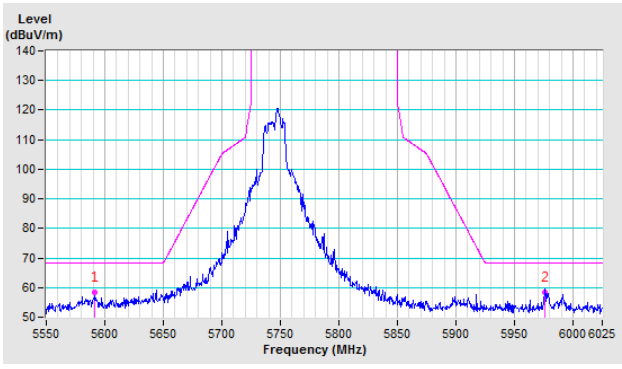
Horizontal	Vertical
	

CH 165 5825 MHz

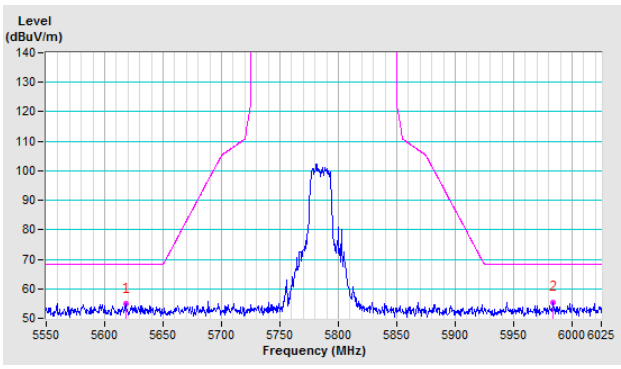
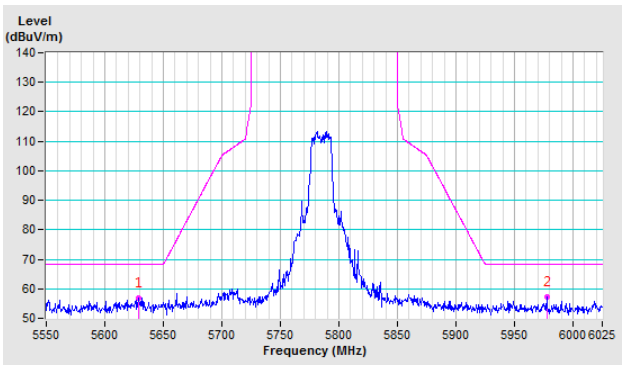
Horizontal	Vertical
	

802.11ac (VHT20)

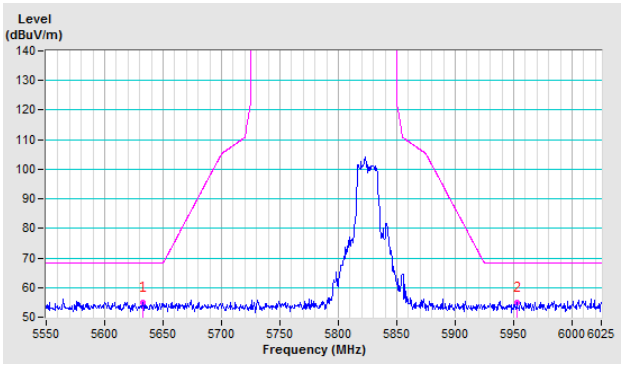
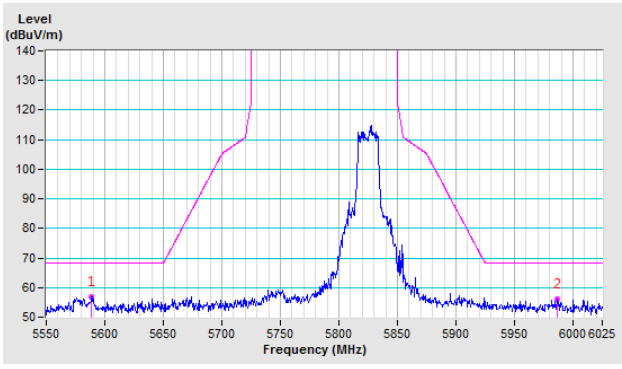
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

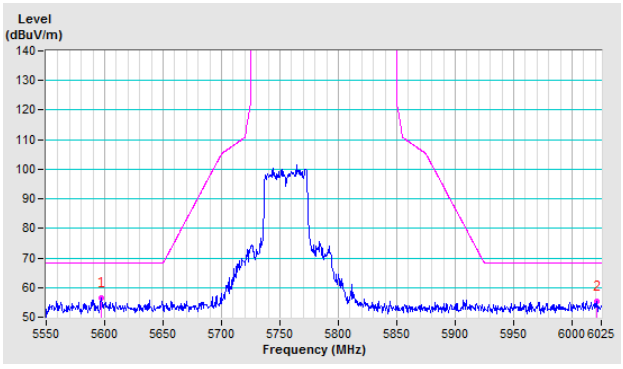
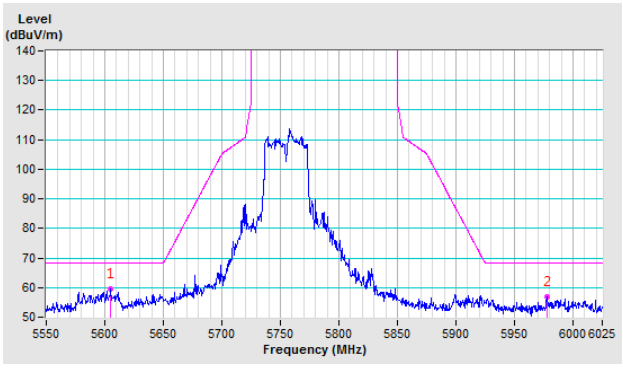
Horizontal	Vertical
	

CH 165 5825 MHz

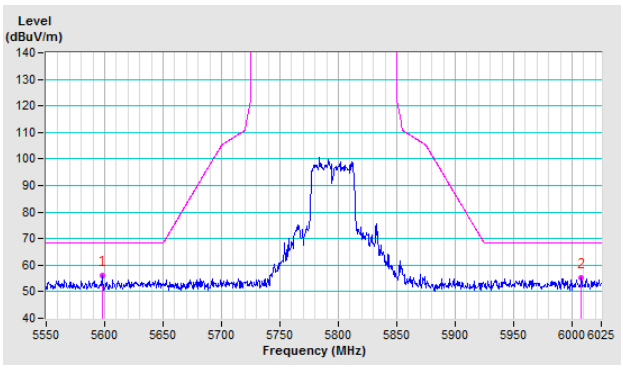
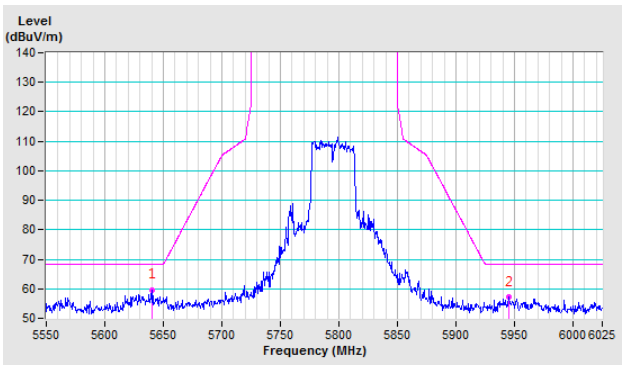
Horizontal	Vertical
	

802.11ac (VHT40)

CH 151 5755 MHz

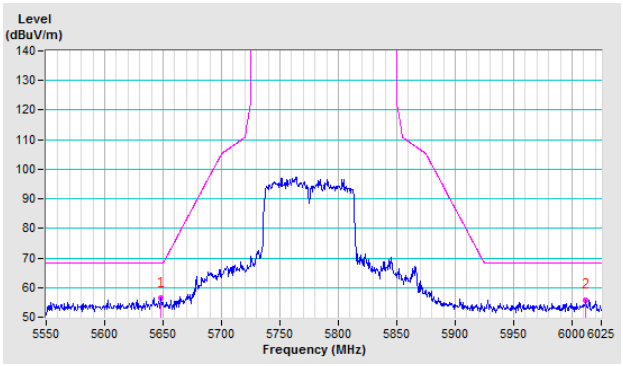
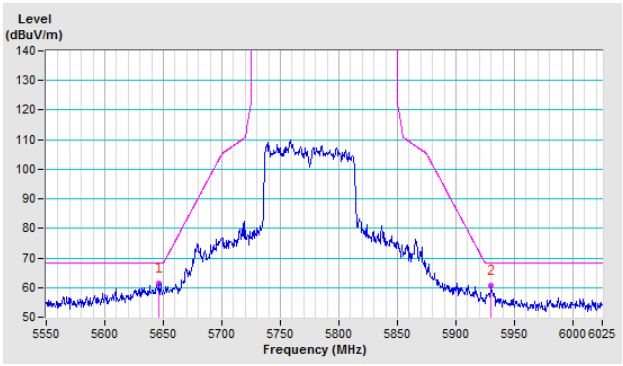
Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

802.11ac (VHT80)

CH 155 5775 MHz

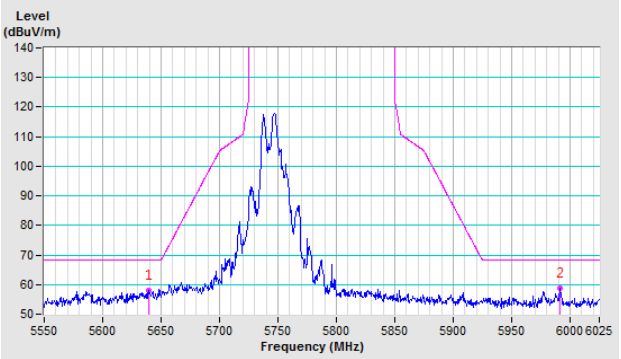
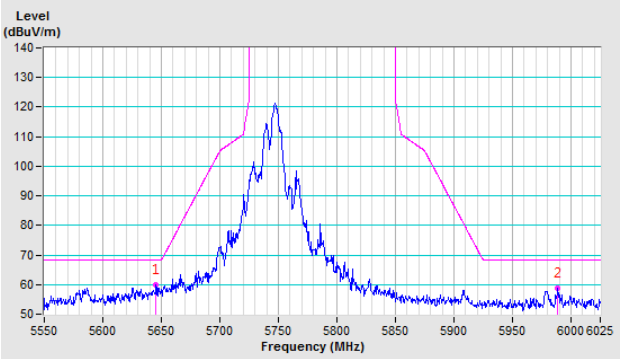
Horizontal	Vertical
	

Test Result (Mode 2)

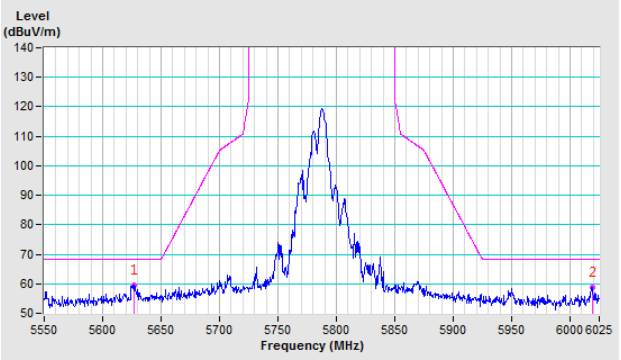
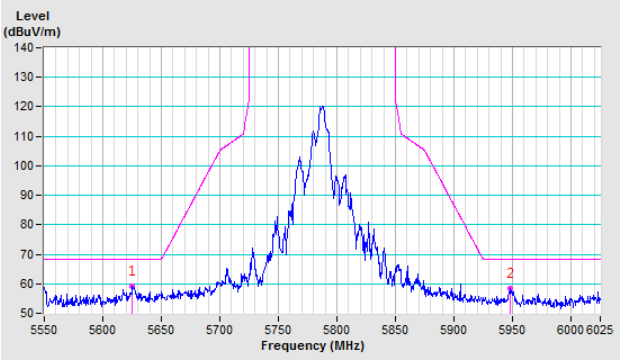
Sector Antenna

802.11a

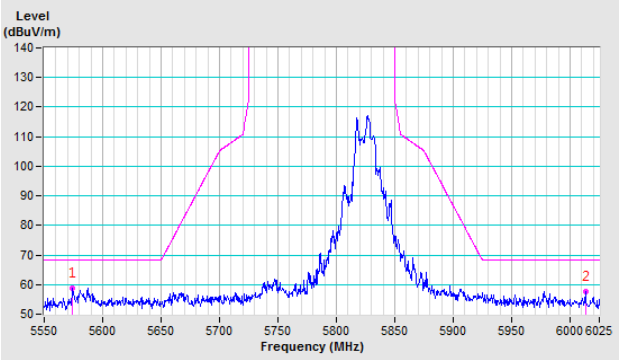
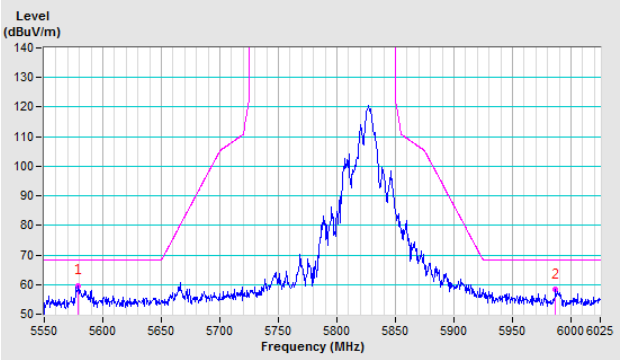
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

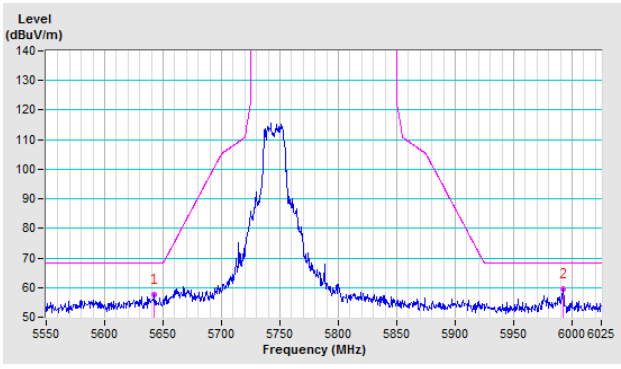
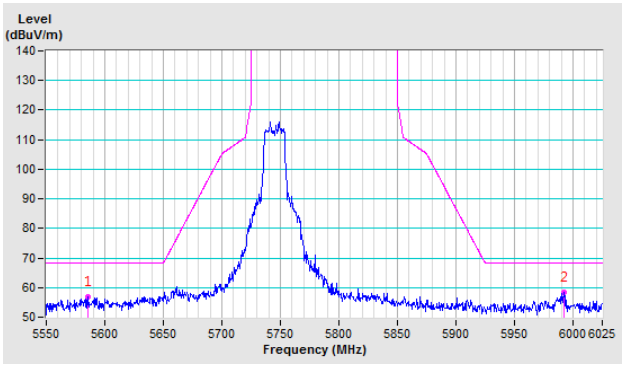
Horizontal	Vertical
	

CH 165 5825 MHz

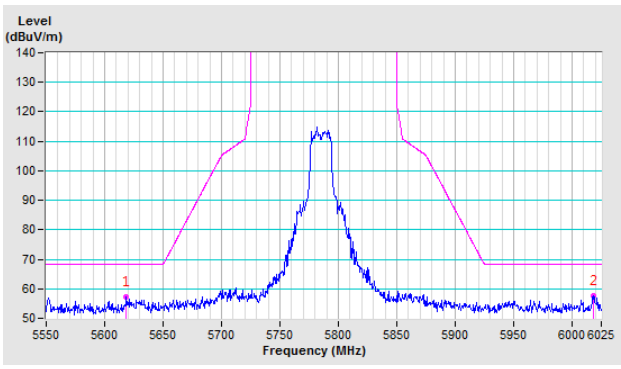
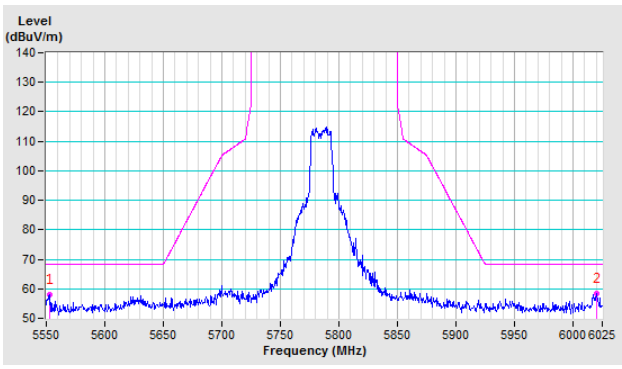
Horizontal	Vertical
	

802.11ac (VHT20)

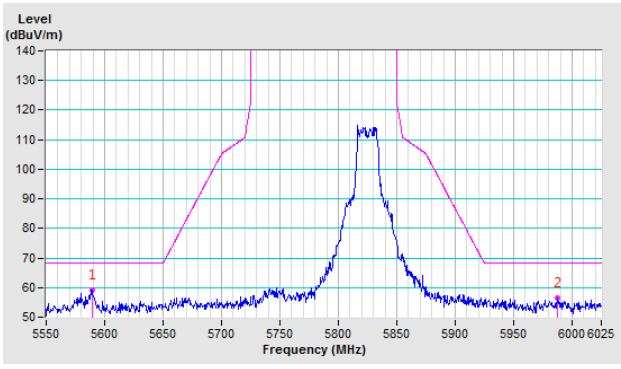
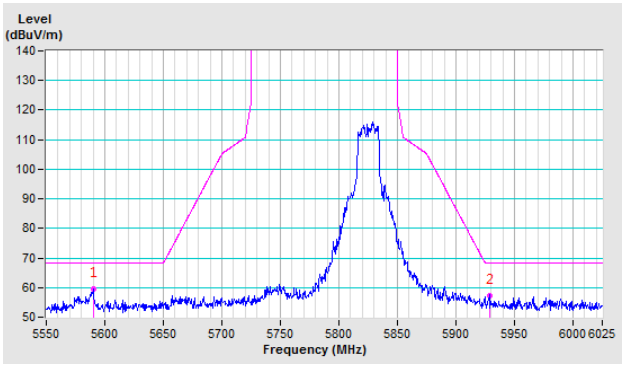
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

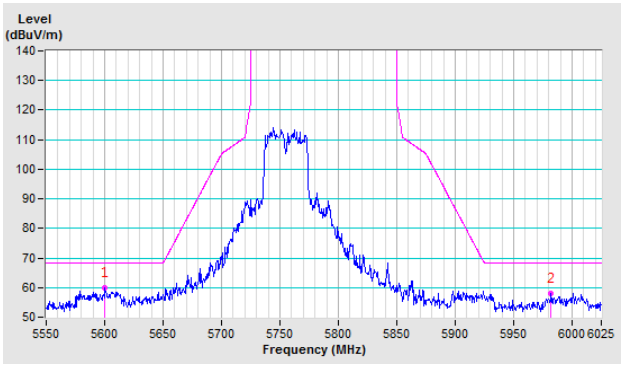
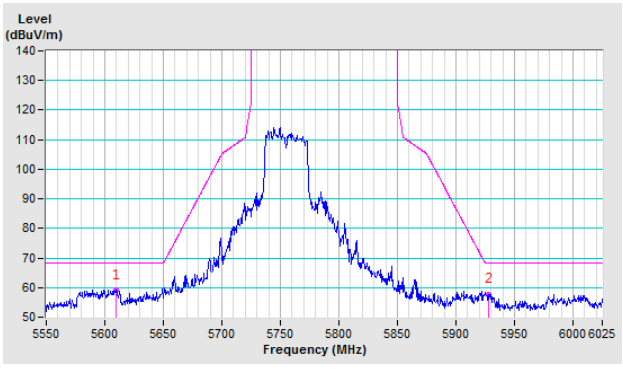
Horizontal	Vertical
	

CH 165 5825 MHz

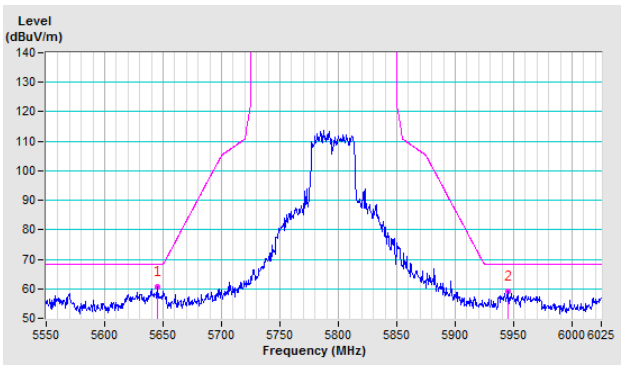
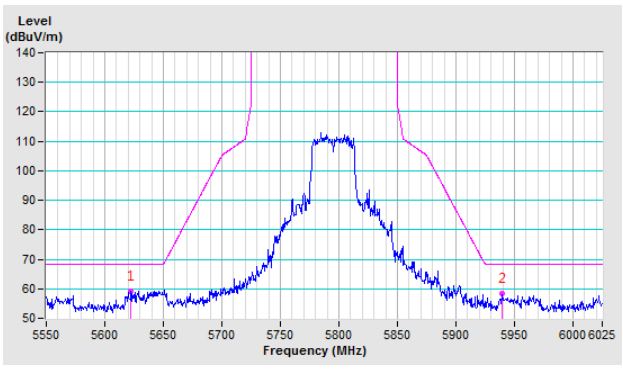
Horizontal	Vertical
	

802.11ac (VHT40)

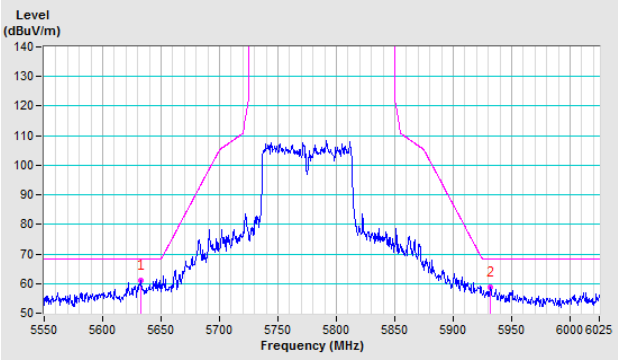
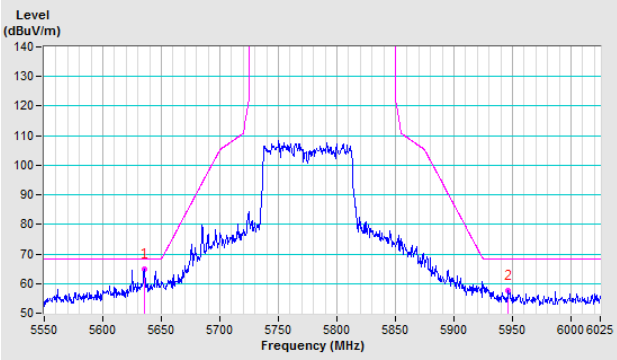
CH 151 5755 MHz

Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

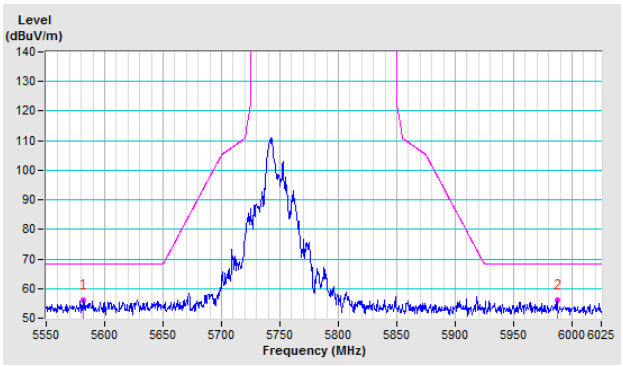
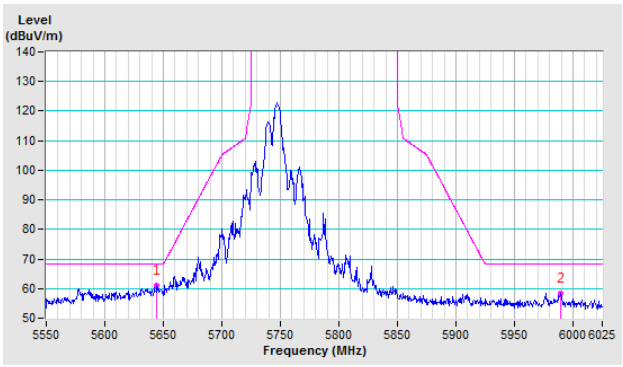
802.11ac (VHT80)

CH 155 5775 MHz	
Horizontal	**Vertical**
	

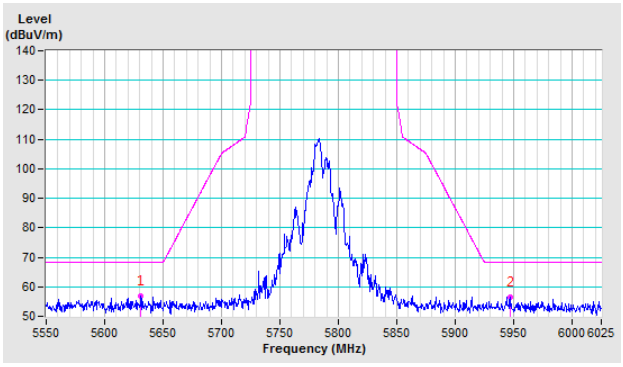
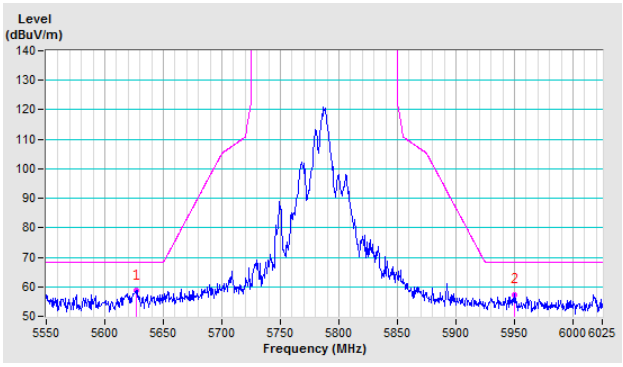
Omnidirectional Antenna

802.11a

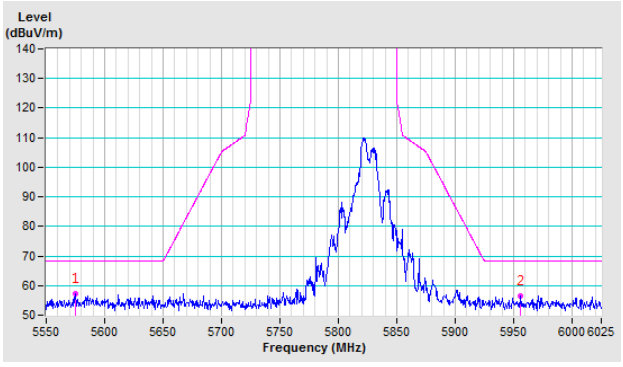
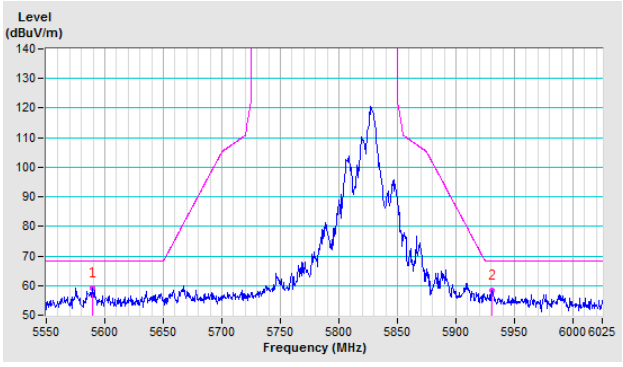
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

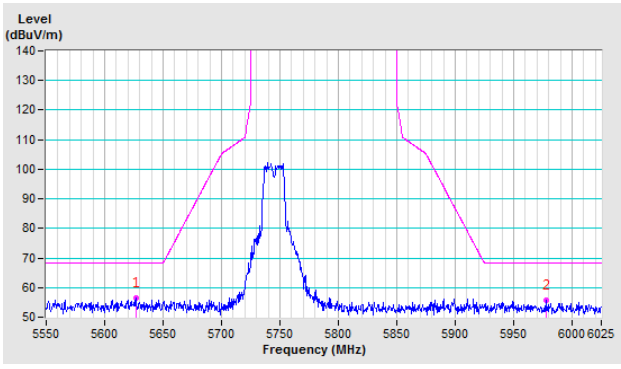
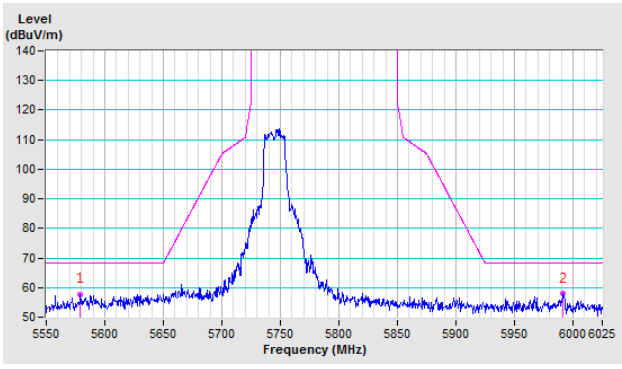
Horizontal	Vertical
	

CH 165 5825 MHz

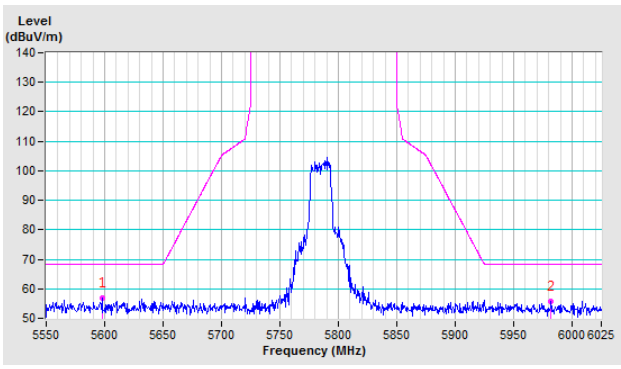
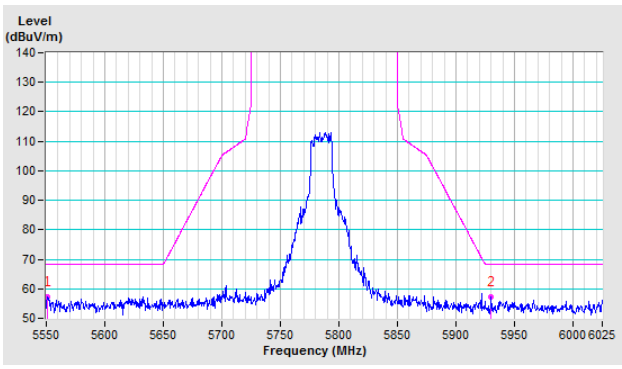
Horizontal	Vertical
	

802.11ac (VHT20)

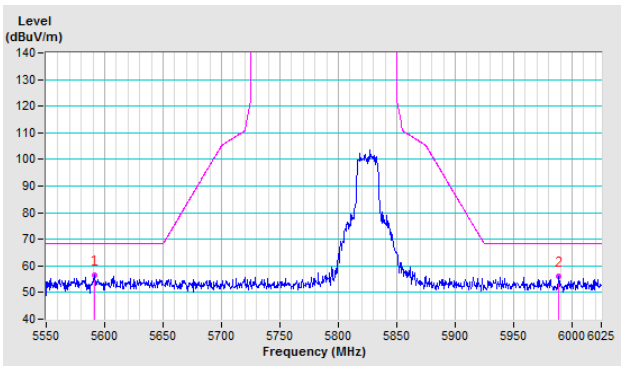
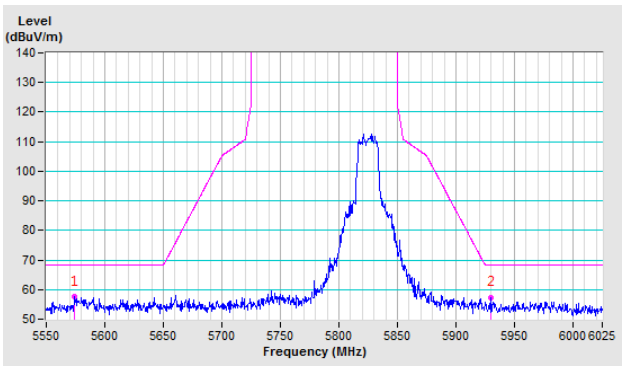
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

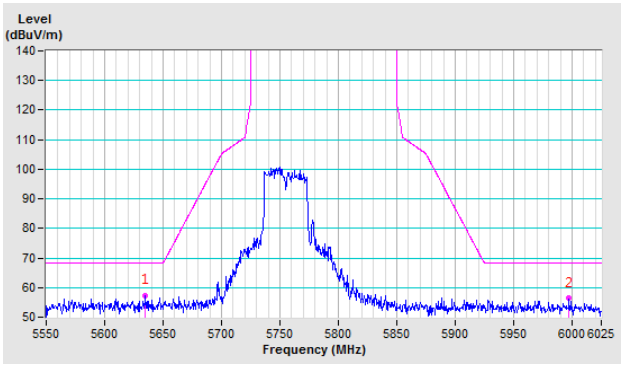
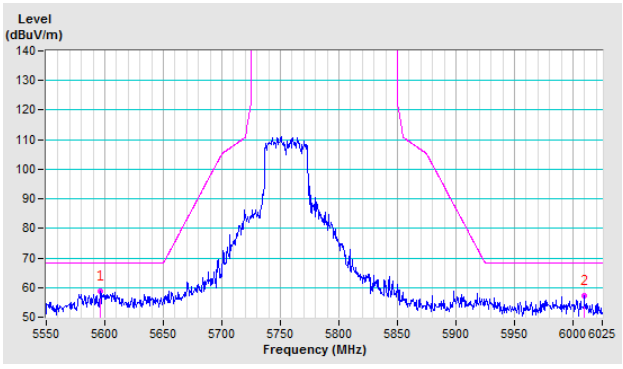
Horizontal	Vertical
	

CH 165 5825 MHz

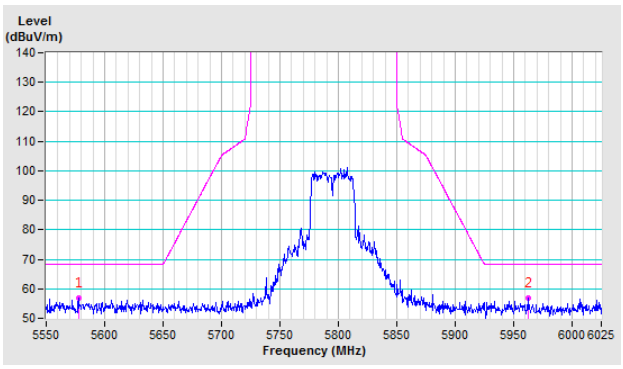
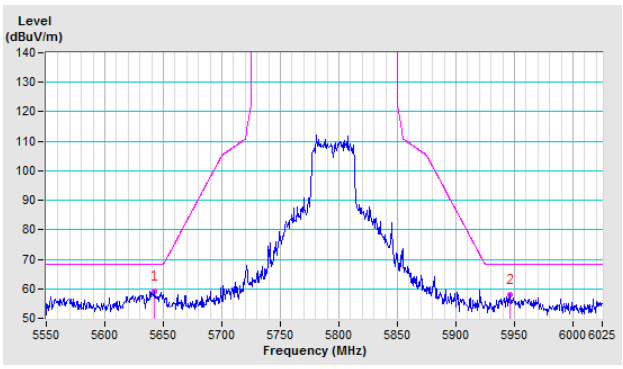
Horizontal	Vertical
	

802.11ac (VHT40)

CH 151 5755 MHz

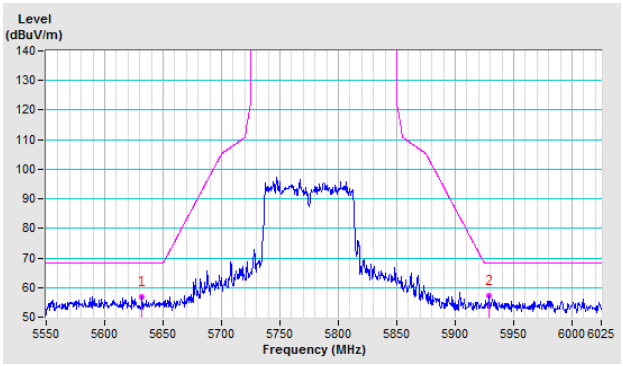
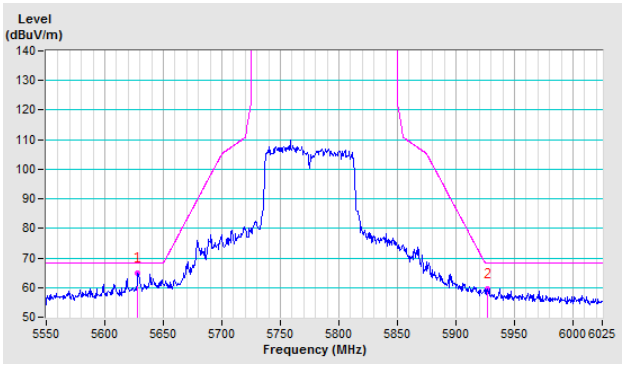
Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

802.11ac (VHT80)

CH 155 5775 MHz

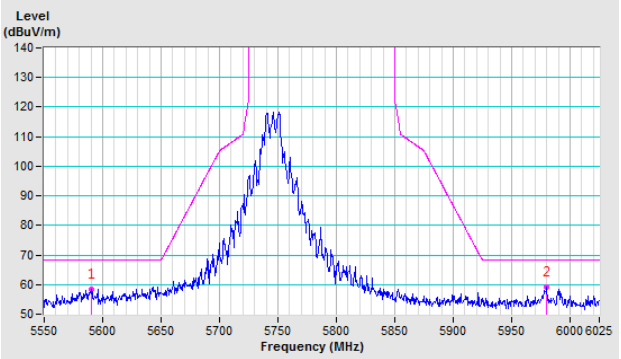
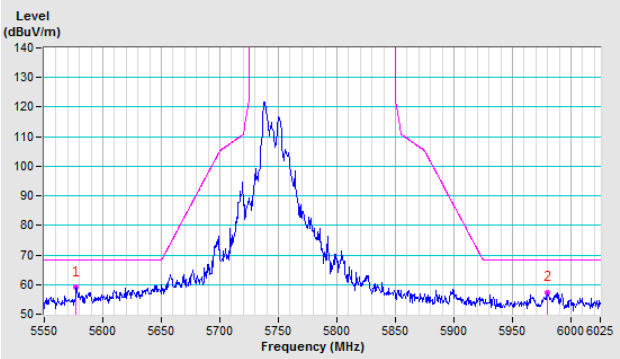
Horizontal	Vertical
	

Test Result (Mode 3)

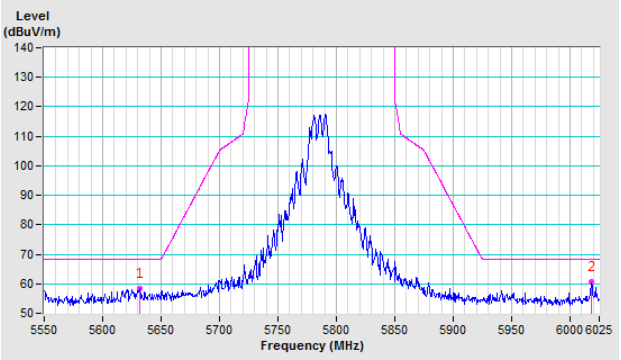
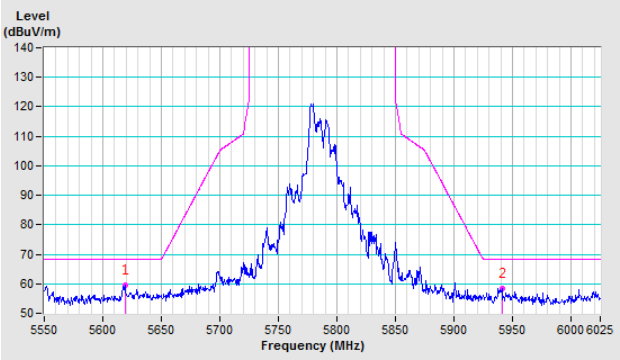
Sector Antenna

802.11a

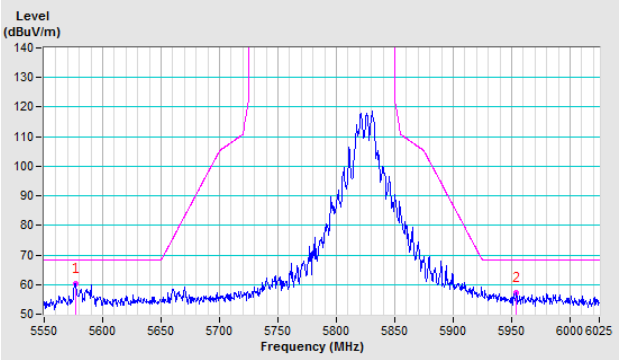
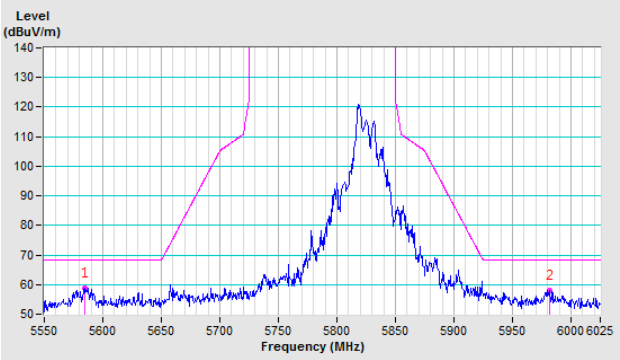
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

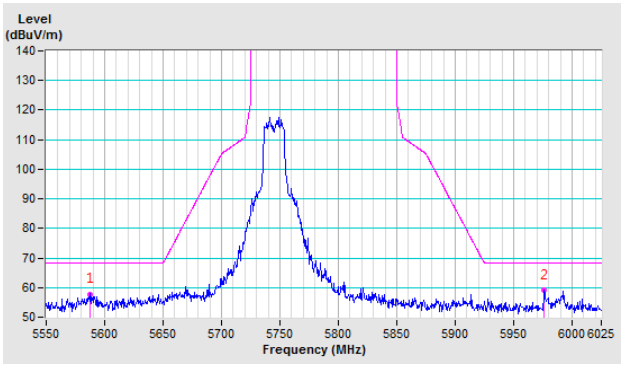
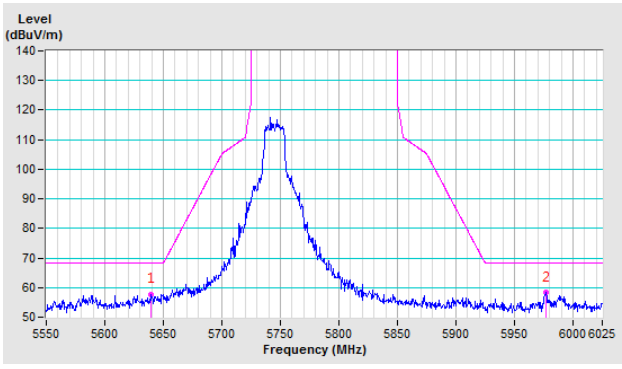
Horizontal	Vertical
	

CH 165 5825 MHz

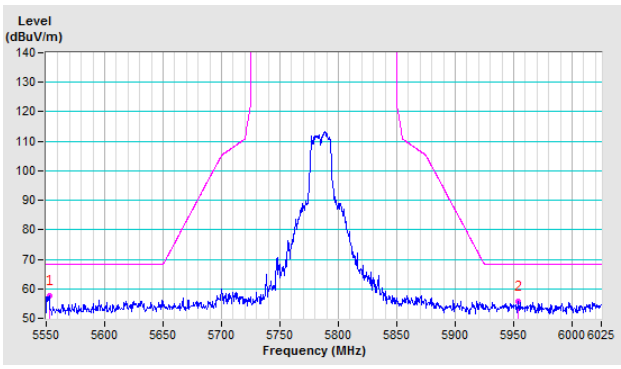
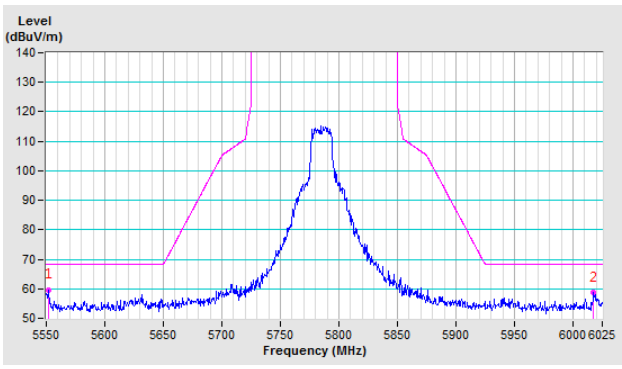
Horizontal	Vertical
	

802.11ac (VHT20)

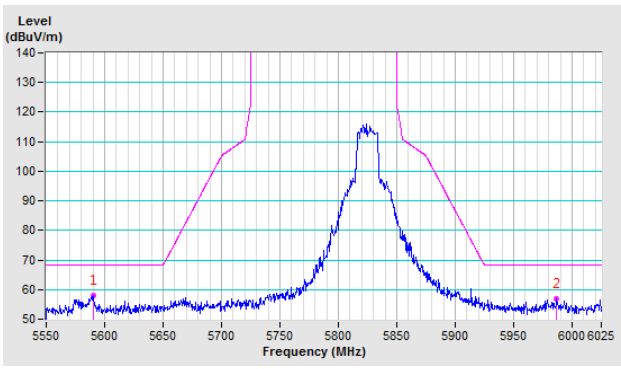
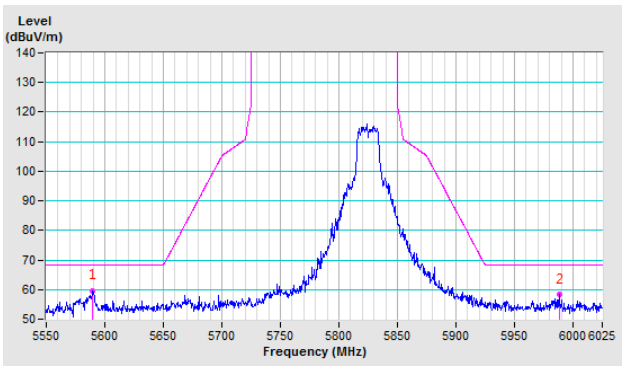
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

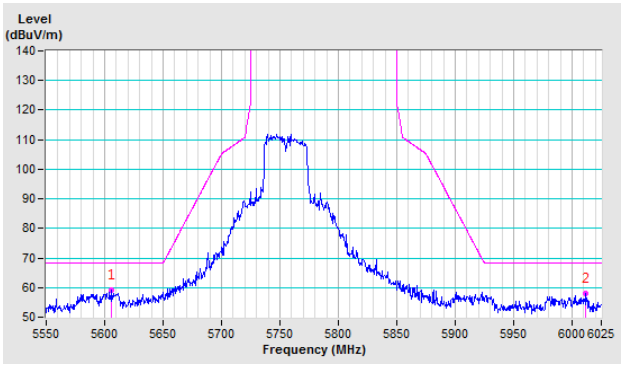
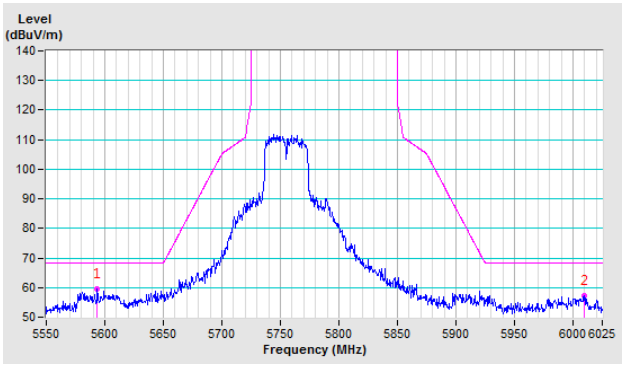
Horizontal	Vertical
	

CH 165 5825 MHz

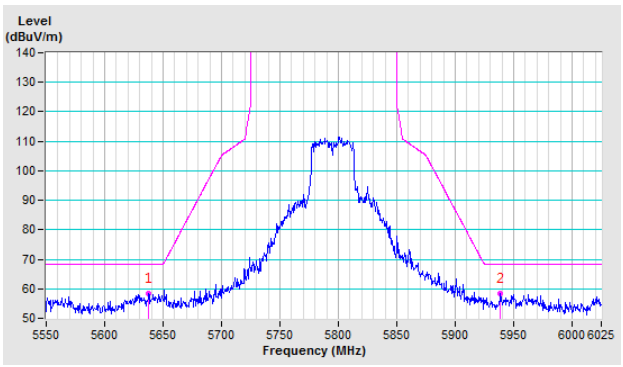
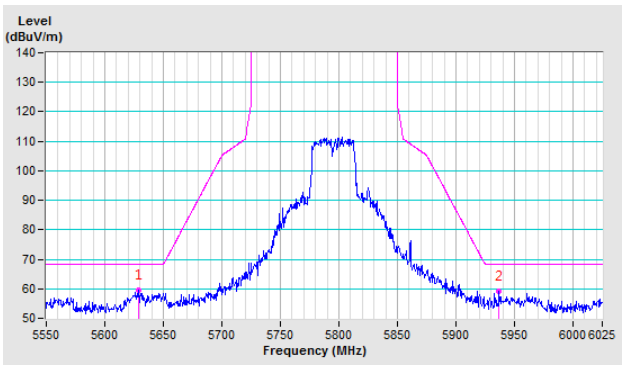
Horizontal	Vertical
	

802.11ac (VHT40)

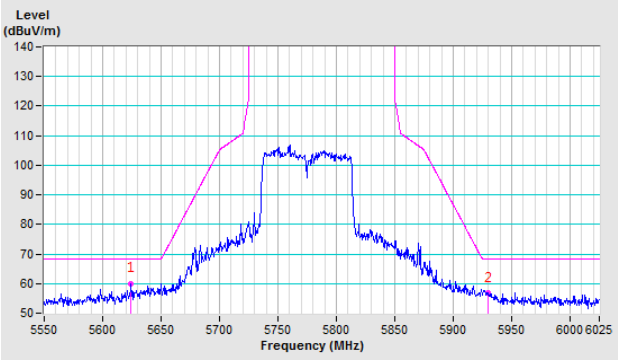
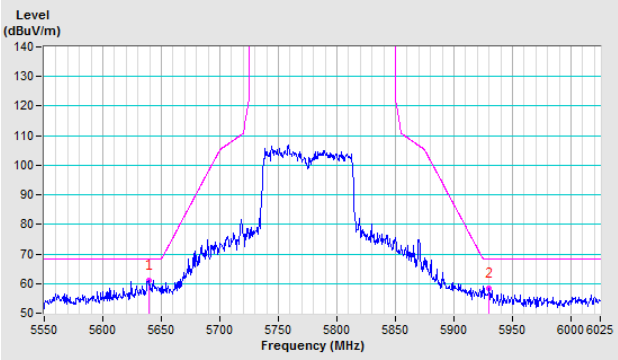
CH 151 5755 MHz

Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

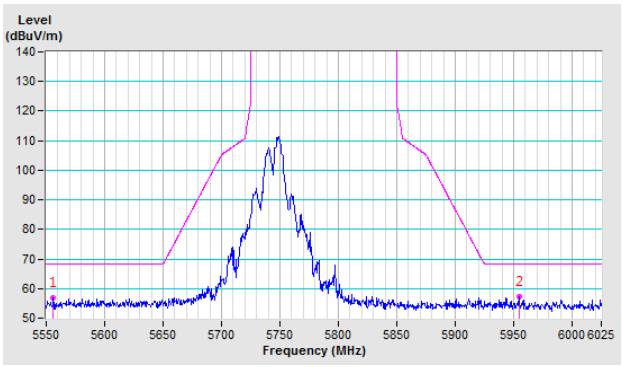
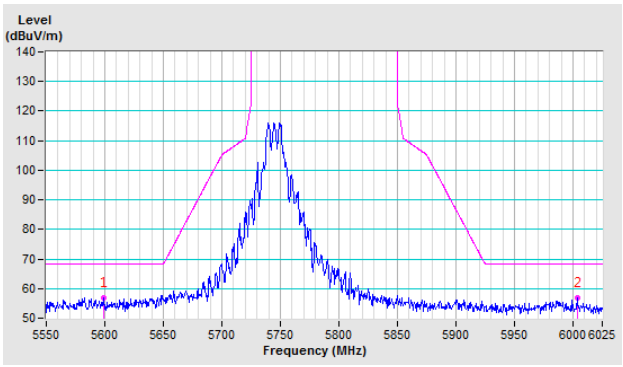
802.11ac (VHT80)

CH 155 5775 MHz	
Horizontal	**Vertical**
	

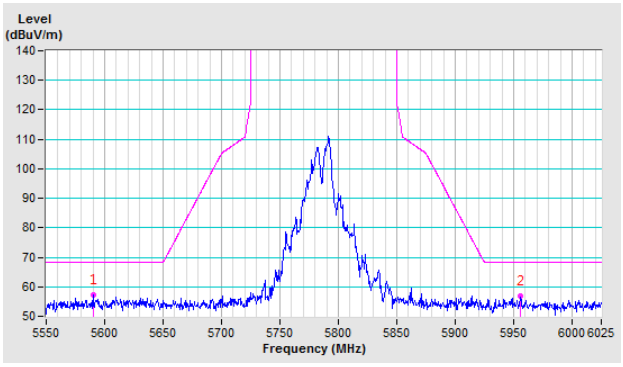
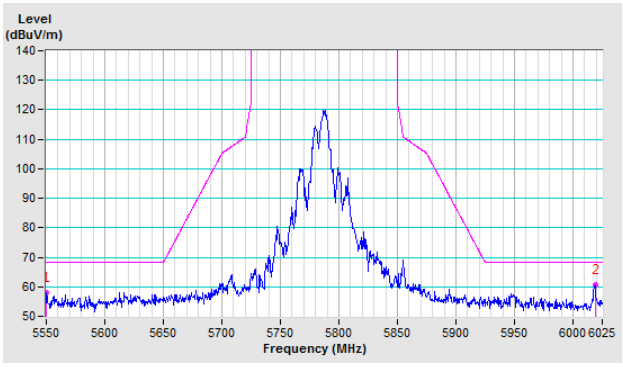
Omnidirectional Antenna

802.11a

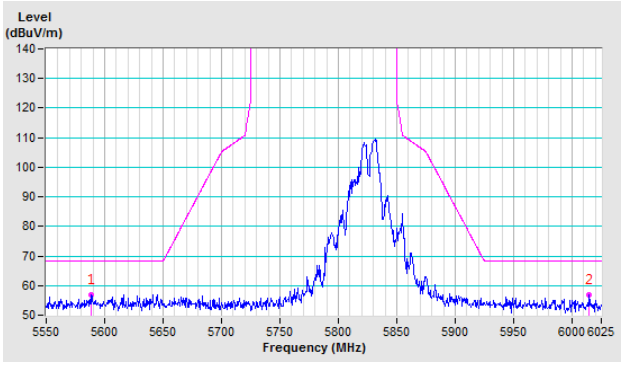
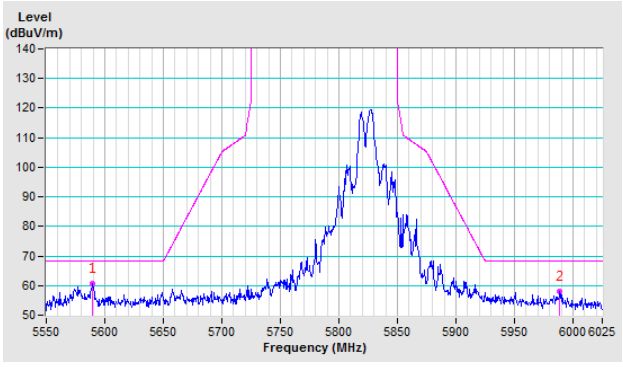
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

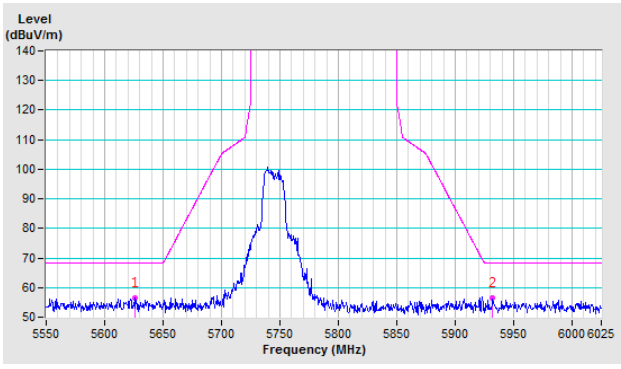
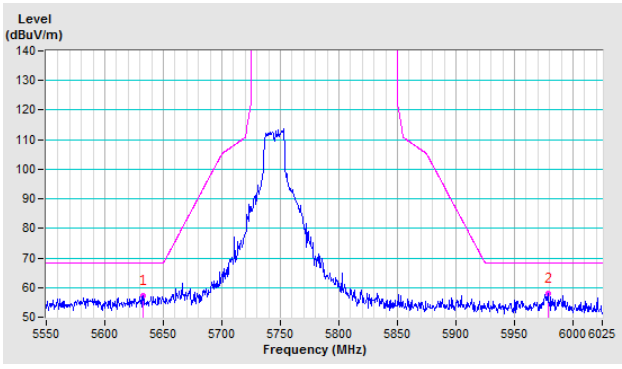
Horizontal	Vertical
	

CH 165 5825 MHz

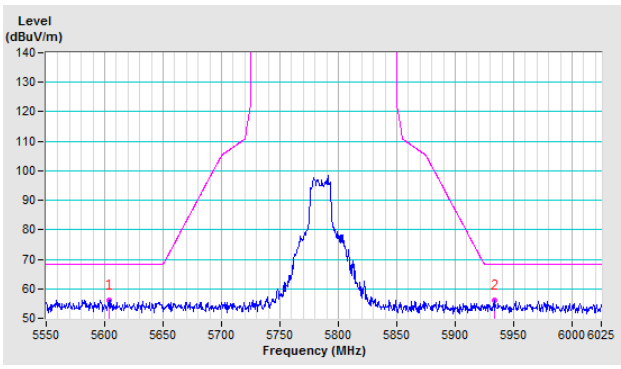
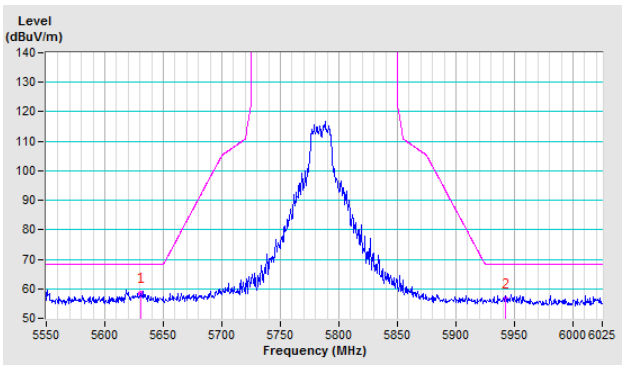
Horizontal	Vertical
	

802.11ac (VHT20)

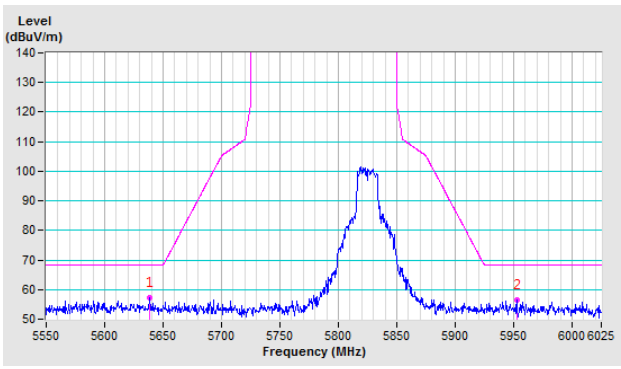
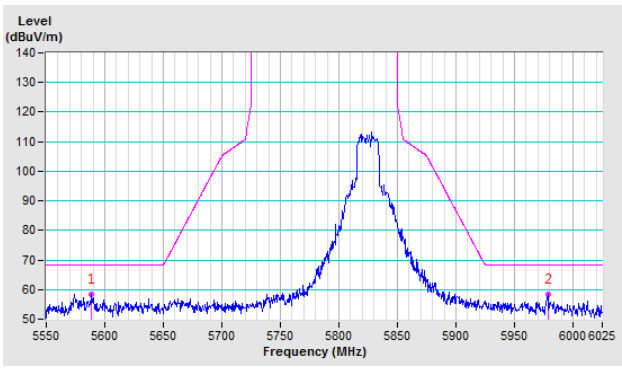
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

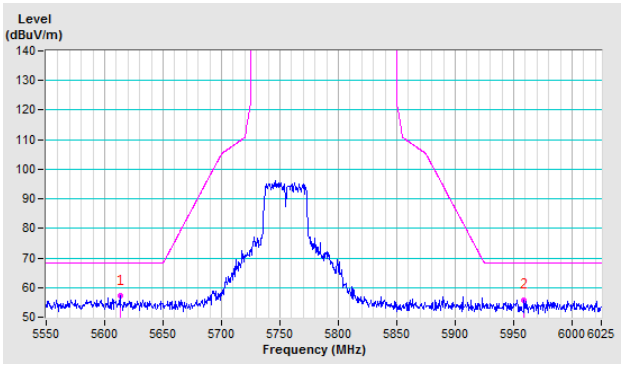
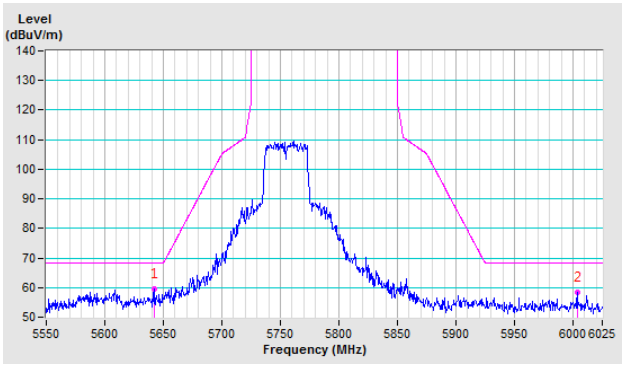
Horizontal	Vertical
	

CH 165 5825 MHz

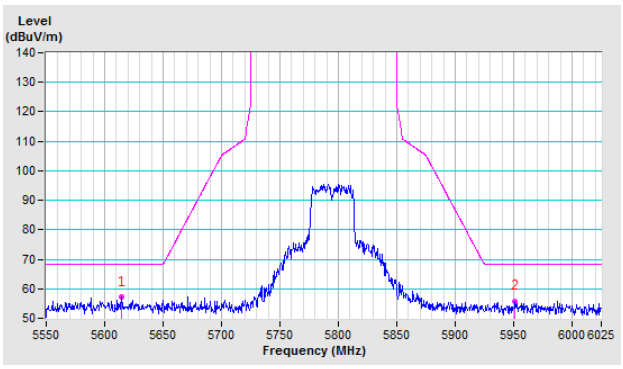
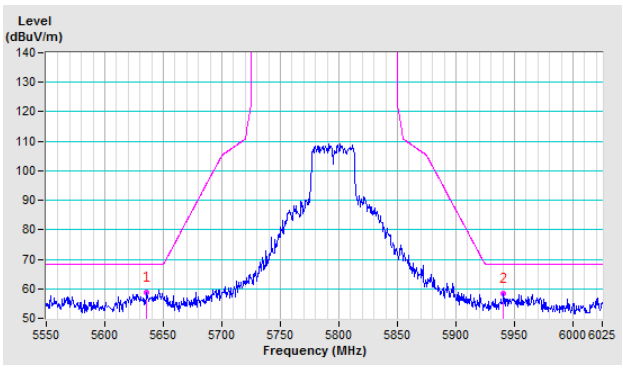
Horizontal	Vertical
	

802.11ac (VHT40)

CH 151 5755 MHz

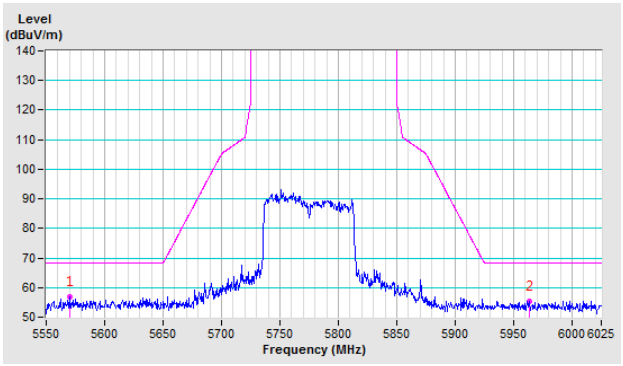
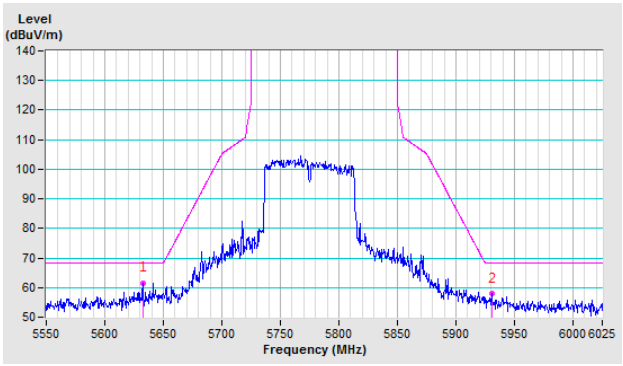
Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

802.11ac (VHT80)

CH 155 5775 MHz

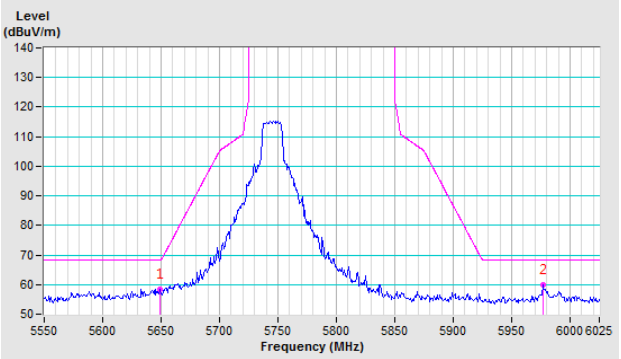
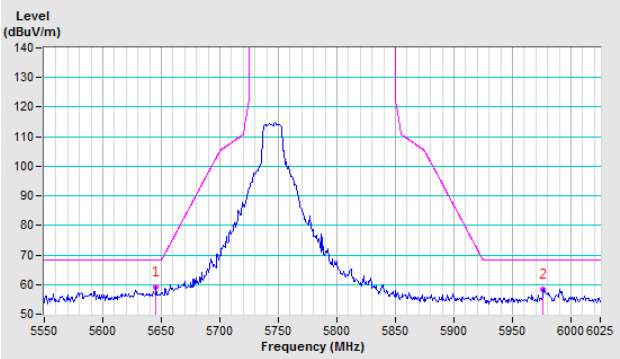
Horizontal	Vertical
	

Test Result (Mode 4)

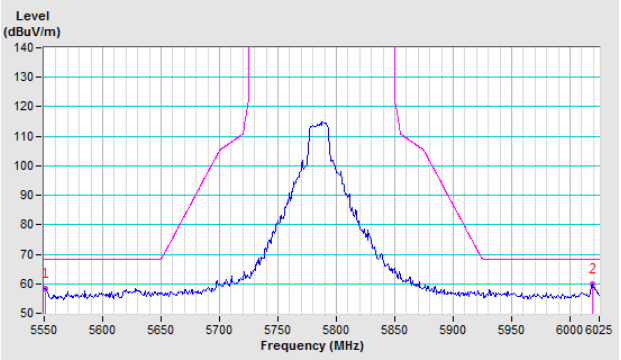
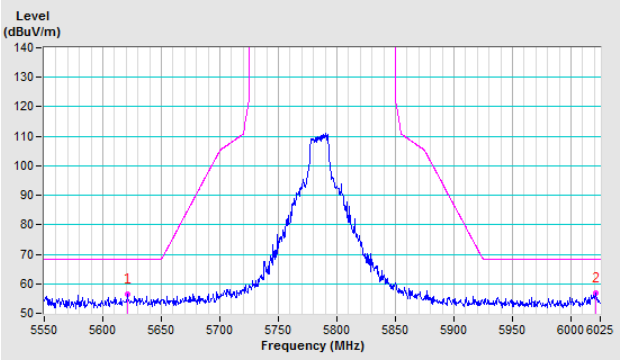
Sector Antenna

802.11a

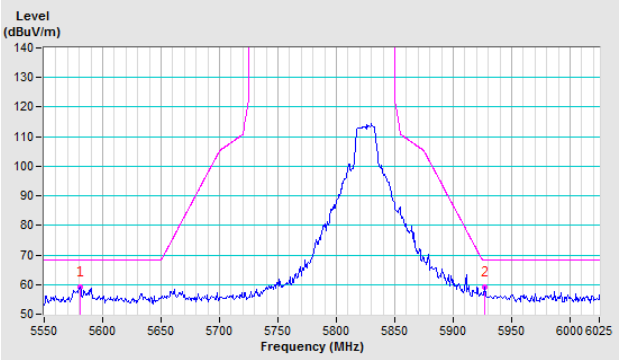
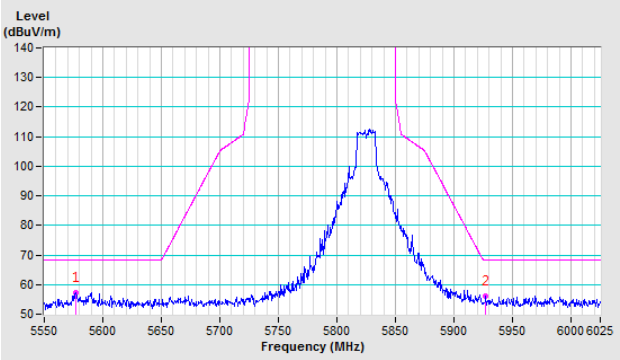
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

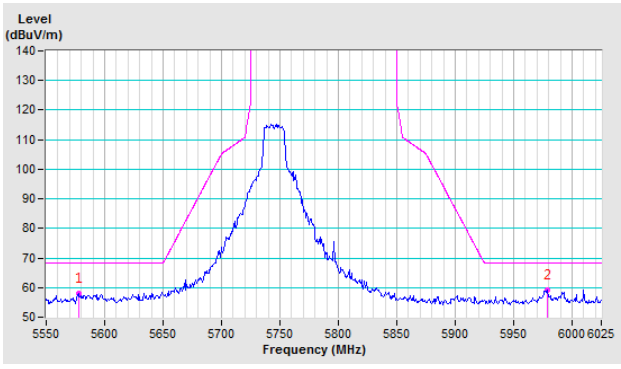
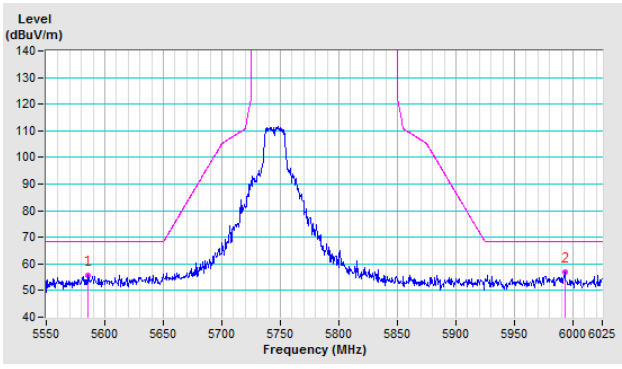
Horizontal	Vertical
	

CH 165 5825 MHz

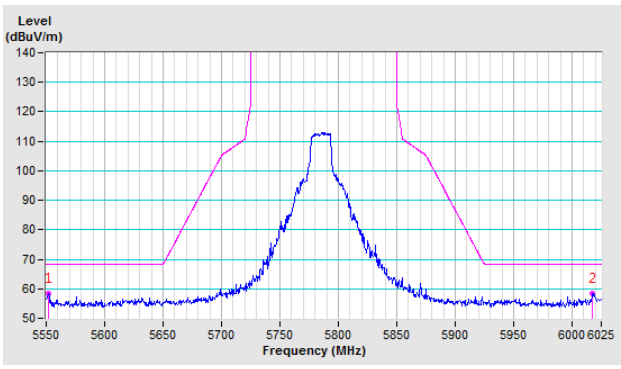
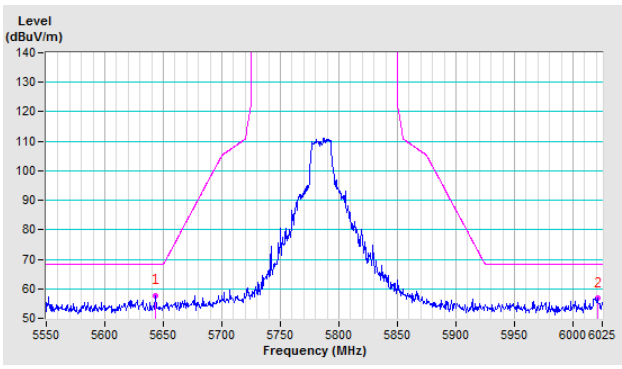
Horizontal	Vertical
	

802.11ac (VHT20)

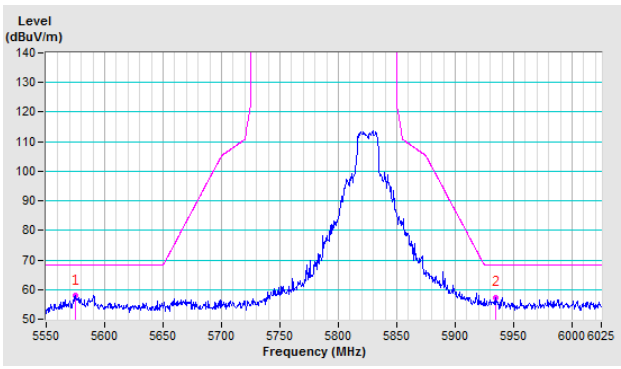
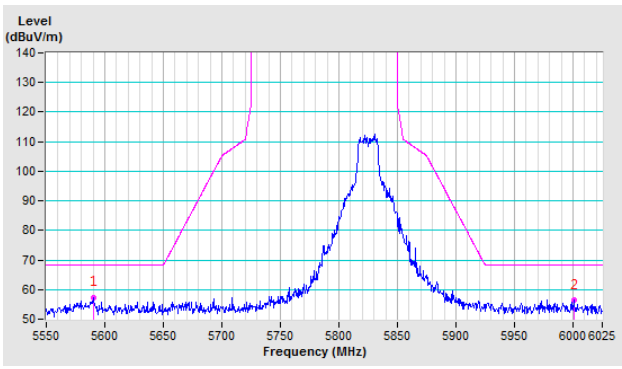
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

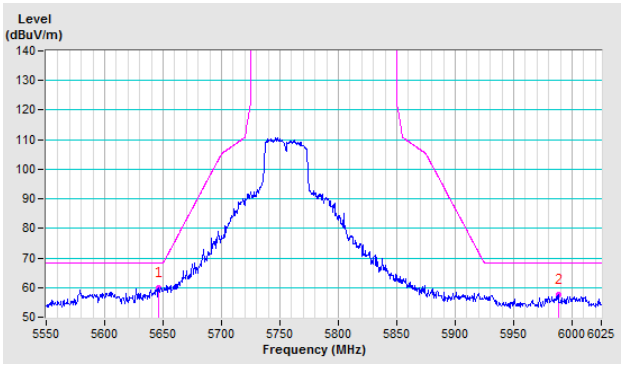
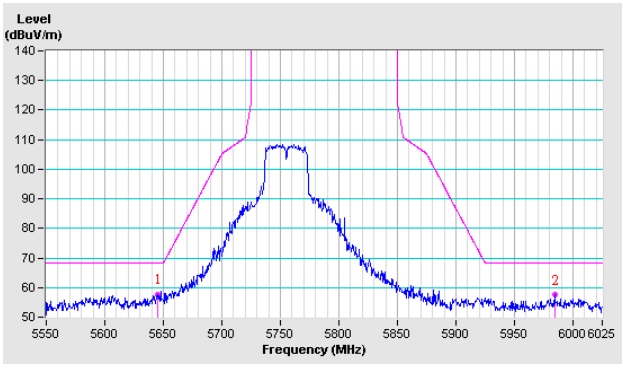
Horizontal	Vertical
	

CH 165 5825 MHz

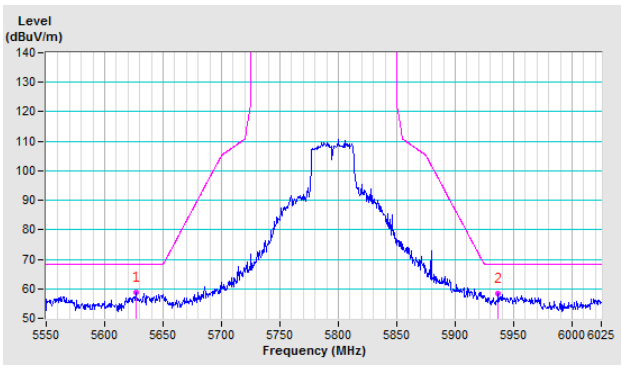
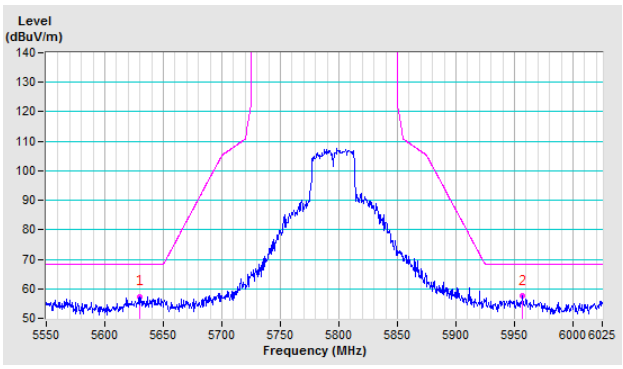
Horizontal	Vertical
	

802.11ac (VHT40)

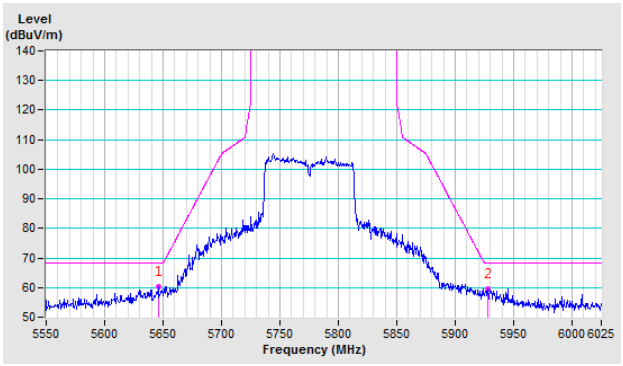
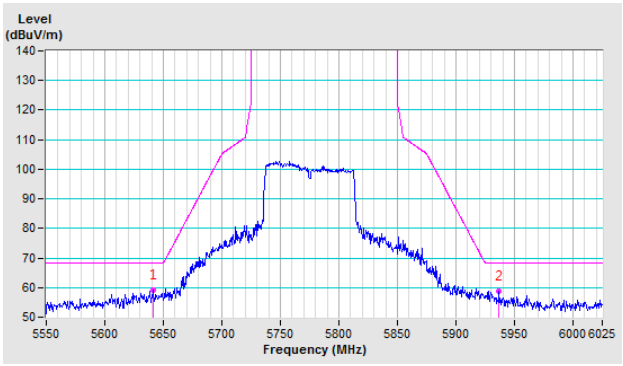
CH 151 5755 MHz

Horizontal	Vertical
	

CH 159 5795 MHz

Horizontal	Vertical
	

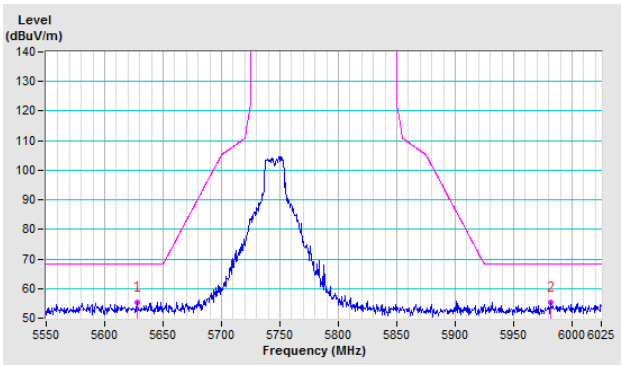
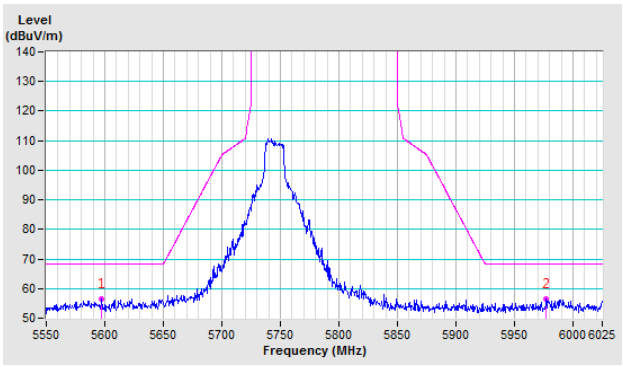
802.11ac (VHT80)

CH 155 5775 MHz	
Horizontal	**Vertical**
	

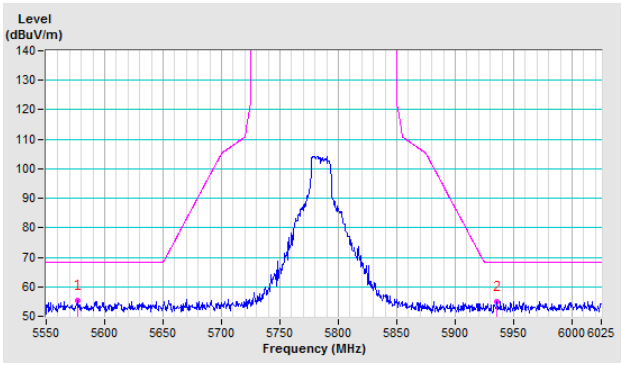
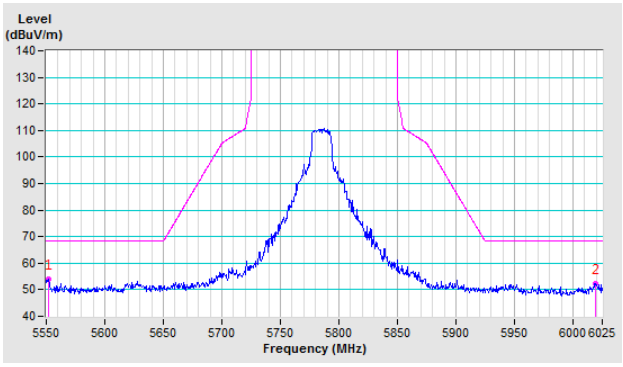
Omnidirectional Antenna

802.11a

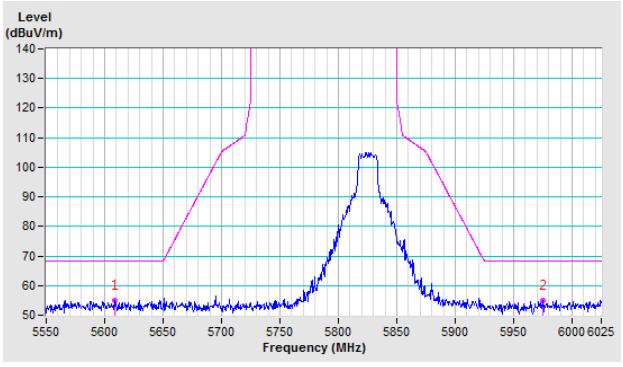
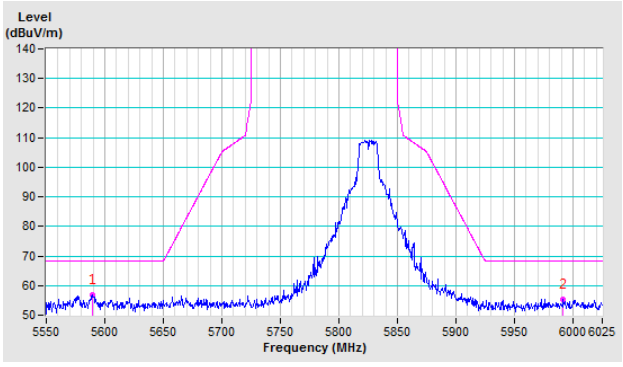
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

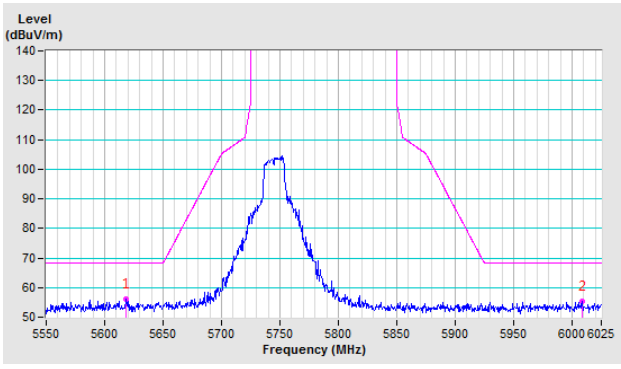
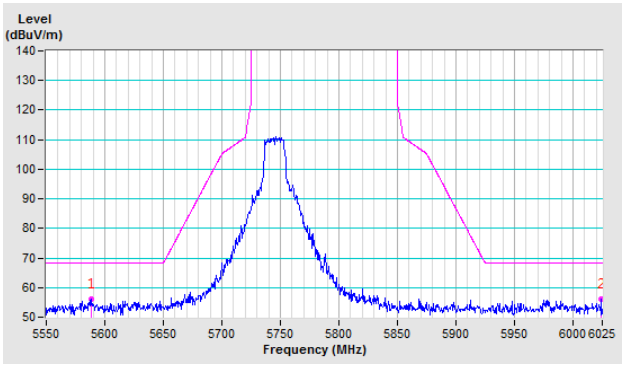
Horizontal	Vertical
	

CH 165 5825 MHz

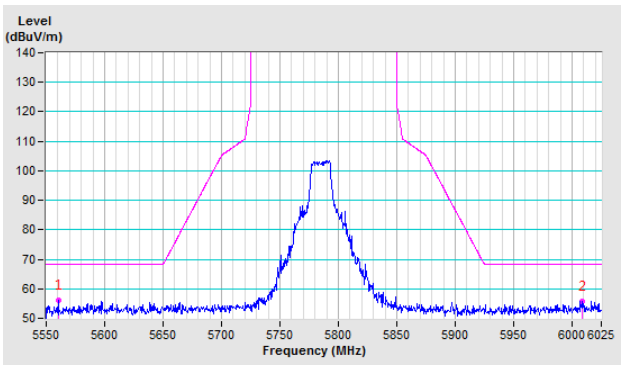
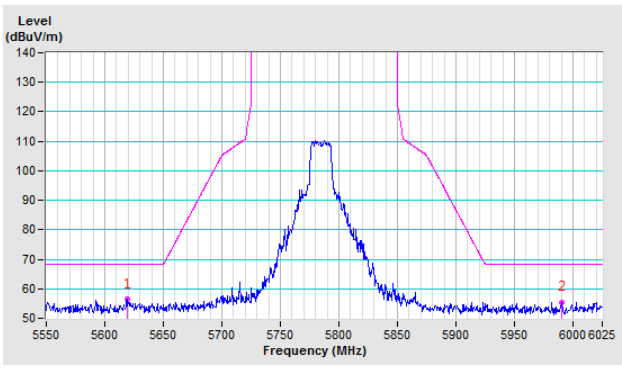
Horizontal	Vertical
	

802.11ac (VHT20)

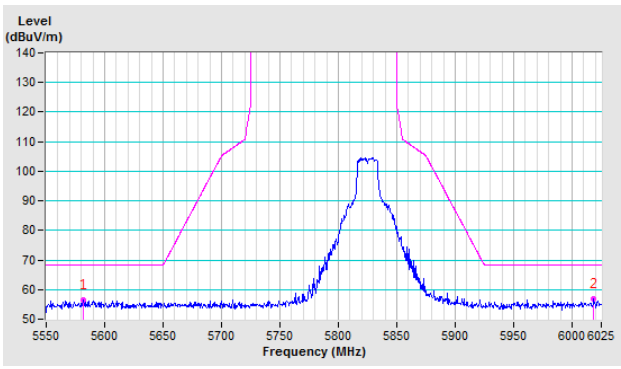
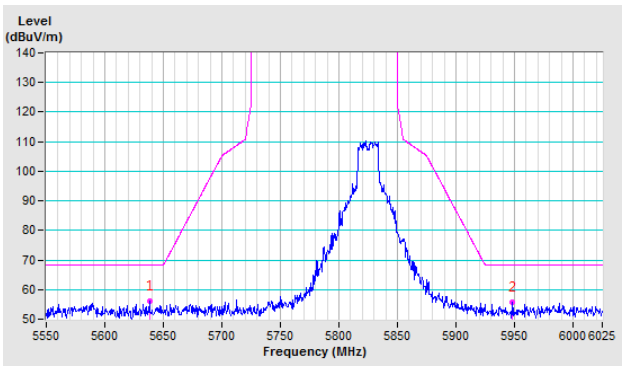
CH 149 5745 MHz

Horizontal	Vertical
	

CH 157 5785 MHz

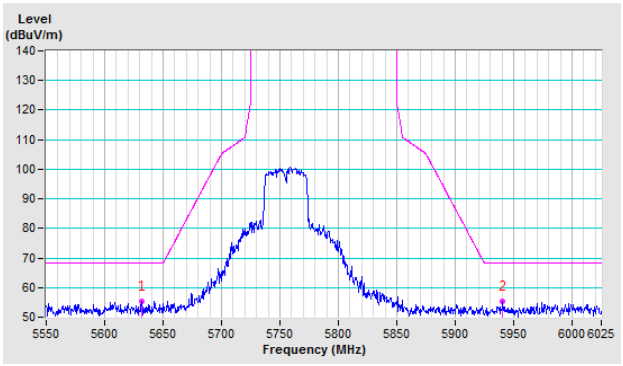
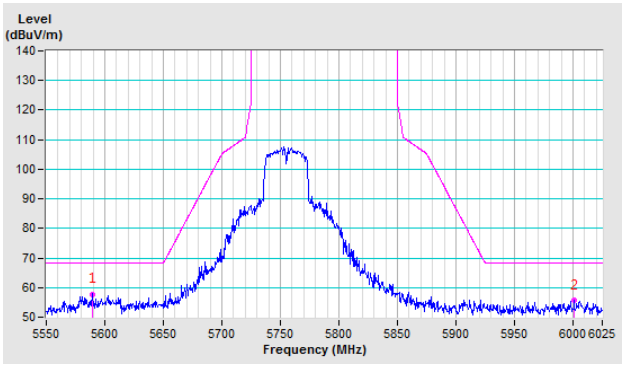
Horizontal	Vertical
	

CH 165 5825 MHz

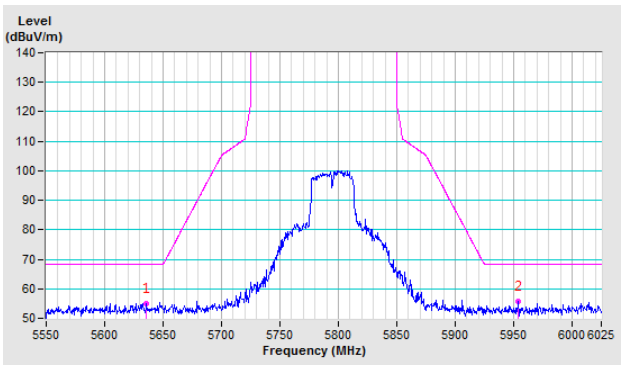
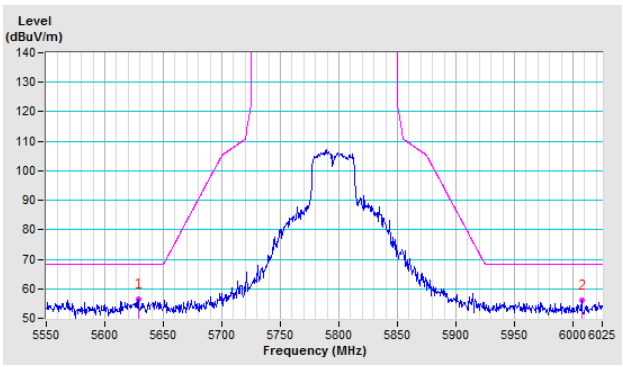
Horizontal	Vertical
	

802.11ac (VHT40)

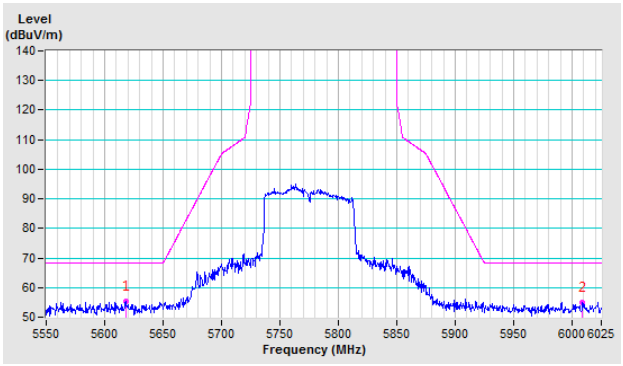
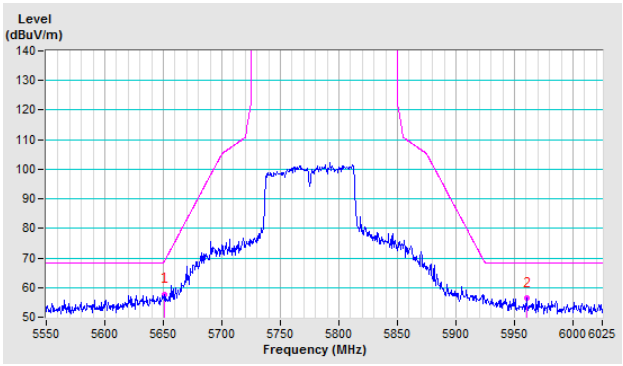
CH 151 5755 MHz

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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