FCC Test Report (WLAN)

Report No.:	RF140605E01D-1
FCC ID:	TLZ-CB178NF
Test Model:	AW-CB178NF, AW-CB178NF(UART)
Series Model:	AW-CB178NF-ZP
Received Date:	Feb. 14, 2014
Test Date:	Feb. 14 to Aug. 14, 2014 and Dec. 07 to 14, 2015
Issued Date:	Dec. 22, 2015
Applicant:	AzureWave Technologies, Inc.
Address:	8F., No.94, Baozhong Rd. , Xindian Dist., New Taipei City , Taiwan 231
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 (1):	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
Test Location (2):	No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan R.O.C.

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Release Control Record

Issue No.	Description	Date Issued
RF140605E01D-1	Original release.	Dec. 22, 2015

1 Certificate of Conformity

Product:	802.11ac/a/b/g/n 2X2 MIMO WLAN & Bluetooth M.2 module
Brand:	AzureWave
Test Model:	AW-CB178NF, AW-CB178NF(UART)
Series Model:	AW-CB178NF-ZP
Sample Status:	ENGINEERING SAMPLE
Applicant:	AzureWave Technologies, Inc.
Test Date:	Feb. 14 to Aug. 14, 2014 and Dec. 07 to 14, 2015
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:** Dec. 22, 2015

Midoli Peng / Specialist

Approved by : _____ , **Date:** Dec. 22, 2015

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)(6)	AC Power Conducted Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -14.08dB at 0.53281MHz
15.407(b) (1/2/3/4/6)	Radiated Emissions & Band Edge Measurement	PASS	Meet the requirement of limit. Minimum passing margin is -0.2dB at 5470.00MHz & 5725.00MHz
15.407(a)(1/2/3)	Max Average Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(1/2/3)	Peak Power Spectral Density	PASS	Meet the requirement of limit.
15.407(e)	6dB bandwidth	PASS	Meet the requirement of limit. (U-NII-3 Band only)
15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	1. For PCB Antenna connector is R-SMA not a standard connector. 2. For PIFA Antenna connector is mini - ipex not a standard connector.

NOTE: 1. Upgraded the standard to section 15.407 under new rule and added 1 set of new antennas

2. For WLAN: The EUT was operating in 2.4 ~ 2.4835GHz, 5.15~5.35GHz, 5.47 ~ 5.60GHz & 5.65 ~ 5.725GHz and 5.725~5.85GHz frequencies band. This report was recorded the RF parameters including 5.15~5.35GHz, 5.47 ~ 5.60GHz & 5.65 ~ 5.725GHz and 5.725~5.85GHz. For the 2.4 ~ 2.4835MHz RF parameters was recorded in another test report.

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	Expended Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.86 dB
Radiated Emissions up to 1 GHz	30MHz ~ 1GHz	5.19 dB
Radiated Emissions above 1 GHz	1GHz ~ 6GHz	3.43 dB
	6GHz ~ 18GHz	3.49 dB
	18GHz ~ 40GHz	4.11 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT (WLAN)

Product	802.11ac/a/b/g/n 2X2 MIMO WLAN & Bluetooth M.2 module
Brand	AzureWave
Test Model	AW-CB178NF, AW-CB178NF(UART)
Series Model	AW-CB178NF-ZP
Status of EUT	ENGINEERING SAMPLE
Power Supply Rating	3.3Vdc from host equipment
Modulation Type	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode
Modulation Technology	DSSS,OFDM
Transfer Rate	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n : up to 300Mbps 802.11ac: up to 866.7Mbps
Operating Frequency	For 15.407 5.18 ~ 5.24GHz, 5.26 ~ 5.32GHz, 5.50 ~ 5.58GHz & 5.66 ~ 5.70GHz, 5.745 ~ 5.825GHz
	For 15.247 2.412 ~ 2.462GHz
Number of Channel	For 15.407 21 for 802.11a, 802.11n (HT20), 802.11ac (VHT20) 9 for 802.11n (HT40), 802.11ac (VHT40) 4 for 802.11ac (VHT80)
	For 15.247 11 for 802.11b/g, 802.11n (HT20) 7 for 802.11n (HT40)
Output Power	**For 15.407** 802.11a: 92.229mW 802.11ac (VHT20): 96.455mW 802.11ac (VHT40): 71.625mW 802.11ac (VHT80): 15.489mW
	For 15.247 802.11b: 195.223mW 802.11g: 738.888mW 802.11n (HT20): 749.096mW 802.11n (HT40): 297.044mW
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.: RF140605E01-1 design is as the following:
   - ◆ Upgraded the standard to section 15.407 under new rule.
   - ◆ Added one model name for marketing requirement as below table

Original		
Brand Name	Model No.	Description
AzureWave	AW-CB178NF(UART)	With UART interface
	AW-CB178NF	Without UART interface
Newly		
Brand Name	Model No.	Description
AzureWave	AW-CB178NF-ZP	With UART interface

From the model names, the radiated emission worst case was found in model No.: **AW-CB178NF**. Therefore only the test data of the mode was recorded in this report.

- ◆ Added 1 set of new antennas(Set 4) as below table:

Original Antenna

Set 1 Antenna

Transmitter Circuit	Brand	Model	Ant. Gain (dBi) < Excluding cable loss>	Cable Loss (dB)		Net. Gain (dBi)	Frequency range (MHz to MHz)	Ant. Type	Connecter Type	Cable Length (mm)
				100 mm	180 mm					
Chain (0)	TE	2118433-1	2.18	1	0.54	0.64	2400~2484	PCB	R-SMA	100+180
			2.34	1.3	0.96	0.08	5150~5850			
Chain (1)	TE	2118433-1	2.18	1	0.54	0.64	2400~2484	PCB	R-SMA	100+180
			2.34	1.3	0.96	0.08	5150~5850			

Set 2 Antenna

Transmitter Circuit	Brand	Model	Ant. Gain(dBi) <Including cable loss>	Frequency range (MHz to MHz)	Ant. Type	Connecter Type	Cable Length (mm)
Chain (0)	Walsin	RFPCA310715EMLB301	3.06	2400~2500	PIFA	mini - ipex	150
			4.81	5150~5850			
Chain (1)	Walsin	RFPCA310715EMLB301	3.06	2400~2500	PIFA	mini - ipex	150
			4.81	5150~5850			

Set 3 Antenna

Transmitter Circuit	Brand	Model	Ant. Gain(dBi) <Including cable loss>	Frequency range (MHz to MHz)	Ant. Type	Connecter Type	Cable Length (mm)
Chain (0)	Wistron NeWeb Corporation	81EAAX15.G12	1.02	2400~2484	PIFA	mini - ipex	254
			-1.03	5150~5850			
Chain (1)	Wistron NeWeb Corporation	81EAAX15.G12	1.02	2400~2484	PIFA	mini - ipex	563
			-1.03	5150~5850			

Newly Antenna										
Set 4 Antenna										
Transmitter Circuit	Brand	Model	Antenna Gain(dBi) Including 1285mm cable loss Excluding 60mm cable loss	Cable Loss (dB)		Net. Gain (dBi)	Frequency range (MHz to MHz)	Ant. Type	Connecter Type	Cable Length (mm)
				1285 mm	60 mm					
Chain (0)	TE	2118406-3	0.38	NA	-0.35	0.03	2300~3800	PCB	R-SMA	1285 +60
			-0.18	NA	-0.73	-0.91	5150~5875			
Chain (1)	TE	2118406-3	0.38	NA	-0.35	0.03	2300~3800	PCB	R-SMA	1285 +60
			-0.18	NA	-0.73	-0.91	5150~5875			
Note: 1. From the above 1TX configuration mode, the worst case was found in transmission circuit on Chain (1). 2. For BT mode will fix transmission on Chain (0). 3. From the above antenna sets, Set 1 Antenna and Set 2 Antenna were selected as representative antenna for the test and its data was recorded in this report.										

2. For the new antenna sources, their antenna types are identical to original and the gains are smaller, therefore no addition test has to be performed.

3. For the upgraded standard version :

   - **For U-NII-1 & U-NII-3 band:** All test items need to be performed, except for AC power conducted emission test item.
   - **For UNII-2A & UNII-2C:** There is no addition test has to be performed. All test data was copied from the original test report (Report No.: RF140605E01-1) and all data was verified to meet the requirements.

4. There are Bluetooth 4.0 technology and WLAN (2.4GHz and 5GHz) technology used for the EUT.

5. For WLAN: 2.4GHz and 5GHz technology cannot transmit at same time.

6. WLAN/BT coexistence mode:

Condition	Technology	
1	WLAN(2.4GHz) 1TX only	BT
2	WLAN(5GHz) 1TX only	BT

From above coexistence mode, radiated emission of the simultaneous operation has been evaluated and no non-compliance was found.

7. The EUT incorporates a MIMO function.

MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11a	6 ~ 54Mbps	1Tx (diversity)	1Rx (diversity)
		2TX(CDD)	2Rx
802.11b	1 ~ 11Mbps	1Tx (diversity)	1Rx (diversity)
		2TX(CDD)	2Rx
802.11g	6 ~ 54Mbps	1Tx (diversity)	1Rx (diversity)
		2TX(CDD)	2Rx
802.11n (HT20)	MCS 0~7	1Tx (diversity)	1Rx (diversity)
	MCS 8~15	2Tx	2Rx
802.11n (HT40)	MCS 0~7	1Tx (diversity)	1Rx (diversity)
	MCS 8~15	2Tx	2Rx
802.11ac (VHT20) (5GHz)	MCS0~8 Nss=1	1Tx (diversity)	1Rx (diversity)
	MCS0~8 Nss=2	2Tx	2Rx
802.11ac (VHT40) (5GHz)	MCS0~9 Nss=1	1Tx (diversity)	1Rx (diversity)
	MCS0~9 Nss=2	2Tx	2Rx
802.11ac (VHT80) (5GHz)	MCS0~9 Nss=1	1Tx (diversity)	1Rx (diversity)
	MCS0~9 Nss=2	2Tx	2Rx
Note: The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ac mode for 20MHz (40MHz), therefore investigated worst case to representative mode in test report. (Final test mode refer section 3.2.1)			

8. The above EUT information was declared by the 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	5180 MHz	44	5220 MHz
40	5200 MHz	48	5240 MHz

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

Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
42	5210MHz

FOR 5260 ~ 5320MHz

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

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

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

Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
58	5290MHz

FOR 5500 ~ 5580MHz & 5660MHz ~ 5.700MHz

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

Channel	Frequency	Channel	Frequency
100	5500 MHz	116	5580 MHz
104	5520 MHz	132	5660 MHz
108	5540 MHz	136	5680 MHz
112	5560 MHz	140	5700 MHz

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

Channel	Frequency	Channel	Frequency
102	5510 MHz	134	5670 MHz
110	5550 MHz		

1 channel is provided for 802.11ac (VHT80):

Channel	Frequency
106	5530MHz

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	PLC	APCM	
1	√	√	√	√	PIFA Ant. (Set 2 Ant.) (Model No.: AW-CB178NF)
2	√	√	-	-	PCB Ant. (Set 1 Ant.) (Model No.: AW-CB178NF)
	-	-	√	-	PIFA Ant. (Set 2 Ant.) (Model No.: AW-CB178NF(UART))

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

NOTE 1: "-"means no effect.

NOTE 2: Antenna placement had been investigated on the positioned of each 3 axis.
Following worst case were found as listed below.

Antenna	Worst position
PIFA	Y-plane(Below 1GHz) ; X-plane (Above 1GHz)
PCB	Y-plane(Below 1GHz) ; X-plane (Above 1GHz)

Radiated Emission Test (Above 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6
802.11ac (VHT20)		36 to 48	36, 40, 48	OFDM	13
802.11ac (VHT40)		38 to 46	38, 46	OFDM	27
802.11ac (VHT80)		42	42	OFDM	58.5
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6
802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	13
802.11ac (VHT40)		54 to 62	54, 62	OFDM	27
802.11ac (VHT80)		58	58	OFDM	58.5
802.11a	5500 ~ 5580 & 5660 ~ 5700	100 to 140	100, 116, 132, 140	OFDM	6
802.11ac (VHT20)		100 to 140	100, 116, 132, 140	OFDM	13
802.11ac (VHT40)		102 to 134	102, 110, 134	OFDM	27
802.11ac (VHT80)		106	106	OFDM	58.5
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6
802.11ac (VHT20)		149 to 165	149, 157, 165	OFDM	13
802.11ac (VHT40)		151 to 159	151, 159	OFDM	27
802.11ac (VHT80)		155	155	OFDM	58.5

Radiated Emission Test (Below 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11a	5180-5320, 5500 ~ 5580 & 5660 ~ 5700, 5745-5825	36 to 64, 100 to 140, 149 to 165	60	OFDM	6

Power Line Conducted Emission Test:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11a	5180-5320, 5500 ~ 5580 & 5660 ~ 5700, 5745-5825	36 to 64, 100 to 140, 149 to 165	60	OFDM	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.

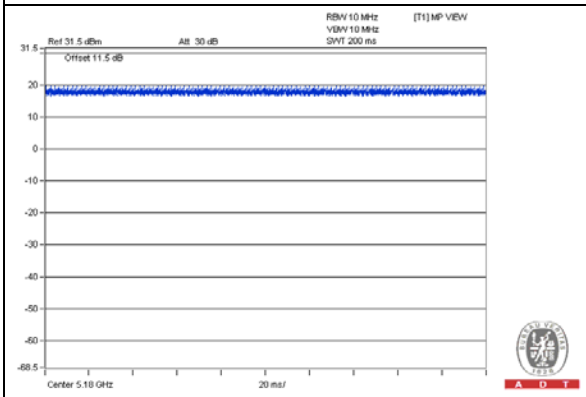
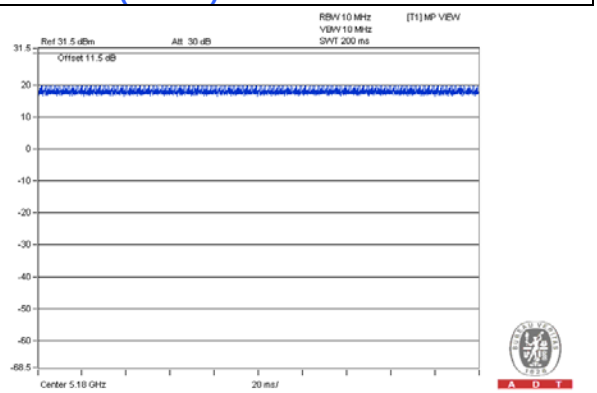
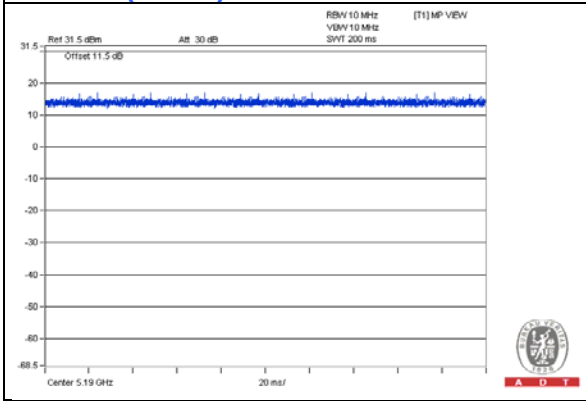
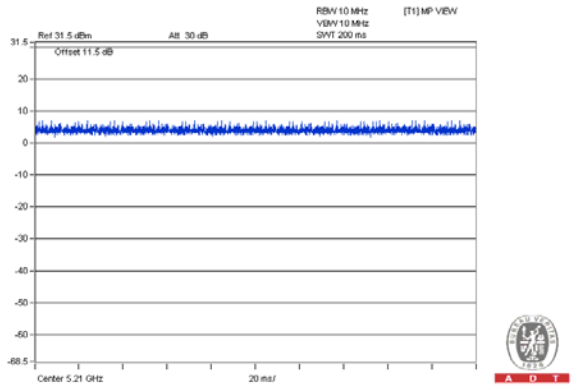
MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	DATA RATE (Mbps)
802.11a	5180-5240	36 to 48	36, 40, 48	OFDM	6
802.11ac (VHT20)		36 to 48	36, 40, 48	OFDM	13
802.11ac (VHT40)		38 to 46	38, 46	OFDM	27
802.11ac (VHT80)		42	42	OFDM	58.5
802.11a	5260-5320	52 to 64	52, 60, 64	OFDM	6
802.11ac (VHT20)		52 to 64	52, 60, 64	OFDM	13
802.11ac (VHT40)		54 to 62	54, 62	OFDM	27
802.11ac (VHT80)		58	58	OFDM	58.5
802.11a	5500 ~ 5580 & 5660 ~ 5700	100 to 140	100, 116, 132, 140	OFDM	6
802.11ac (VHT20)		100 to 140	100, 116, 132, 140	OFDM	13
802.11ac (VHT40)		102 to 134	102, 110, 134	OFDM	27
802.11ac (VHT80)		106	106	OFDM	58.5
802.11a	5745-5825	149 to 165	149, 157, 165	OFDM	6
802.11ac (VHT20)		149 to 165	149, 157, 165	OFDM	13
802.11ac (VHT40)		151 to 159	151, 159	OFDM	27
802.11ac (VHT80)		155	155	OFDM	58.5

Test Condition:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER (SYSTEM)	TESTED BY
RE≥1G	22deg. C, 67%RH	120Vac, 60Hz	Garry Chen
	25deg. C, 65%RH	120Vac, 60Hz	Garry Chen
RE<1G	24deg. C, 65%RH	120Vac, 60Hz	Robert Cheng
	21deg. C, 63%RH	120Vac, 60Hz	Andy Ho
	25deg. C, 65%RH	120Vac, 60Hz	Nelson Teng
PLC	13deg. C, 65%RH	120Vac, 60Hz	Anderson Chen
APCM	25deg. C, 60%RH	120Vac, 60Hz	Robert Cheng

3.3 Duty Cycle of Test Signal

Duty cycle of test signal is 100 %, duty factor is not required.

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.

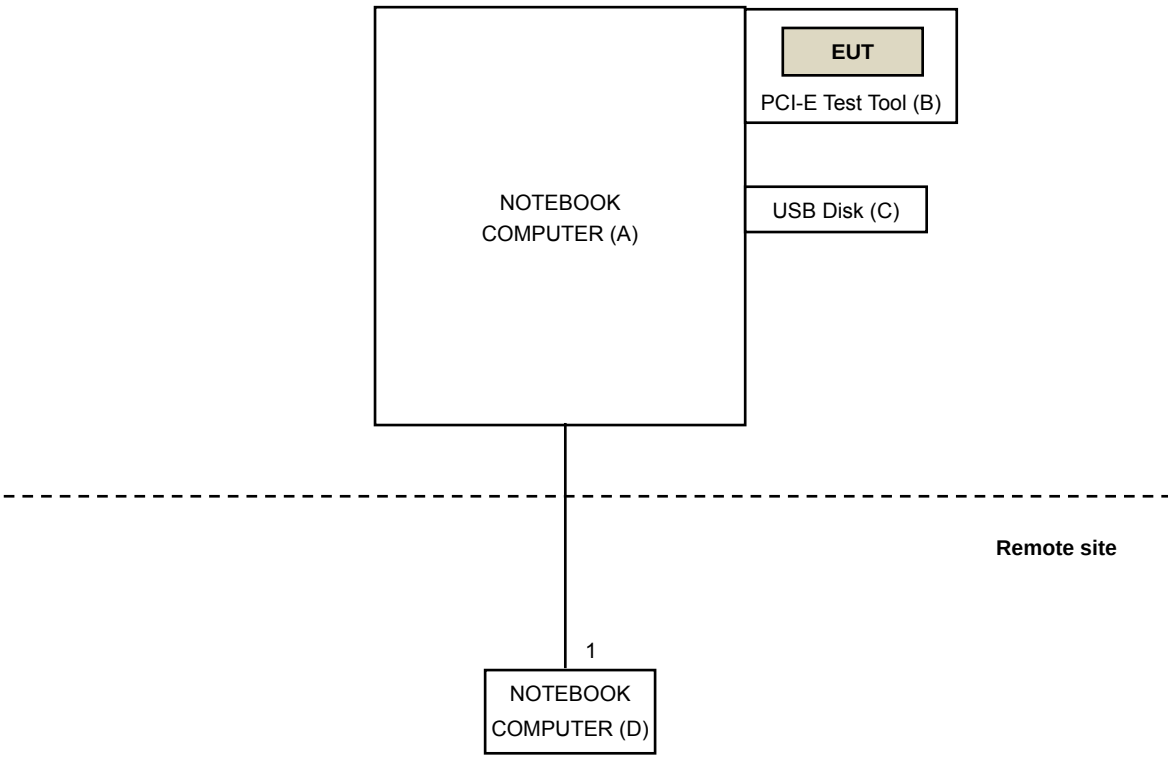
For conducted emission test						
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	NOTEBOOK COMPUTER	HP	EliteBook 8470p	AVB0000504	FCC DoC	Supplied by client
B.	PCI-E Test Tool	AzureWave	NA	NA	NA	Supplied by client
C.	USB Disk	Silicon Power	16G	NA	NA	Supplied by client
D.	NOTEBOOK COMPUTER	DELL	PP32LA	DSLB32S	FCC DoC	Provided by Lab
For radiated emission test						
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	NOTEBOOK COMPUTER	Lenovo	N200	NA	NA	Supplied by client
B.	PCI-E Test Tool	AzureWave	NA	NA	NA	Supplied by client
C.	NOTEBOOK COMPUTER	DELL	E5430	4YV4VY1	FCC DoC	Provided by Lab

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

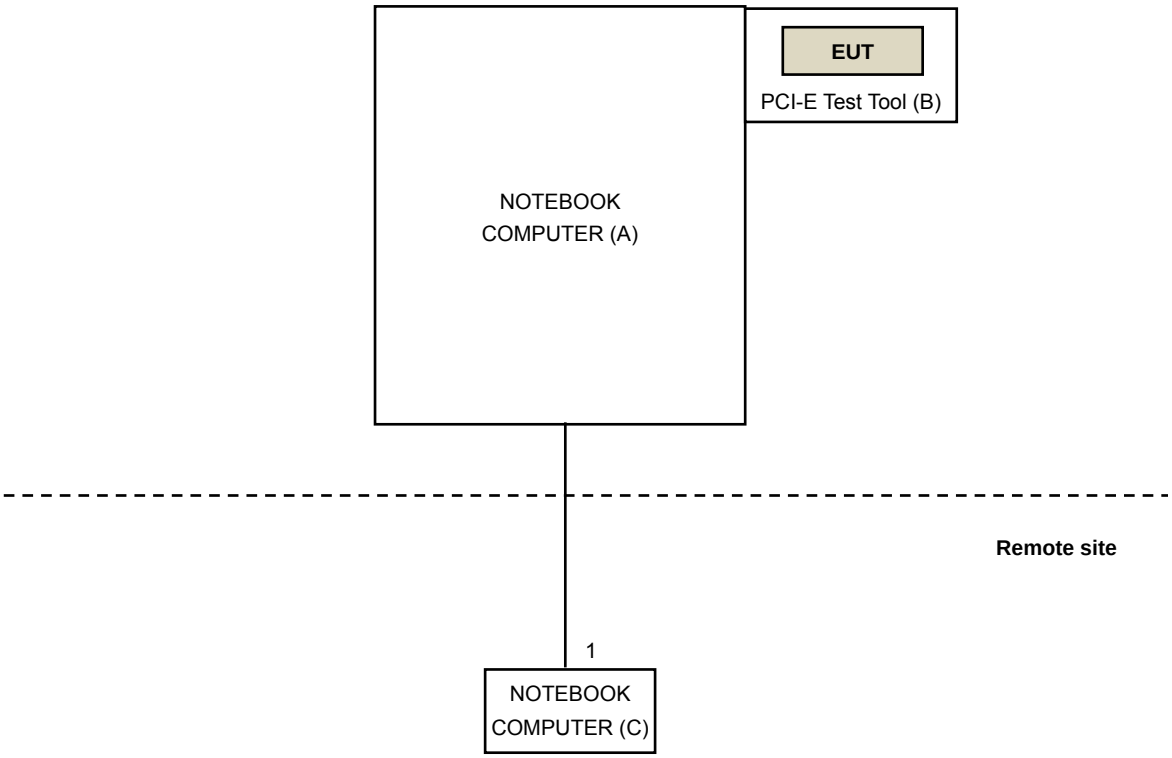
For conducted / radiated emission test						
ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	UTP	1	10	No	0	Provided by Lab

3.4.1 Configuration of System under Test

For conducted emission test



For radiated emission 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 v01
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

APPLICABLE TO	**LIMIT**	
789033 D02 General UNII Test Procedure New Rules v01	FIELD STRENGTH AT 3m	
	PK:74 (dBμV/m)	AV:54 (dBμV/m)
APPLICABLE TO	**EIRP LIMIT**	**EQUIVALENT FIELD STRENGTH AT 3m**
15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
15.407(b)(2)		
15.407(b)(3)		
15.407(b)(4)	PK:-27 (dBm/MHz) [*1] PK:-17 (dBm/MHz) [*2]	PK: 68.2(dBμV/m) [*1] PK:78.2 (dBμV/m) [*2]

NOTE: [*1] beyond 10MHz of the band edge [*2] within 10 MHz of band edge

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	MY54450088	July 24, 2015	July 23, 2016
Pre-Amplifier(*) EMCI	EMC001340	980142	Jan. 13, 2014	Jan. 12, 2016
Loop Antenna(*) Electro-Metrics	EM-6879	264	Dec. 16, 2014	Dec. 15, 2016
RF Cable	NA	LOOPCAB-001 LOOPCAB-002	Jan. 18, 2015	Jan. 17, 2016
Pre-Amplifier Mini-Circuits	ZFL-1000VH2 B	AMP-ZFL-06	Nov. 11, 2015	Nov. 10, 2016
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-406	Feb. 03, 2015	Feb. 02, 2016
RF Cable	8D	966-4-1 966-4-2 966-4-3	Apr. 03, 2015	Apr. 02, 2016
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Feb. 06, 2015	Feb. 05, 2016
Pre-Amplifier Agilent	8449B	3008A01922	Sep. 19, 2015	Sep. 18, 2016
RF Cable	EMC104-SM-SM-2000 EMC104-SM-SM-5000 EMC104-SM-SM-5000	150318 150323 150324	Mar. 31, 2015	Mar. 30, 2016
Pre-Amplifier EMCI	EMC184045	980143	Jan. 16, 2015	Jan. 15, 2016
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Feb. 05, 2015	Feb. 04, 2016
RF Cable	SUCOFLEX 102	36432/2 36441/2	Jan. 17, 2015	Jan. 16, 2016
Software	ADT_Radiated_V8.7.07	NA	NA	NA
Antenna Tower & Turn Table CT	NA	NA	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. *The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. Loop antenna was used for all emissions below 30 MHz.
4. The test was performed in 966 Chamber No. 4.
5. The FCC Site Registration No. is 292998
6. The CANADA Site Registration No. is 20331-2
7. Tested Date: Dec. 07 to 14, 2015

4.1.3 Test Procedure

a. The EUT was placed on the top of a rotating table 0.8 meters (for below 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:

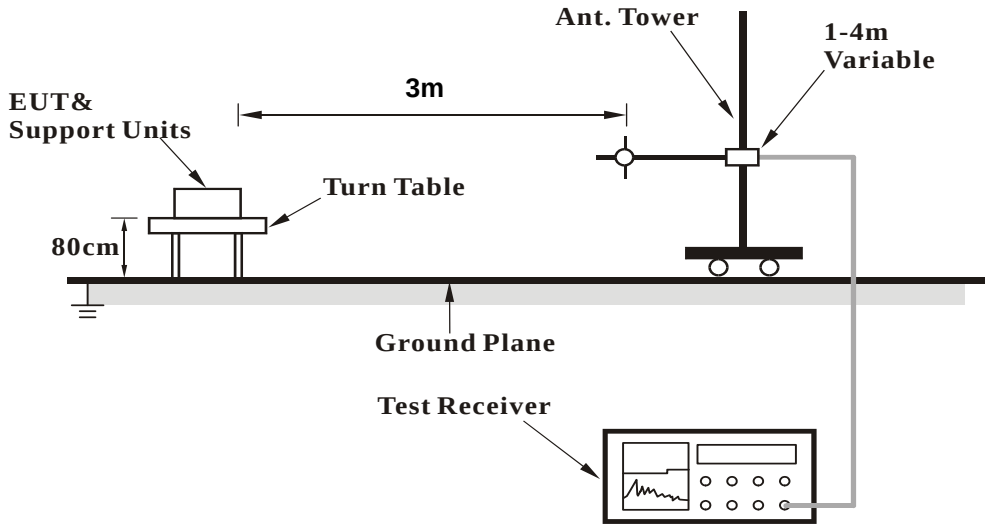
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (Duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (10 log(1/duty cycle)).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.
5. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

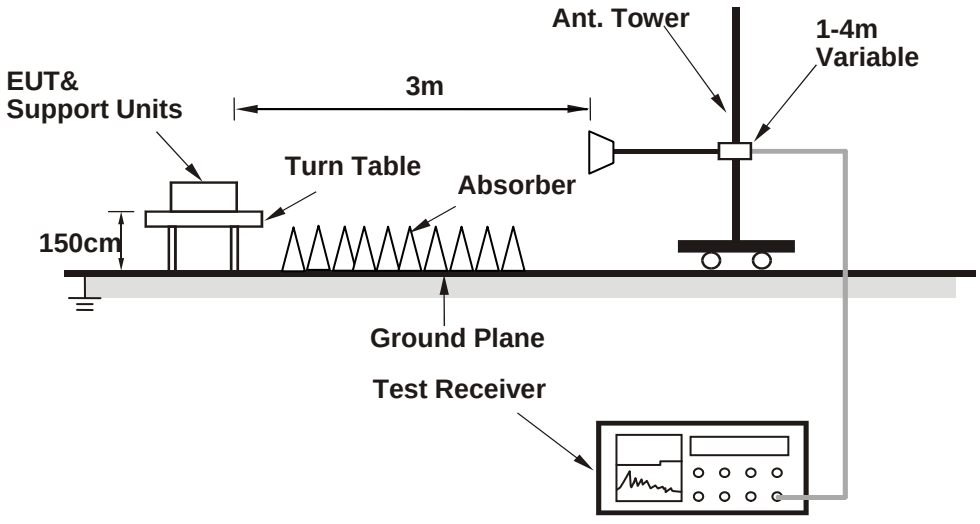
No deviation.

4.1.5 Test Setup

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



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

4.1.6 EUT Operating Condition

1. Connect the EUT with the support unit A (Notebook Computer) which is placed on test table.
2. The support unit C (Notebook Computer) runs test program "DutApiMimoBtFmBrdigeEth.exe[ver.2.0.0.43]" to enable EUT under transmission/receiving condition continuously at specific channel frequency.

4.1.7 Test Results (Mode 1)

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	70.5 PK	74.0	-3.5	2.49 H	325	60.53	9.97
2	5150.00	52.4 AV	54.0	-1.6	2.49 H	325	42.43	9.97
3	*5180.00	110.9 PK			2.49 H	325	100.74	10.16
4	*5180.00	101.7 AV			2.49 H	325	91.54	10.16
5	#10360.00	54.4 PK	74.0	-19.6	1.00 H	120	37.42	16.98
6	#10360.00	43.2 AV	54.0	-10.8	1.00 H	120	26.22	16.98
7	15540.00	62.3 PK	74.0	-11.7	1.00 H	225	40.37	21.93
8	15540.00	49.3 AV	54.0	-4.7	1.00 H	225	27.37	21.93
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.8 PK	74.0	-8.2	1.86 V	269	55.83	9.97
2	5150.00	47.0 AV	54.0	-7.0	1.86 V	269	37.03	9.97
3	*5180.00	105.3 PK			1.86 V	269	95.14	10.16
4	*5180.00	96.1 AV			1.86 V	269	85.94	10.16
5	#10360.00	54.2 PK	74.0	-19.8	1.31 V	92	37.22	16.98
6	#10360.00	43.5 AV	54.0	-10.5	1.31 V	92	26.52	16.98
7	15540.00	62.8 PK	74.0	-11.2	1.15 V	336	40.87	21.93
8	15540.00	50.0 AV	54.0	-4.0	1.15 V	336	28.07	21.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	110.6 PK			2.52 H	337	100.34	10.26
2	*5200.00	101.6 AV			2.52 H	337	91.34	10.26
3	#10400.00	55.0 PK	74.0	-19.0	1.00 H	123	37.94	17.06
4	#10400.00	43.9 AV	54.0	-10.1	1.00 H	123	26.84	17.06
5	15600.00	63.1 PK	74.0	-10.9	1.00 H	220	40.82	22.28
6	15600.00	50.1 AV	54.0	-3.9	1.00 H	220	27.82	22.28
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	104.8 PK			1.87 V	254	94.54	10.26
2	*5200.00	95.7 AV			1.87 V	254	85.44	10.26
3	#10400.00	54.6 PK	74.0	-19.4	1.26 V	84	37.54	17.06
4	#10400.00	43.8 AV	54.0	-10.2	1.26 V	84	26.74	17.06
5	15600.00	62.8 PK	74.0	-11.2	1.17 V	351	40.52	22.28
6	15600.00	50.1 AV	54.0	-3.9	1.17 V	351	27.82	22.28

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	114.3 PK			3.25 H	292	103.97	10.33
2	*5240.00	105.4 AV			3.25 H	292	95.07	10.33
3	5350.00	52.7 PK	74.0	-21.3	3.25 H	292	42.15	10.55
4	5350.00	40.6 AV	54.0	-13.4	3.25 H	292	30.05	10.55
5	#10480.00	54.3 PK	74.0	-19.7	1.00 H	112	37.57	16.73
6	#10480.00	43.2 AV	54.0	-10.8	1.00 H	112	26.47	16.73
7	15720.00	62.6 PK	74.0	-11.4	1.00 H	245	39.97	22.63
8	15720.00	49.8 AV	54.0	-4.2	1.00 H	245	27.17	22.63
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	109.6 PK			1.88 V	256	99.27	10.33
2	*5240.00	100.6 AV			1.88 V	256	90.27	10.33
3	5350.00	46.3 PK	74.0	-27.7	1.88 V	256	35.75	10.55
4	5350.00	36.6 AV	54.0	-17.4	1.88 V	256	26.05	10.55
5	#10480.00	53.6 PK	74.0	-20.4	1.26 V	87	36.87	16.73
6	#10480.00	43.1 AV	54.0	-10.9	1.26 V	87	26.37	16.73
7	15720.00	62.9 PK	74.0	-11.1	1.14 V	348	40.27	22.63
8	15720.00	49.9 AV	54.0	-4.1	1.14 V	348	27.27	22.63

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) 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	*5260.00	112.3 PK			1.81 H	293	107.91	4.39
2	*5260.00	102.6 AV			1.81 H	293	98.21	4.39
3	#10520.00	54.2 PK	74.0	-19.8	1.12 H	97	43.83	10.37
4	#10520.00	43.0 AV	54.0	-11.0	1.12 H	97	32.63	10.37
5	15780.00	59.3 PK	74.0	-14.7	1.48 H	312	44.58	14.72
6	15780.00	49.1 AV	54.0	-4.9	1.48 H	312	34.38	14.72
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	107.1 PK			1.02 V	92	102.71	4.39
2	*5260.00	97.5 AV			1.02 V	92	93.11	4.39
3	#10520.00	55.3 PK	74.0	-18.7	1.47 V	282	44.93	10.37
4	#10520.00	44.1 AV	54.0	-9.9	1.47 V	282	33.73	10.37
5	15780.00	60.0 PK	74.0	-14.0	1.00 V	109	45.28	14.72
6	15780.00	49.5 AV	54.0	-4.5	1.00 V	109	34.78	14.72

REMARKS:

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

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) 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	*5300.00	111.6 PK			1.84 H	302	107.24	4.36
2	*5300.00	102.1 AV			1.84 H	302	97.74	4.36
3	5350.00	54.5 PK	74.0	-19.5	1.84 H	303	49.99	4.51
4	5350.00	42.0 AV	54.0	-12.0	1.84 H	303	37.49	4.51
5	10600.00	54.1 PK	74.0	-19.9	1.14 H	110	43.42	10.68
6	10600.00	43.5 AV	54.0	-10.5	1.14 H	110	32.82	10.68
7	15900.00	59.3 PK	74.0	-14.7	1.47 H	301	44.25	15.05
8	15900.00	49.0 AV	54.0	-5.0	1.47 H	301	33.95	15.05
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	106.0 PK			1.01 V	90	101.64	4.36
2	*5300.00	96.8 AV			1.01 V	90	92.44	4.36
3	5350.00	66.8 PK	74.0	-7.2	1.01 V	90	62.29	4.51
4	5350.00	40.3 AV	54.0	-13.7	1.01 V	90	35.79	4.51
5	10600.00	55.2 PK	74.0	-18.8	1.43 V	288	44.52	10.68
6	10600.00	43.8 AV	54.0	-10.2	1.43 V	288	33.12	10.68
7	15900.00	60.2 PK	74.0	-13.8	1.01 V	120	45.15	15.05
8	15900.00	49.9 AV	54.0	-4.1	1.01 V	120	34.85	15.05

REMARKS:

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

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) 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	*5320.00	111.5 PK			1.75 H	292	107.08	4.42
2	*5320.00	101.9 AV			1.75 H	292	97.48	4.42
3	5350.00	72.3 PK	74.0	-1.7	1.75 H	292	67.79	4.51
4	5350.00	53.5 AV	54.0	-0.5	1.75 H	292	48.99	4.51
5	10640.00	53.9 PK	74.0	-20.1	1.19 H	106	43.27	10.63
6	10640.00	42.8 AV	54.0	-11.2	1.19 H	106	32.17	10.63
7	15960.00	59.5 PK	74.0	-14.5	1.42 H	321	44.53	14.97
8	15960.00	49.0 AV	54.0	-5.0	1.42 H	321	34.03	14.97
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	106.7 PK			1.02 V	75	102.28	4.42
2	*5320.00	96.9 AV			1.02 V	75	92.48	4.42
3	5350.00	67.0 PK	74.0	-7.0	1.02 V	75	62.49	4.51
4	5350.00	48.4 AV	54.0	-5.6	1.02 V	75	43.89	4.51
5	10640.00	55.1 PK	74.0	-18.9	1.49 V	293	44.47	10.63
6	10640.00	44.0 AV	54.0	-10.0	1.49 V	293	33.37	10.63
7	15960.00	59.6 PK	74.0	-14.4	1.00 V	117	44.63	14.97
8	15960.00	49.3 AV	54.0	-4.7	1.00 V	117	34.33	14.97

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.2 PK	74.0	-11.8	1.69 H	294	57.58	4.62
2	5460.00	46.8 AV	54.0	-7.2	1.69 H	294	42.18	4.62
3	#5470.00	72.3 PK	74.0	-1.7	1.45 H	47	67.69	4.61
4	#5470.00	53.7 AV	54.0	-0.3	1.45 H	47	49.09	4.61
5	*5500.00	112.7 PK			1.69 H	294	108.11	4.59
6	*5500.00	103.8 AV			1.69 H	294	99.21	4.59
7	11000.00	53.7 PK	74.0	-20.3	1.11 H	122	42.85	10.85
8	11000.00	42.9 AV	54.0	-11.1	1.11 H	122	32.05	10.85
9	#16500.00	58.2 PK	74.0	-15.8	1.47 H	326	41.21	16.99
10	#16500.00	48.2 AV	54.0	-5.8	1.47 H	326	31.21	16.99
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	57.2 PK	74.0	-16.8	1.01 V	79	52.58	4.62
2	5460.00	42.1 AV	54.0	-11.9	1.01 V	79	37.48	4.62
3	#5470.00	67.7 PK	74.0	-6.3	1.00 V	74	63.09	4.61
4	#5470.00	49.2 AV	54.0	-4.8	1.00 V	74	44.59	4.61
5	*5500.00	107.5 PK			1.01 V	76	102.91	4.59
6	*5500.00	98.7 AV			1.01 V	76	94.11	4.59
7	11000.00	55.4 PK	74.0	-18.6	1.44 V	290	44.55	10.85
8	11000.00	44.3 AV	54.0	-9.7	1.44 V	290	33.45	10.85
9	#16500.00	60.5 PK	74.0	-13.5	1.02 V	124	43.51	16.99
10	#16500.00	49.9 AV	54.0	-4.1	1.02 V	124	32.91	16.99

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	54.9 PK	74.0	-19.1	1.68 H	292	50.29	4.61
2	#5470.00	41.1 AV	54.0	-12.9	1.68 H	292	36.49	4.61
3	*5580.00	115.1 PK			1.68 H	292	110.22	4.88
4	*5580.00	105.2 AV			1.68 H	292	100.32	4.88
5	11160.00	54.0 PK	74.0	-20.0	1.19 H	99	43.28	10.72
6	11160.00	43.1 AV	54.0	-10.9	1.19 H	99	32.38	10.72
7	#16740.00	59.3 PK	74.0	-14.7	1.40 H	311	41.42	17.88
8	#16740.00	48.9 AV	54.0	-5.1	1.40 H	311	31.02	17.88
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	51.4 PK	74.0	-22.6	1.05 V	80	46.79	4.61
2	#5470.00	40.3 AV	54.0	-13.7	1.05 V	80	35.69	4.61
3	*5580.00	110.2 PK			1.05 V	80	105.32	4.88
4	*5580.00	100.3 AV			1.05 V	80	95.42	4.88
5	11160.00	54.7 PK	74.0	-19.3	1.53 V	280	43.98	10.72
6	11160.00	43.7 AV	54.0	-10.3	1.53 V	280	32.98	10.72
7	#16740.00	60.5 PK	74.0	-13.5	1.00 V	118	42.62	17.88
8	#16740.00	49.7 AV	54.0	-4.3	1.00 V	118	31.82	17.88

REMARKS:

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

CHANNEL	TX Channel 132	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	*5660.00	110.5 PK			1.68 H	290	105.57	4.93
2	*5660.00	103.2 AV			1.68 H	290	98.27	4.93
3	11320.00	54.0 PK	74.0	-20.0	1.15 H	108	43.19	10.81
4	11320.00	42.8 AV	54.0	-11.2	1.15 H	108	31.99	10.81
5	#16980.00	59.0 PK	74.0	-15.0	1.49 H	328	40.66	18.34
6	#16980.00	48.9 AV	54.0	-5.1	1.49 H	328	30.56	18.34
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5660.00	106.0 PK			1.00 V	78	101.07	4.93
2	*5660.00	98.7 AV			1.00 V	78	93.77	4.93
3	11320.00	55.3 PK	74.0	-18.7	1.56 V	285	44.49	10.81
4	11320.00	44.1 AV	54.0	-9.9	1.56 V	285	33.29	10.81
5	#16980.00	60.6 PK	74.0	-13.4	1.00 V	106	42.26	18.34
6	#16980.00	49.7 AV	54.0	-4.3	1.00 V	106	31.36	18.34

REMARKS:

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

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) 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	*5700.00	108.8 PK			1.67 H	291	103.89	4.91
2	*5700.00	100.1 AV			1.67 H	291	95.19	4.91
3	#5725.00	73.0 PK	74.0	-1.0	1.67 H	291	68.07	4.93
4	#5725.00	48.9 AV	54.0	-5.1	1.67 H	291	43.97	4.93
5	11400.00	54.2 PK	74.0	-19.8	1.10 H	97	43.57	10.63
6	11400.00	43.5 AV	54.0	-10.5	1.10 H	97	32.87	10.63
7	#17100.00	59.6 PK	74.0	-14.4	1.42 H	320	41.05	18.55
8	#17100.00	49.1 AV	54.0	-4.9	1.42 H	320	30.55	18.55
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	103.5 PK			1.02 V	74	98.59	4.91
2	*5700.00	94.7 AV			1.02 V	74	89.79	4.91
3	#5725.00	67.6 PK	74.0	-6.4	1.02 V	74	62.67	4.93
4	#5725.00	43.6 AV	54.0	-10.4	1.02 V	74	38.67	4.93
5	11400.00	55.0 PK	74.0	-19.0	1.53 V	277	44.37	10.63
6	11400.00	44.1 AV	54.0	-9.9	1.53 V	277	33.47	10.63
7	#17100.00	60.9 PK	74.0	-13.1	1.00 V	106	42.35	18.55
8	#17100.00	49.9 AV	54.0	-4.1	1.00 V	106	31.35	18.55

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	#5715.00	70.0 PK	74.0	-4.0	3.04 H	302	58.47	11.53
2	#5715.00	51.8 AV	54.0	-2.2	3.04 H	302	40.27	11.53
3	#5725.00	77.8 PK	78.2	-0.4	3.04 H	302	66.25	11.55
4	*5745.00	109.4 PK			3.04 H	302	97.77	11.63
5	*5745.00	100.2 AV			3.04 H	302	88.57	11.63
6	11490.00	54.1 PK	74.0	-19.9	1.00 H	120	36.80	17.30
7	11490.00	43.0 AV	54.0	-11.0	1.00 H	120	25.70	17.30
8	#17235.00	62.9 PK	74.0	-11.1	1.00 H	228	36.09	26.81
9	#17235.00	49.8 AV	54.0	-4.2	1.00 H	228	22.99	26.81
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	64.8 PK	74.0	-9.2	1.86 V	255	53.27	11.53
2	#5715.00	47.2 AV	54.0	-6.8	1.86 V	255	35.67	11.53
3	#5725.00	73.2 PK	78.2	-5.0	1.86 V	255	61.65	11.55
4	*5745.00	105.4 PK			1.86 V	255	93.77	11.63
5	*5745.00	94.6 AV			1.86 V	255	82.97	11.63
6	11490.00	54.6 PK	74.0	-19.4	1.33 V	102	37.30	17.30
7	11490.00	44.0 AV	54.0	-10.0	1.33 V	102	26.70	17.30
8	#17235.00	62.6 PK	74.0	-11.4	1.19 V	322	35.79	26.81
9	#17235.00	49.6 AV	54.0	-4.4	1.19 V	322	22.79	26.81

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	*5785.00	111.3 PK			3.02 H	315	99.56	11.74
2	*5785.00	101.5 AV			3.02 H	315	89.76	11.74
3	11570.00	54.2 PK	74.0	-19.8	1.00 H	134	36.29	17.91
4	11570.00	43.1 AV	54.0	-10.9	1.00 H	134	25.19	17.91
5	#17355.00	62.9 PK	74.0	-11.1	1.00 H	231	35.76	27.14
6	#17355.00	50.1 AV	54.0	-3.9	1.00 H	231	22.96	27.14
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	105.3 PK			1.81 V	257	93.56	11.74
2	*5785.00	96.2 AV			1.81 V	257	84.46	11.74
3	11570.00	54.5 PK	74.0	-19.5	1.30 V	89	36.59	17.91
4	11570.00	43.7 AV	54.0	-10.3	1.30 V	89	25.79	17.91
5	#17355.00	62.5 PK	74.0	-11.5	1.17 V	341	35.36	27.14
6	#17355.00	49.6 AV	54.0	-4.4	1.17 V	341	22.46	27.14

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	*5825.00	110.9 PK			3.01 H	319	99.12	11.78
2	*5825.00	101.4 AV			3.01 H	319	89.62	11.78
3	#5850.00	74.4 PK	78.2	-3.8	3.01 H	319	62.65	11.75
4	#5860.00	68.3 PK	74.0	-5.7	2.01 H	319	56.55	11.75
5	#5860.00	48.1 AV	54.0	-5.9	2.01 H	319	36.35	11.75
6	11650.00	54.8 PK	74.0	-19.2	1.00 H	116	36.64	18.16
7	11650.00	43.5 AV	54.0	-10.5	1.00 H	116	25.34	18.16
8	#17475.00	62.8 PK	74.0	-11.2	1.00 H	248	34.88	27.92
9	#17475.00	49.6 AV	54.0	-4.4	1.00 H	248	21.68	27.92
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	105.4 PK			1.86 V	284	93.62	11.78
2	*5825.00	96.2 AV			1.86 V	284	84.42	11.78
3	#5850.00	70.5 PK	78.2	-7.7	1.86 V	284	58.75	11.75
4	#5860.00	64.2 PK	74.0	-9.8	1.86 V	284	52.45	11.75
5	#5860.00	43.6 AV	54.0	-10.4	1.86 V	284	31.85	11.75
6	11650.00	54.2 PK	74.0	-19.8	1.34 V	92	36.04	18.16
7	11650.00	43.6 AV	54.0	-10.4	1.34 V	92	25.44	18.16
8	#17475.00	63.0 PK	74.0	-11.0	1.20 V	346	35.08	27.92
9	#17475.00	49.9 AV	54.0	-4.1	1.20 V	346	21.98	27.92

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very 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	67.1 PK	74.0	-6.9	2.57 H	332	57.13	9.97
2	5150.00	52.1 AV	54.0	-1.9	2.57 H	332	42.13	9.97
3	*5180.00	111.0 PK			2.57 H	332	100.84	10.16
4	*5180.00	102.3 AV			2.57 H	332	92.14	10.16
5	#10360.00	55.1 PK	74.0	-18.9	1.00 H	133	38.12	16.98
6	#10360.00	43.9 AV	54.0	-10.1	1.00 H	133	26.92	16.98
7	15540.00	62.8 PK	74.0	-11.2	1.00 H	232	40.87	21.93
8	15540.00	49.6 AV	54.0	-4.4	1.00 H	232	27.67	21.93
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	63.4 PK	74.0	-10.6	1.82 V	266	53.43	9.97
2	5150.00	46.8 AV	54.0	-7.2	1.82 V	266	36.83	9.97
3	*5180.00	105.6 PK			1.82 V	266	95.44	10.16
4	*5180.00	96.3 AV			1.82 V	266	86.14	10.16
5	#10360.00	54.7 PK	74.0	-19.3	1.33 V	97	37.72	16.98
6	#10360.00	43.8 AV	54.0	-10.2	1.33 V	97	26.82	16.98
7	15540.00	62.7 PK	74.0	-11.3	1.10 V	352	40.77	21.93
8	15540.00	49.8 AV	54.0	-4.2	1.10 V	352	27.87	21.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	110.9 PK			2.47 H	326	100.64	10.26
2	*5200.00	101.5 AV			2.47 H	326	91.24	10.26
3	#10400.00	54.2 PK	74.0	-19.8	1.00 H	107	37.14	17.06
4	#10400.00	43.0 AV	54.0	-11.0	1.00 H	107	25.94	17.06
5	15600.00	63.3 PK	74.0	-10.7	1.00 H	235	41.02	22.28
6	15600.00	50.2 AV	54.0	-3.8	1.00 H	235	27.92	22.28
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	105.3 PK			1.79 V	281	95.04	10.26
2	*5200.00	96.1 AV			1.79 V	281	85.84	10.26
3	#10400.00	53.8 PK	74.0	-20.2	1.35 V	85	36.74	17.06
4	#10400.00	43.3 AV	54.0	-10.7	1.35 V	85	26.24	17.06
5	15600.00	62.2 PK	74.0	-11.8	1.10 V	347	39.92	22.28
6	15600.00	49.6 AV	54.0	-4.4	1.10 V	347	27.32	22.28

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	114.8 PK			3.29 H	300	104.47	10.33
2	*5240.00	105.2 AV			3.29 H	300	94.87	10.33
3	5350.00	52.5 PK	74.0	-21.5	3.24 H	290	41.95	10.55
4	5350.00	40.6 AV	54.0	-13.4	3.24 H	290	30.05	10.55
5	#10480.00	55.3 PK	74.0	-18.7	1.02 H	108	38.57	16.73
6	#10480.00	43.9 AV	54.0	-10.1	1.02 H	108	27.17	16.73
7	15720.00	62.7 PK	74.0	-11.3	1.00 H	237	40.07	22.63
8	15720.00	50.0 AV	54.0	-4.0	1.00 H	237	27.37	22.63
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	109.6 PK			1.84 V	270	99.27	10.33
2	*5240.00	100.6 AV			1.84 V	270	90.27	10.33
3	5350.00	47.9 PK	74.0	-26.1	1.84 V	270	37.35	10.55
4	5350.00	36.4 AV	54.0	-17.6	1.84 V	270	25.85	10.55
5	#10480.00	54.1 PK	74.0	-19.9	1.26 V	96	37.37	16.73
6	#10480.00	43.3 AV	54.0	-10.7	1.26 V	96	26.57	16.73
7	15720.00	62.8 PK	74.0	-11.2	1.15 V	332	40.17	22.63
8	15720.00	50.1 AV	54.0	-3.9	1.15 V	332	27.47	22.63

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) 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	*5260.00	109.4 PK			1.03 H	342	105.01	4.39
2	*5260.00	100.2 AV			1.03 H	342	95.81	4.39
3	#10520.00	54.8 PK	74.0	-19.2	1.16 H	121	44.43	10.37
4	#10520.00	43.5 AV	54.0	-10.5	1.16 H	121	33.13	10.37
5	15780.00	59.0 PK	74.0	-15.0	1.44 H	319	44.28	14.72
6	15780.00	49.0 AV	54.0	-5.0	1.44 H	319	34.28	14.72
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	104.1 PK			1.08 V	75	99.71	4.39
2	*5260.00	95.0 AV			1.08 V	75	90.61	4.39
3	#10520.00	54.8 PK	74.0	-19.2	1.50 V	297	44.43	10.37
4	#10520.00	44.4 AV	54.0	-9.6	1.50 V	297	34.03	10.37
5	15780.00	60.9 PK	74.0	-13.1	1.00 V	75	46.18	14.72
6	15780.00	49.6 AV	54.0	-4.4	1.00 V	75	34.88	14.72

REMARKS:

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

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) 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	*5300.00	110.3 PK			1.08 H	343	105.94	4.36
2	*5300.00	99.8 AV			1.08 H	343	95.44	4.36
3	10600.00	54.3 PK	74.0	-19.7	1.22 H	107	43.62	10.68
4	10600.00	42.9 AV	54.0	-11.1	1.22 H	107	32.22	10.68
5	15900.00	59.0 PK	74.0	-15.0	1.37 H	297	43.95	15.05
6	15900.00	48.7 AV	54.0	-5.3	1.37 H	297	33.65	15.05
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	104.9 PK			1.10 V	75	100.54	4.36
2	*5300.00	94.6 AV			1.10 V	75	90.24	4.36
3	10600.00	54.6 PK	74.0	-19.4	1.47 V	280	43.92	10.68
4	10600.00	43.7 AV	54.0	-10.3	1.47 V	280	33.02	10.68
5	15900.00	60.3 PK	74.0	-13.7	1.00 V	95	45.25	15.05
6	15900.00	49.1 AV	54.0	-4.9	1.00 V	95	34.05	15.05

REMARKS:

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

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) 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	*5320.00	107.2 PK			1.00 H	345	102.78	4.42
2	*5320.00	97.9 AV			1.00 H	345	93.48	4.42
3	5350.00	69.2 PK	74.0	-4.8	1.00 H	345	64.69	4.51
4	5350.00	53.0 AV	54.0	-1.0	1.00 H	345	48.49	4.51
5	10640.00	54.7 PK	74.0	-19.3	1.18 H	117	44.07	10.63
6	10640.00	43.7 AV	54.0	-10.3	1.18 H	117	33.07	10.63
7	15960.00	58.2 PK	74.0	-15.8	1.43 H	300	43.23	14.97
8	15960.00	48.3 AV	54.0	-5.7	1.43 H	300	33.33	14.97
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	105.3 PK			1.06 V	256	100.88	4.42
2	*5320.00	95.2 AV			1.06 V	256	90.78	4.42
3	5350.00	63.7 PK	74.0	-10.3	1.06 V	256	59.19	4.51
4	5350.00	47.6 AV	54.0	-6.4	1.06 V	256	43.09	4.51
5	10640.00	54.8 PK	74.0	-19.2	1.56 V	277	44.17	10.63
6	10640.00	44.3 AV	54.0	-9.7	1.56 V	277	33.67	10.63
7	15960.00	60.4 PK	74.0	-13.6	1.04 V	94	45.43	14.97
8	15960.00	49.3 AV	54.0	-4.7	1.04 V	94	34.33	14.97

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.4 PK	74.0	-14.6	1.04 H	333	54.78	4.62
2	5460.00	43.2 AV	54.0	-10.8	1.04 H	333	38.58	4.62
3	#5470.00	69.9 PK	74.0	-4.1	1.04 H	333	65.29	4.61
4	#5470.00	52.9 AV	54.0	-1.1	1.04 H	333	48.29	4.61
5	*5500.00	107.8 PK			1.04 H	333	103.21	4.59
6	*5500.00	99.2 AV			1.04 H	333	94.61	4.59
7	11000.00	54.6 PK	74.0	-19.4	1.17 H	108	43.75	10.85
8	11000.00	43.6 AV	54.0	-10.4	1.17 H	108	32.75	10.85
9	#16500.00	58.1 PK	74.0	-15.9	1.43 H	311	41.11	16.99
10	#16500.00	48.2 AV	54.0	-5.8	1.43 H	311	31.21	16.99
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	54.1 PK	74.0	-19.9	1.06 V	250	49.48	4.62
2	5460.00	38.2 AV	54.0	-15.8	1.06 V	250	33.58	4.62
3	#5470.00	64.6 PK	74.0	-9.4	1.06 V	250	59.99	4.61
4	#5470.00	47.7 AV	54.0	-6.3	1.06 V	250	43.09	4.61
5	*5500.00	102.2 PK			1.06 V	250	97.61	4.59
6	*5500.00	93.8 AV			1.06 V	250	89.21	4.59
7	11000.00	54.6 PK	74.0	-19.4	1.49 V	268	43.75	10.85
8	11000.00	43.8 AV	54.0	-10.2	1.49 V	268	32.95	10.85
9	#16500.00	60.7 PK	74.0	-13.3	1.01 V	74	43.71	16.99
10	#16500.00	49.7 AV	54.0	-4.3	1.01 V	74	32.71	16.99

REMARKS:

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

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) 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	*5580.00	107.9 PK			1.03 H	336	103.02	4.88
2	*5580.00	99.1 AV			1.03 H	336	94.22	4.88
3	11160.00	54.6 PK	74.0	-19.4	1.24 H	123	43.88	10.72
4	11160.00	43.4 AV	54.0	-10.6	1.24 H	123	32.68	10.72
5	#16740.00	59.3 PK	74.0	-14.7	1.38 H	310	41.42	17.88
6	#16740.00	49.0 AV	54.0	-5.0	1.38 H	310	31.12	17.88
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	102.5 PK			1.10 V	251	97.62	4.88
2	*5580.00	93.6 AV			1.10 V	251	88.72	4.88
3	11160.00	54.9 PK	74.0	-19.1	1.50 V	283	44.18	10.72
4	11160.00	44.0 AV	54.0	-10.0	1.50 V	283	33.28	10.72
5	#16740.00	60.5 PK	74.0	-13.5	1.04 V	84	42.62	17.88
6	#16740.00	49.6 AV	54.0	-4.4	1.04 V	84	31.72	17.88

REMARKS:

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

CHANNEL	TX Channel 132	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	*5660.00	108.5 PK			1.02 H	313	103.57	4.93
2	*5660.00	99.5 AV			1.02 H	313	94.57	4.93
3	#5725.00	60.2 PK	74.0	-13.8	1.02 H	313	55.27	4.93
4	#5725.00	50.1 AV	54.0	-3.9	1.02 H	313	45.17	4.93
5	11320.00	54.3 PK	74.0	-19.7	1.20 H	112	43.49	10.81
6	11320.00	43.4 AV	54.0	-10.6	1.20 H	112	32.59	10.81
7	#16980.00	58.9 PK	74.0	-15.1	1.38 H	319	40.56	18.34
8	#16980.00	48.7 AV	54.0	-5.3	1.38 H	319	30.36	18.34
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5660.00	104.0 PK			1.05 V	250	99.07	4.93
2	*5660.00	94.8 AV			1.05 V	250	89.87	4.93
3	#5725.00	64.3 PK	74.0	-9.7	1.05 V	250	59.37	4.93
4	#5725.00	44.5 AV	54.0	-9.5	1.05 V	250	39.57	4.93
5	11320.00	54.2 PK	74.0	-19.8	1.55 V	277	43.39	10.81
6	11320.00	43.7 AV	54.0	-10.3	1.55 V	277	32.89	10.81
7	#16980.00	60.9 PK	74.0	-13.1	1.02 V	91	42.56	18.34
8	#16980.00	49.8 AV	54.0	-4.2	1.02 V	91	31.46	18.34

REMARKS:

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

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) 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	*5700.00	107.2 PK			1.01 H	346	102.29	4.91
2	*5700.00	97.7 AV			1.01 H	346	92.79	4.91
3	#5725.00	70.7 PK	74.0	-3.3	1.01 H	346	65.77	4.93
4	#5725.00	53.2 AV	54.0	-0.8	1.01 H	346	48.27	4.93
5	11400.00	54.2 PK	74.0	-19.8	1.19 H	119	43.57	10.63
6	11400.00	43.0 AV	54.0	-11.0	1.19 H	119	32.37	10.63
7	#17100.00	58.1 PK	74.0	-15.9	1.47 H	321	39.55	18.55
8	#17100.00	48.1 AV	54.0	-5.9	1.47 H	321	29.55	18.55
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	102.6 PK			1.04 V	251	97.69	4.91
2	*5700.00	93.1 AV			1.04 V	251	88.19	4.91
3	#5725.00	65.9 PK	74.0	-8.1	1.04 V	251	60.97	4.93
4	#5725.00	48.5 AV	54.0	-5.5	1.04 V	251	43.57	4.93
5	11400.00	55.3 PK	74.0	-18.7	1.54 V	285	44.67	10.63
6	11400.00	44.3 AV	54.0	-9.7	1.54 V	285	33.67	10.63
7	#17100.00	60.3 PK	74.0	-13.7	1.01 V	65	41.75	18.55
8	#17100.00	49.4 AV	54.0	-4.6	1.01 V	65	30.85	18.55

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	#5715.00	67.8 PK	74.0	-6.2	2.97 H	316	56.27	11.53
2	#5715.00	49.1 AV	54.0	-4.9	2.97 H	316	37.57	11.53
3	#5725.00	77.2 PK	78.2	-1.0	2.97 H	316	65.65	11.55
4	*5745.00	109.2 PK			2.97 H	316	97.57	11.63
5	*5745.00	100.4 AV			2.97 H	316	88.77	11.63
6	11490.00	55.3 PK	74.0	-18.7	1.00 H	110	38.00	17.30
7	11490.00	43.8 AV	54.0	-10.2	1.00 H	110	26.50	17.30
8	#17235.00	62.7 PK	74.0	-11.3	1.00 H	222	35.89	26.81
9	#17235.00	49.5 AV	54.0	-4.5	1.00 H	222	22.69	26.81
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	63.5 PK	74.0	-10.5	1.85 V	257	51.97	11.53
2	#5715.00	44.6 AV	54.0	-9.4	1.85 V	257	33.07	11.53
3	#5725.00	73.6 PK	78.2	-4.6	1.85 V	257	62.05	11.55
4	*5745.00	105.1 PK			1.85 V	257	93.47	11.63
5	*5745.00	94.6 AV			1.85 V	257	82.97	11.63
6	11490.00	54.2 PK	74.0	-19.8	1.28 V	106	36.90	17.30
7	11490.00	43.6 AV	54.0	-10.4	1.28 V	106	26.30	17.30
8	#17235.00	62.2 PK	74.0	-11.8	1.19 V	331	35.39	26.81
9	#17235.00	49.5 AV	54.0	-4.5	1.19 V	331	22.69	26.81

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	*5785.00	112.0 PK			2.99 H	314	100.26	11.74
2	*5785.00	102.6 AV			2.99 H	314	90.86	11.74
3	11570.00	54.5 PK	74.0	-19.5	1.01 H	134	36.59	17.91
4	11570.00	43.1 AV	54.0	-10.9	1.01 H	134	25.19	17.91
5	#17355.00	63.1 PK	74.0	-10.9	1.00 H	218	35.96	27.14
6	#17355.00	50.1 AV	54.0	-3.9	1.00 H	218	22.96	27.14
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	105.8 PK			1.81 V	272	94.06	11.74
2	*5785.00	96.7 AV			1.81 V	272	84.96	11.74
3	11570.00	54.5 PK	74.0	-19.5	1.36 V	84	36.59	17.91
4	11570.00	43.8 AV	54.0	-10.2	1.36 V	84	25.89	17.91
5	#17355.00	63.2 PK	74.0	-10.8	1.17 V	323	36.06	27.14
6	#17355.00	50.2 AV	54.0	-3.8	1.17 V	323	23.06	27.14

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	*5825.00	111.7 PK			2.96 H	302	99.92	11.78
2	*5825.00	102.3 AV			2.96 H	302	90.52	11.78
3	#5850.00	77.7 PK	78.2	-0.5	2.96 H	302	65.95	11.75
4	#5860.00	69.3 PK	74.0	-4.7	2.96 H	302	57.55	11.75
5	#5860.00	50.3 AV	54.0	-3.7	2.96 H	302	38.55	11.75
6	11650.00	54.6 PK	74.0	-19.4	1.00 H	118	36.44	18.16
7	11650.00	43.6 AV	54.0	-10.4	1.00 H	118	25.44	18.16
8	#17475.00	62.3 PK	74.0	-11.7	1.00 H	222	34.38	27.92
9	#17475.00	49.3 AV	54.0	-4.7	1.00 H	222	21.38	27.92
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	105.4 PK			1.87 V	269	93.62	11.78
2	*5825.00	96.3 AV			1.87 V	269	84.52	11.78
3	#5850.00	72.4 PK	78.2	-5.8	1.87 V	269	60.65	11.75
4	#5860.00	64.6 PK	74.0	-9.4	1.87 V	269	52.85	11.75
5	#5860.00	46.4 AV	54.0	-7.6	1.87 V	269	34.65	11.75
6	11650.00	54.7 PK	74.0	-19.3	1.28 V	84	36.54	18.16
7	11650.00	43.9 AV	54.0	-10.1	1.28 V	84	25.74	18.16
8	#17475.00	62.7 PK	74.0	-11.3	1.14 V	332	34.78	27.92
9	#17475.00	50.0 AV	54.0	-4.0	1.14 V	332	22.08	27.92

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very 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	67.0 PK	74.0	-7.0	2.90 H	296	57.03	9.97
2	5150.00	52.3 AV	54.0	-1.7	2.90 H	296	42.33	9.97
3	*5190.00	105.2 PK			2.90 H	296	95.00	10.20
4	*5190.00	95.7 AV			2.90 H	296	85.50	10.20
5	5350.00	51.1 PK	74.0	-22.9	2.90 H	296	40.55	10.55
6	5350.00	39.0 AV	54.0	-15.0	2.90 H	296	28.45	10.55
7	#10380.00	55.3 PK	74.0	-18.7	1.00 H	130	38.28	17.02
8	#10380.00	43.9 AV	54.0	-10.1	1.00 H	130	26.88	17.02
9	15570.00	63.2 PK	74.0	-10.8	1.00 H	233	41.10	22.10
10	15570.00	50.1 AV	54.0	-3.9	1.00 H	233	28.00	22.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	63.4 PK	74.0	-10.6	1.88 V	270	53.43	9.97
2	5150.00	48.6 AV	54.0	-5.4	1.88 V	270	38.63	9.97
3	*5190.00	101.4 PK			1.88 V	270	91.20	10.20
4	*5190.00	91.3 AV			1.88 V	270	81.10	10.20
5	5350.00	49.6 PK	74.0	-24.4	1.88 V	270	39.05	10.55
6	5350.00	36.5 AV	54.0	-17.5	1.88 V	270	25.95	10.55
7	#10380.00	54.0 PK	74.0	-20.0	1.37 V	79	36.98	17.02
8	#10380.00	43.4 AV	54.0	-10.6	1.37 V	79	26.38	17.02
9	15570.00	62.7 PK	74.0	-11.3	1.16 V	331	40.60	22.10
10	15570.00	50.2 AV	54.0	-3.8	1.16 V	331	28.10	22.10

REMARKS:

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

CHANNEL	TX Channel 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	5150.00	70.8 PK	74.0	-3.2	3.05 H	295	60.83	9.97
2	5150.00	52.1 AV	54.0	-1.9	3.05 H	295	42.13	9.97
3	*5230.00	111.6 PK			3.05 H	295	101.28	10.32
4	*5230.00	101.8 AV			3.05 H	295	91.48	10.32
5	5350.00	56.8 PK	74.0	-17.2	3.05 H	295	46.25	10.55
6	5350.00	41.8 AV	54.0	-12.2	3.05 H	295	31.25	10.55
7	#10460.00	55.0 PK	74.0	-19.0	1.00 H	132	38.18	16.82
8	#10460.00	43.5 AV	54.0	-10.5	1.00 H	132	26.68	16.82
9	15690.00	62.5 PK	74.0	-11.5	1.00 H	231	39.98	22.52
10	15690.00	49.5 AV	54.0	-4.5	1.00 H	231	26.98	22.52
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	64.6 PK	74.0	-9.4	1.81 V	282	54.63	9.97
2	5150.00	48.6 AV	54.0	-5.4	1.81 V	282	38.63	9.97
3	*5230.00	105.6 PK			1.81 V	282	95.28	10.32
4	*5230.00	96.5 AV			1.81 V	282	86.18	10.32
5	5350.00	52.4 PK	74.0	-21.6	1.81 V	282	41.85	10.55
6	5350.00	38.2 AV	54.0	-15.8	1.81 V	282	27.65	10.55
7	#10460.00	53.9 PK	74.0	-20.1	1.32 V	107	37.08	16.82
8	#10460.00	43.5 AV	54.0	-10.5	1.32 V	107	26.68	16.82
9	15690.00	63.1 PK	74.0	-10.9	1.18 V	349	40.58	22.52
10	15690.00	50.1 AV	54.0	-3.9	1.18 V	349	27.58	22.52

REMARKS:

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

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) 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	*5270.00	105.4 PK			1.02 H	315	101.02	4.38
2	*5270.00	96.1 AV			1.02 H	315	91.72	4.38
3	5350.00	67.4 PK	74.0	-6.6	1.02 H	315	62.89	4.51
4	5350.00	52.3 AV	54.0	-1.7	1.02 H	315	47.79	4.51
5	#10540.00	53.9 PK	74.0	-20.1	1.15 H	126	43.45	10.45
6	#10540.00	42.9 AV	54.0	-11.1	1.15 H	126	32.45	10.45
7	15810.00	58.5 PK	74.0	-15.5	1.43 H	313	43.72	14.78
8	15810.00	48.1 AV	54.0	-5.9	1.43 H	313	33.32	14.78
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	100.4 PK			1.10 V	247	96.02	4.38
2	*5270.00	91.3 AV			1.10 V	247	86.92	4.38
3	5350.00	63.4 PK	74.0	-10.6	1.10 V	247	58.89	4.51
4	5350.00	48.2 AV	54.0	-5.8	1.10 V	247	43.69	4.51
5	#10540.00	54.8 PK	74.0	-19.2	1.52 V	283	44.35	10.45
6	#10540.00	44.0 AV	54.0	-10.0	1.52 V	283	33.55	10.45
7	15810.00	60.0 PK	74.0	-14.0	1.04 V	67	45.22	14.78
8	15810.00	48.9 AV	54.0	-5.1	1.04 V	67	34.12	14.78

REMARKS:

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

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) 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	*5310.00	103.0 PK			1.00 H	336	98.61	4.39
2	*5310.00	95.0 AV			1.00 H	336	90.61	4.39
3	5350.00	67.5 PK	74.0	-6.5	1.00 H	336	62.99	4.51
4	5350.00	53.5 AV	54.0	-0.5	1.00 H	336	48.99	4.51
5	10620.00	54.3 PK	74.0	-19.7	1.22 H	115	43.65	10.65
6	10620.00	43.4 AV	54.0	-10.6	1.22 H	115	32.75	10.65
7	15930.00	58.6 PK	74.0	-15.4	1.49 H	311	43.59	15.01
8	15930.00	48.4 AV	54.0	-5.6	1.49 H	311	33.39	15.01
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	97.7 PK			1.08 V	246	93.31	4.39
2	*5310.00	90.0 AV			1.08 V	246	85.61	4.39
3	5350.00	62.0 PK	74.0	-12.0	1.08 V	246	57.49	4.51
4	5350.00	48.1 AV	54.0	-5.9	1.08 V	246	43.59	4.51
5	10620.00	54.4 PK	74.0	-19.6	1.54 V	296	43.75	10.65
6	10620.00	43.9 AV	54.0	-10.1	1.54 V	296	33.25	10.65
7	15930.00	60.3 PK	74.0	-13.7	1.00 V	85	45.29	15.01
8	15930.00	49.2 AV	54.0	-4.8	1.00 V	85	34.19	15.01

REMARKS:

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

CHANNEL	TX Channel 102	DETECTOR FUNCTION	Peak (PK) 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	5460.00	61.2 PK	74.0	-12.8	1.04 H	333	56.58	4.62
2	5460.00	46.4 AV	54.0	-7.6	1.04 H	333	41.78	4.62
3	#5470.00	68.4 PK	74.0	-5.6	1.04 H	333	63.79	4.61
4	#5470.00	53.0 AV	54.0	-1.0	1.04 H	333	48.39	4.61
5	*5510.00	100.2 PK			1.04 H	333	95.57	4.63
6	*5510.00	91.2 AV			1.04 H	333	86.57	4.63
7	11020.00	55.0 PK	74.0	-19.0	1.18 H	102	44.18	10.82
8	11020.00	43.7 AV	54.0	-10.3	1.18 H	102	32.88	10.82
9	#16530.00	58.7 PK	74.0	-15.3	1.38 H	300	41.66	17.04
10	#16530.00	48.7 AV	54.0	-5.3	1.38 H	300	31.66	17.04
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	56.2 PK	74.0	-17.8	1.10 V	250	51.58	4.62
2	5460.00	41.6 AV	54.0	-12.4	1.10 V	250	36.98	4.62
3	#5470.00	63.6 PK	74.0	-10.4	1.10 V	250	58.99	4.61
4	#5470.00	48.2 AV	54.0	-5.8	1.10 V	250	43.59	4.61
5	*5510.00	95.6 PK			1.10 V	250	90.97	4.63
6	*5510.00	86.5 AV			1.10 V	250	81.87	4.63
7	11020.00	55.0 PK	74.0	-19.0	1.53 V	267	44.18	10.82
8	11020.00	44.4 AV	54.0	-9.6	1.53 V	267	33.58	10.82
9	#16530.00	60.6 PK	74.0	-13.4	1.00 V	84	43.56	17.04
10	#16530.00	49.8 AV	54.0	-4.2	1.00 V	84	32.76	17.04

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	67.8 PK	74.0	-6.2	1.03 H	353	63.19	4.61
2	#5470.00	50.7 AV	54.0	-3.3	1.03 H	353	46.09	4.61
3	*5550.00	106.6 PK			1.03 H	353	101.83	4.77
4	*5550.00	97.2 AV			1.03 H	353	92.43	4.77
5	11100.00	54.2 PK	74.0	-19.8	1.15 H	121	43.51	10.69
6	11100.00	43.2 AV	54.0	-10.8	1.15 H	121	32.51	10.69
7	#16650.00	59.0 PK	74.0	-15.0	1.44 H	329	41.59	17.41
8	#16650.00	49.0 AV	54.0	-5.0	1.44 H	329	31.59	17.41
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	62.4 PK	74.0	-11.6	1.07 V	259	57.79	4.61
2	#5470.00	45.6 AV	54.0	-8.4	1.07 V	259	40.99	4.61
3	*5550.00	101.7 PK			1.07 V	259	96.93	4.77
4	*5550.00	92.3 AV			1.07 V	259	87.53	4.77
5	11100.00	54.8 PK	74.0	-19.2	1.56 V	276	44.11	10.69
6	11100.00	44.3 AV	54.0	-9.7	1.56 V	276	33.61	10.69
7	#16650.00	60.4 PK	74.0	-13.6	1.04 V	94	42.99	17.41
8	#16650.00	49.2 AV	54.0	-4.8	1.04 V	94	31.79	17.41

REMARKS:

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

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) 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	*5670.00	103.9 PK			1.02 H	348	98.97	4.93
2	*5670.00	94.9 AV			1.02 H	348	89.97	4.93
3	#5725.00	69.5 PK	74.0	-4.5	1.02 H	348	64.57	4.93
4	#5725.00	53.0 AV	54.0	-1.0	1.02 H	348	48.07	4.93
5	11340.00	54.5 PK	74.0	-19.5	1.13 H	97	43.74	10.76
6	11340.00	43.3 AV	54.0	-10.7	1.13 H	97	32.54	10.76
7	#17010.00	58.6 PK	74.0	-15.4	1.43 H	302	40.23	18.37
8	#17010.00	48.4 AV	54.0	-5.6	1.43 H	302	30.03	18.37
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	98.7 PK			1.09 V	255	93.77	4.93
2	*5670.00	90.0 AV			1.09 V	255	85.07	4.93
3	#5725.00	64.3 PK	74.0	-9.7	1.09 V	255	59.37	4.93
4	#5725.00	48.0 AV	54.0	-6.0	1.09 V	255	43.07	4.93
5	11340.00	55.2 PK	74.0	-18.8	1.53 V	291	44.44	10.76
6	11340.00	44.5 AV	54.0	-9.5	1.53 V	291	33.74	10.76
7	#17010.00	60.8 PK	74.0	-13.2	1.00 V	82	42.43	18.37
8	#17010.00	49.7 AV	54.0	-4.3	1.00 V	82	31.33	18.37

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	#5715.00	71.3 PK	74.0	-2.7	2.96 H	291	59.77	11.53
2	#5715.00	53.5 AV	54.0	-0.5	2.96 H	291	41.97	11.53
3	#5725.00	75.2 PK	78.2	-3.0	2.96 H	291	63.65	11.55
4	*5755.00	103.7 PK			2.96 H	291	92.06	11.64
5	*5755.00	94.9 AV			2.96 H	291	83.26	11.64
6	11510.00	54.7 PK	74.0	-19.3	1.00 H	104	37.40	17.30
7	11510.00	43.3 AV	54.0	-10.7	1.00 H	104	26.00	17.30
8	#17265.00	62.6 PK	74.0	-11.4	1.00 H	224	35.89	26.71
9	#17265.00	49.5 AV	54.0	-4.5	1.00 H	224	22.79	26.71
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	67.4 PK	74.0	-6.6	1.76 V	265	55.87	11.53
2	#5715.00	48.4 AV	54.0	-5.6	1.76 V	265	36.87	11.53
3	#5725.00	70.5 PK	78.2	-7.7	1.76 V	265	58.95	11.55
4	*5755.00	99.2 PK			1.76 V	265	87.56	11.64
5	*5755.00	90.5 AV			1.76 V	265	78.86	11.64
6	11510.00	53.9 PK	74.0	-20.1	1.33 V	99	36.60	17.30
7	11510.00	43.2 AV	54.0	-10.8	1.33 V	99	25.90	17.30
8	#17265.00	62.8 PK	74.0	-11.2	1.18 V	337	36.09	26.71
9	#17265.00	50.1 AV	54.0	-3.9	1.18 V	337	23.39	26.71

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	*5795.00	108.1 PK			2.97 H	295	96.32	11.78
2	*5795.00	100.2 AV			2.97 H	295	88.42	11.78
3	#5850.00	65.2 PK	78.2	-13.0	2.97 H	295	53.45	11.75
4	#5860.00	60.5 PK	74.0	-13.5	2.97 H	295	48.75	11.75
5	#5860.00	48.0 AV	54.0	-6.0	2.97 H	295	36.25	11.75
6	11590.00	54.5 PK	74.0	-19.5	1.00 H	135	36.39	18.11
7	11590.00	43.1 AV	54.0	-10.9	1.00 H	135	24.99	18.11
8	#17385.00	63.0 PK	74.0	-11.0	1.00 H	238	35.55	27.45
9	#17385.00	50.1 AV	54.0	-3.9	1.00 H	238	22.65	27.45
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	104.3 PK			1.88 V	270	92.52	11.78
2	*5795.00	95.4 AV			1.88 V	270	83.62	11.78
3	#5850.00	60.3 PK	78.2	-17.9	1.88 V	270	48.55	11.75
4	#5860.00	55.6 PK	74.0	-18.4	1.88 V	270	43.85	11.75
5	#5860.00	44.5 AV	54.0	-9.5	1.88 V	270	32.75	11.75
6	11590.00	53.5 PK	74.0	-20.5	1.36 V	81	35.39	18.11
7	11590.00	43.0 AV	54.0	-11.0	1.36 V	81	24.89	18.11
8	#17385.00	62.7 PK	74.0	-11.3	1.19 V	351	35.25	27.45
9	#17385.00	50.1 AV	54.0	-3.9	1.19 V	351	22.65	27.45

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very 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	67.9 PK	74.0	-6.1	3.05 H	296	57.93	9.97
2	5150.00	51.9 AV	54.0	-2.1	3.05 H	296	41.93	9.97
3	*5210.00	101.8 PK			3.05 H	296	91.53	10.27
4	*5210.00	91.6 AV			3.05 H	296	81.33	10.27
5	5350.00	51.5 PK	74.0	-22.5	3.05 H	296	40.95	10.55
6	5350.00	39.0 AV	54.0	-15.0	3.05 H	296	28.45	10.55
7	#10420.00	53.6 PK	74.0	-20.4	1.01 H	134	36.62	16.98
8	#10420.00	41.2 AV	54.0	-12.8	1.01 H	134	24.22	16.98
9	15630.00	60.5 PK	74.0	-13.5	1.00 H	225	38.13	22.37
10	15630.00	49.6 AV	54.0	-4.4	1.00 H	225	27.23	22.37
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	62.7 PK	74.0	-11.3	1.92 V	268	52.73	9.97
2	5150.00	47.3 AV	54.0	-6.7	1.92 V	268	37.33	9.97
3	*5210.00	97.2 PK			1.92 V	268	86.93	10.27
4	*5210.00	85.4 AV			1.92 V	268	75.13	10.27
5	5350.00	47.1 PK	74.0	-26.9	1.92 V	268	36.55	10.55
6	5350.00	35.5 AV	54.0	-18.5	1.92 V	268	24.95	10.55
7	#10420.00	52.2 PK	74.0	-21.8	1.36 V	83	35.22	16.98
8	#10420.00	40.4 AV	54.0	-13.6	1.36 V	83	23.42	16.98
9	15630.00	61.5 PK	74.0	-12.5	1.15 V	321	39.13	22.37
10	15630.00	48.6 AV	54.0	-5.4	1.15 V	321	26.23	22.37

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	98.9 PK			1.00 H	337	94.53	4.37
2	*5290.00	89.2 AV			1.00 H	337	84.83	4.37
3	5367.70	69.1 PK	74.0	-4.9	1.00 H	337	64.54	4.56
4	5367.70	53.3 AV	54.0	-0.7	1.00 H	337	48.74	4.56
5	#10580.00	54.1 PK	74.0	-19.9	1.22 H	100	43.49	10.61
6	#10580.00	43.1 AV	54.0	-10.9	1.22 H	100	32.49	10.61
7	15870.00	59.2 PK	74.0	-14.8	1.46 H	308	44.24	14.96
8	15870.00	49.0 AV	54.0	-5.0	1.46 H	308	34.04	14.96
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	94.1 PK			1.11 V	248	89.73	4.37
2	*5290.00	84.5 AV			1.11 V	248	80.13	4.37
3	5367.70	63.7 PK	74.0	-10.3	1.11 V	248	59.14	4.56
4	5367.70	48.0 AV	54.0	-6.0	1.11 V	248	43.44	4.56
5	#10580.00	54.6 PK	74.0	-19.4	1.52 V	268	43.99	10.61
6	#10580.00	44.2 AV	54.0	-9.8	1.52 V	268	33.59	10.61
7	15870.00	60.9 PK	74.0	-13.1	1.00 V	68	45.94	14.96
8	15870.00	49.5 AV	54.0	-4.5	1.00 V	68	34.54	14.96

REMARKS:

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

CHANNEL	TX Channel 106	DETECTOR FUNCTION	Peak (PK) 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	5456.00	69.4 PK	74.0	-4.6	1.03 H	358	64.77	4.63
2	5456.00	53.0 AV	54.0	-1.0	1.03 H	358	48.37	4.63
3	*5530.00	97.6 PK			1.03 H	358	92.90	4.70
4	*5530.00	88.0 AV			1.03 H	358	83.30	4.70
5	11060.00	54.0 PK	74.0	-20.0	1.25 H	125	43.25	10.75
6	11060.00	42.9 AV	54.0	-11.1	1.25 H	125	32.15	10.75
7	#16590.00	58.5 PK	74.0	-15.5	1.44 H	299	41.34	17.16
8	#16590.00	48.3 AV	54.0	-5.7	1.44 H	299	31.14	17.16
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5456.00	64.4 PK	74.0	-9.6	1.08 V	250	59.77	4.63
2	5456.00	47.7 AV	54.0	-6.3	1.08 V	250	43.07	4.63
3	*5530.00	92.6 PK			1.08 V	250	87.90	4.70
4	*5530.00	82.8 AV			1.08 V	250	78.10	4.70
5	11060.00	54.5 PK	74.0	-19.5	1.50 V	267	43.75	10.75
6	11060.00	43.8 AV	54.0	-10.2	1.50 V	267	33.05	10.75
7	#16590.00	60.7 PK	74.0	-13.3	1.00 V	85	43.54	17.16
8	#16590.00	49.4 AV	54.0	-4.6	1.00 V	85	32.24	17.16

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	#5715.00	65.1 PK	74.0	-8.9	3.35 H	297	53.57	11.53
2	#5715.00	51.7 AV	54.0	-2.3	3.35 H	297	40.17	11.53
3	#5725.00	65.3 PK	78.2	-12.9	3.35 H	297	53.75	11.55
4	*5775.00	99.0 PK			3.35 H	297	87.28	11.72
5	*5775.00	89.3 AV			3.35 H	297	77.58	11.72
6	#5850.00	62.6 PK	78.2	-15.6	3.35 H	297	50.85	11.75
7	#5860.00	60.4 PK	74.0	-13.6	3.35 H	297	48.65	11.75
8	#5860.00	45.5 AV	54.0	-8.5	3.35 H	297	33.75	11.75
9	11550.00	53.9 PK	74.0	-20.1	1.03 H	132	36.19	17.71
10	11550.00	41.5 AV	54.0	-12.5	1.03 H	132	23.79	17.71
11	#17325.00	60.4 PK	74.0	-13.6	1.00 H	225	33.55	26.85
12	#17325.00	49.3 AV	54.0	-4.7	1.00 H	225	22.45	26.85
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	61.5 PK	74.0	-12.5	1.98 V	270	49.97	11.53
2	#5715.00	47.3 AV	54.0	-6.7	1.98 V	270	35.77	11.53
3	#5725.00	61.3 PK	78.2	-16.9	1.98 V	270	49.75	11.55
4	*5775.00	94.4 PK			1.98 V	270	82.68	11.72
5	*5775.00	84.4 AV			1.98 V	270	72.68	11.72
6	#5850.00	57.8 PK	78.2	-20.4	1.98 V	270	46.05	11.75
7	#5860.00	55.4 PK	74.0	-18.6	1.98 V	270	43.65	11.75
8	#5860.00	41.3 AV	54.0	-12.7	1.98 V	270	29.55	11.75
9	11550.00	52.6 PK	74.0	-21.4	1.35 V	74	34.89	17.71
10	11550.00	40.6 AV	54.0	-13.4	1.35 V	74	22.89	17.71
11	#17325.00	62.0 PK	74.0	-12.0	1.17 V	306	35.15	26.85
12	#17325.00	49.0 AV	54.0	-5.0	1.17 V	306	22.15	26.85

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very 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 60	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	Below 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	99.89	32.1 QP	43.5	-11.4	2.00 H	212	51.72	-19.58
2	247.43	39.0 QP	46.0	-7.0	1.50 H	220	55.23	-16.21
3	532.90	27.2 QP	46.0	-18.8	1.50 H	331	35.74	-8.54
4	699.45	30.6 QP	46.0	-15.4	1.00 H	250	36.13	-5.51
5	795.91	33.1 QP	46.0	-12.9	1.00 H	226	36.75	-3.63
6	899.29	33.6 QP	46.0	-12.4	1.50 H	253	35.82	-2.22
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	41.32	36.0 QP	40.0	-4.0	1.00 V	290	51.59	-15.61
2	244.54	30.5 QP	46.0	-15.5	1.00 V	264	46.88	-16.34
3	398.36	27.3 QP	46.0	-18.8	2.00 V	296	39.08	-11.83
4	532.85	29.8 QP	46.0	-16.2	1.00 V	272	38.36	-8.54
5	699.49	28.6 QP	46.0	-17.4	1.00 V	258	34.14	-5.51
6	933.31	32.2 QP	46.0	-13.9	1.00 V	304	33.80	-1.65

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable 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)

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	72.6 PK	74.0	-1.4	1.00 H	246	62.63	9.97
2	5150.00	53.5 AV	54.0	-0.5	1.00 H	246	43.53	9.97
3	*5180.00	111.8 PK			1.00 H	246	101.64	10.16
4	*5180.00	103.0 AV			1.00 H	246	92.84	10.16
5	#10360.00	54.4 PK	74.0	-19.6	1.00 H	113	37.42	16.98
6	#10360.00	43.1 AV	54.0	-10.9	1.00 H	113	26.12	16.98
7	15540.00	61.9 PK	74.0	-12.1	1.00 H	225	39.97	21.93
8	15540.00	48.8 AV	54.0	-5.2	1.00 H	225	26.87	21.93
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	64.1 PK	74.0	-9.9	2.71 V	308	54.13	9.97
2	5150.00	48.5 AV	54.0	-5.5	2.71 V	308	38.53	9.97
3	*5180.00	106.7 PK			2.71 V	308	96.54	10.16
4	*5180.00	97.5 AV			2.71 V	308	87.34	10.16
5	#10360.00	53.7 PK	74.0	-20.3	1.36 V	78	36.72	16.98
6	#10360.00	43.1 AV	54.0	-10.9	1.36 V	78	26.12	16.98
7	15540.00	63.0 PK	74.0	-11.0	1.13 V	325	41.07	21.93
8	15540.00	50.0 AV	54.0	-4.0	1.13 V	325	28.07	21.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	111.5 PK			3.13 H	263	101.24	10.26
2	*5200.00	102.3 AV			3.13 H	263	92.04	10.26
3	#10400.00	54.5 PK	74.0	-19.5	1.00 H	126	37.44	17.06
4	#10400.00	43.5 AV	54.0	-10.5	1.00 H	126	26.44	17.06
5	15600.00	62.8 PK	74.0	-11.2	1.00 H	227	40.52	22.28
6	15600.00	49.5 AV	54.0	-4.5	1.00 H	227	27.22	22.28
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	106.6 PK			2.72 V	310	96.34	10.26
2	*5200.00	97.6 AV			2.72 V	310	87.34	10.26
3	#10400.00	54.4 PK	74.0	-19.6	1.27 V	97	37.34	17.06
4	#10400.00	43.7 AV	54.0	-10.3	1.27 V	97	26.64	17.06
5	15600.00	63.4 PK	74.0	-10.6	1.11 V	333	41.12	22.28
6	15600.00	50.5 AV	54.0	-3.5	1.11 V	333	28.22	22.28

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	110.9 PK			2.92 H	262	100.57	10.33
2	*5240.00	102.3 AV			2.92 H	262	91.97	10.33
3	5350.00	52.8 PK	74.0	-21.2	2.92 H	262	42.25	10.55
4	5350.00	40.6 AV	54.0	-13.4	2.92 H	262	30.05	10.55
5	#10480.00	54.3 PK	74.0	-19.7	1.00 H	112	37.57	16.73
6	#10480.00	43.0 AV	54.0	-11.0	1.00 H	112	26.27	16.73
7	15720.00	62.1 PK	74.0	-11.9	1.00 H	235	39.47	22.63
8	15720.00	48.9 AV	54.0	-5.1	1.00 H	235	26.27	22.63
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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			2.73 V	303	96.17	10.33
2	*5240.00	97.5 AV			2.73 V	303	87.17	10.33
3	5350.00	48.1 PK	74.0	-25.9	2.73 V	303	37.55	10.55
4	5350.00	36.4 AV	54.0	-17.6	2.73 V	303	25.85	10.55
5	#10480.00	54.1 PK	74.0	-19.9	1.34 V	79	37.37	16.73
6	#10480.00	43.2 AV	54.0	-10.8	1.34 V	79	26.47	16.73
7	15720.00	62.4 PK	74.0	-11.6	1.09 V	342	39.77	22.63
8	15720.00	49.8 AV	54.0	-4.2	1.09 V	342	27.17	22.63

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) 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	*5260.00	112.9 PK			1.49 H	78	108.51	4.39
2	*5260.00	103.9 AV			1.49 H	78	99.51	4.39
3	#10520.00	54.1 PK	74.0	-19.9	1.09 H	206	43.73	10.37
4	#10520.00	43.9 AV	54.0	-10.1	1.09 H	206	33.53	10.37
5	15780.00	58.2 PK	74.0	-15.8	1.25 H	168	43.48	14.72
6	15780.00	48.4 AV	54.0	-5.6	1.25 H	168	33.68	14.72
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	108.8 PK			1.37 V	81	104.41	4.39
2	*5260.00	99.7 AV			1.37 V	81	95.31	4.39
3	#10520.00	53.9 PK	74.0	-20.1	1.20 V	195	43.53	10.37
4	#10520.00	43.3 AV	54.0	-10.7	1.20 V	195	32.93	10.37
5	15780.00	59.4 PK	74.0	-14.6	1.17 V	216	44.68	14.72
6	15780.00	48.6 AV	54.0	-5.4	1.17 V	216	33.88	14.72

REMARKS:

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

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) 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	*5300.00	112.1 PK			1.52 H	72	107.74	4.36
2	*5300.00	103.4 AV			1.52 H	72	99.04	4.36
3	10600.00	53.6 PK	74.0	-20.4	1.11 H	228	42.92	10.68
4	10600.00	43.4 AV	54.0	-10.6	1.11 H	228	32.72	10.68
5	15900.00	57.6 PK	74.0	-16.4	1.14 H	181	42.55	15.05
6	15900.00	48.0 AV	54.0	-6.0	1.14 H	181	32.95	15.05
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	107.7 PK			1.45 V	68	103.34	4.36
2	*5300.00	99.0 AV			1.45 V	68	94.64	4.36
3	10600.00	54.3 PK	74.0	-19.7	1.17 V	196	43.62	10.68
4	10600.00	43.4 AV	54.0	-10.6	1.17 V	196	32.72	10.68
5	15900.00	59.5 PK	74.0	-14.5	1.08 V	193	44.45	15.05
6	15900.00	49.2 AV	54.0	-4.8	1.08 V	193	34.15	15.05

REMARKS:

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

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) 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	*5320.00	110.2 PK			1.50 H	64	105.78	4.42
2	*5320.00	100.8 AV			1.50 H	64	96.38	4.42
3	5350.00	72.8 PK	74.0	-1.2	1.50 H	64	68.29	4.51
4	5350.00	53.0 AV	54.0	-1.0	1.50 H	64	48.49	4.51
5	10640.00	53.0 PK	74.0	-21.0	1.07 H	215	42.37	10.63
6	10640.00	43.1 AV	54.0	-10.9	1.07 H	215	32.47	10.63
7	15960.00	57.4 PK	74.0	-16.6	1.16 H	194	42.43	14.97
8	15960.00	48.0 AV	54.0	-6.0	1.16 H	194	33.03	14.97
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	106.5 PK			1.48 V	95	102.08	4.42
2	*5320.00	96.9 AV			1.48 V	95	92.48	4.42
3	5350.00	69.4 PK	74.0	-4.6	1.48 V	95	64.89	4.51
4	5350.00	49.3 AV	54.0	-4.7	1.48 V	95	44.79	4.51
5	10640.00	54.8 PK	74.0	-19.2	1.12 V	188	44.17	10.63
6	10640.00	43.8 AV	54.0	-10.2	1.12 V	188	33.17	10.63
7	15960.00	58.9 PK	74.0	-15.1	1.17 V	214	43.93	14.97
8	15960.00	48.7 AV	54.0	-5.3	1.17 V	214	33.73	14.97

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	72.6 PK	74.0	-1.4	1.45 H	63	67.99	4.61
2	#5470.00	53.1 AV	54.0	-0.9	1.45 H	63	48.49	4.61
3	*5500.00	111.4 PK			1.45 H	63	106.81	4.59
4	*5500.00	101.8 AV			1.45 H	63	97.21	4.59
5	11000.00	53.9 PK	74.0	-20.1	1.09 H	229	43.05	10.85
6	11000.00	43.9 AV	54.0	-10.1	1.09 H	229	33.05	10.85
7	#16500.00	57.9 PK	74.0	-16.1	1.11 H	168	40.91	16.99
8	#16500.00	48.4 AV	54.0	-5.6	1.11 H	168	31.41	16.99
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	69.0 PK	74.0	-5.0	1.47 V	88	64.39	4.61
2	#5470.00	49.4 AV	54.0	-4.6	1.47 V	88	44.79	4.61
3	*5500.00	107.6 PK			1.47 V	88	103.01	4.59
4	*5500.00	98.0 AV			1.47 V	88	93.41	4.59
5	11000.00	54.7 PK	74.0	-19.3	1.12 V	177	43.85	10.85
6	11000.00	43.8 AV	54.0	-10.2	1.12 V	177	32.95	10.85
7	#16500.00	59.0 PK	74.0	-15.0	1.07 V	211	42.01	16.99
8	#16500.00	48.3 AV	54.0	-5.7	1.07 V	211	31.31	16.99

REMARKS:

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

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) 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	*5580.00	112.1 PK			1.54 H	55	107.22	4.88
2	*5580.00	103.3 AV			1.54 H	55	98.42	4.88
3	11160.00	53.9 PK	74.0	-20.1	1.15 H	212	43.18	10.72
4	11160.00	43.6 AV	54.0	-10.4	1.15 H	212	32.88	10.72
5	#16740.00	57.8 PK	74.0	-16.2	1.14 H	192	39.92	17.88
6	#16740.00	48.0 AV	54.0	-6.0	1.14 H	192	30.12	17.88
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	107.9 PK			1.47 V	89	103.02	4.88
2	*5580.00	99.3 AV			1.47 V	89	94.42	4.88
3	11160.00	54.1 PK	74.0	-19.9	1.14 V	201	43.38	10.72
4	11160.00	43.1 AV	54.0	-10.9	1.14 V	201	32.38	10.72
5	#16740.00	58.9 PK	74.0	-15.1	1.12 V	203	41.02	17.88
6	#16740.00	48.3 AV	54.0	-5.7	1.12 V	203	30.42	17.88

REMARKS:

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

CHANNEL	TX Channel 132	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	*5660.00	112.6 PK			1.55 H	53	107.67	4.93
2	*5660.00	103.8 AV			1.55 H	53	98.87	4.93
3	11320.00	53.1 PK	74.0	-20.9	1.10 H	230	42.29	10.81
4	11320.00	43.2 AV	54.0	-10.8	1.10 H	230	32.39	10.81
5	#16980.00	57.4 PK	74.0	-16.6	1.18 H	175	39.06	18.34
6	#16980.00	47.6 AV	54.0	-6.4	1.18 H	175	29.26	18.34
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5660.00	108.6 PK			1.44 V	86	103.67	4.93
2	*5660.00	99.8 AV			1.44 V	86	94.87	4.93
3	11320.00	54.2 PK	74.0	-19.8	1.21 V	186	43.39	10.81
4	11320.00	43.6 AV	54.0	-10.4	1.21 V	186	32.79	10.81
5	#16980.00	59.3 PK	74.0	-14.7	1.08 V	210	40.96	18.34
6	#16980.00	48.6 AV	54.0	-5.4	1.08 V	210	30.26	18.34

REMARKS:

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

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) 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	*5700.00	109.9 PK			1.41 H	165	104.99	4.91
2	*5700.00	100.3 AV			1.41 H	165	95.39	4.91
3	#5725.00	73.2 PK	74.0	-0.8	1.41 H	165	68.27	4.93
4	**#5725.00**	**53.8 AV**	**54.0**	**-0.2**	**1.41 H**	**165**	**48.87**	**4.93**
5	11400.00	53.5 PK	74.0	-20.5	1.15 H	214	42.87	10.63
6	11400.00	43.5 AV	54.0	-10.5	1.15 H	214	32.87	10.63
7	#17100.00	57.4 PK	74.0	-16.6	1.18 H	183	38.85	18.55
8	#17100.00	47.6 AV	54.0	-6.4	1.18 H	183	29.05	18.55
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	106.0 PK			1.40 V	73	101.09	4.91
2	*5700.00	96.6 AV			1.40 V	73	91.69	4.91
3	#5725.00	69.4 PK	74.0	-4.6	1.40 V	73	64.47	4.93
4	#5725.00	50.1 AV	54.0	-3.9	1.40 V	73	45.17	4.93
5	11400.00	54.7 PK	74.0	-19.3	1.19 V	189	44.07	10.63
6	11400.00	43.8 AV	54.0	-10.2	1.19 V	189	33.17	10.63
7	#17100.00	58.9 PK	74.0	-15.1	1.09 V	212	40.35	18.55
8	#17100.00	48.3 AV	54.0	-5.7	1.09 V	212	29.75	18.55

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	#5715.00	66.8 PK	74.0	-7.2	1.00 H	251	55.27	11.53
2	#5715.00	51.2 AV	54.0	-2.8	1.00 H	251	39.67	11.53
3	#5725.00	77.0 PK	78.2	-1.2	1.00 H	251	65.45	11.55
4	*5745.00	111.2 PK			1.00 H	251	99.57	11.63
5	*5745.00	102.3 AV			1.00 H	251	90.67	11.63
6	11490.00	53.9 PK	74.0	-20.1	1.00 H	133	36.60	17.30
7	11490.00	42.8 AV	54.0	-11.2	1.00 H	133	25.50	17.30
8	#17235.00	62.7 PK	74.0	-11.3	1.00 H	237	35.89	26.81
9	#17235.00	49.8 AV	54.0	-4.2	1.00 H	237	22.99	26.81
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	63.2 PK	74.0	-10.8	2.68 V	300	51.67	11.53
2	#5715.00	44.3 AV	54.0	-9.7	2.68 V	300	32.77	11.53
3	#5725.00	74.2 PK	78.2	-4.0	2.71 V	310	62.65	11.55
4	*5745.00	105.0 PK			2.78 V	310	93.37	11.63
5	*5745.00	94.6 AV			2.78 V	310	82.97	11.63
6	11490.00	54.5 PK	74.0	-19.5	1.34 V	86	37.20	17.30
7	11490.00	44.0 AV	54.0	-10.0	1.34 V	86	26.70	17.30
8	#17235.00	62.8 PK	74.0	-11.2	1.21 V	331	35.99	26.81
9	#17235.00	50.0 AV	54.0	-4.0	1.21 V	331	23.19	26.81

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	*5785.00	110.8 PK			2.85 H	263	99.06	11.74
2	*5785.00	101.7 AV			2.85 H	263	89.96	11.74
3	11570.00	54.6 PK	74.0	-19.4	1.00 H	131	36.69	17.91
4	11570.00	43.3 AV	54.0	-10.7	1.00 H	131	25.39	17.91
5	#17355.00	62.4 PK	74.0	-11.6	1.00 H	219	35.26	27.14
6	#17355.00	49.2 AV	54.0	-4.8	1.00 H	219	22.06	27.14
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	106.5 PK			2.74 V	319	94.76	11.74
2	*5785.00	97.2 AV			2.74 V	319	85.46	11.74
3	11570.00	53.7 PK	74.0	-20.3	1.33 V	86	35.79	17.91
4	11570.00	43.0 AV	54.0	-11.0	1.33 V	86	25.09	17.91
5	#17355.00	62.3 PK	74.0	-11.7	1.11 V	329	35.16	27.14
6	#17355.00	49.7 AV	54.0	-4.3	1.11 V	329	22.56	27.14

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	*5825.00	110.5 PK			2.71 H	249	98.72	11.78
2	*5825.00	101.3 AV			2.71 H	249	89.52	11.78
3	#5850.00	72.4 PK	78.2	-5.8	2.71 H	249	60.65	11.75
4	#5860.00	63.6 PK	74.0	-10.4	2.71 H	249	51.85	11.75
5	#5860.00	46.7 AV	54.0	-7.3	2.71 H	249	34.95	11.75
6	11650.00	54.2 PK	74.0	-19.8	1.00 H	130	36.04	18.16
7	11650.00	43.2 AV	54.0	-10.8	1.00 H	130	25.04	18.16
8	#17475.00	62.4 PK	74.0	-11.6	1.00 H	237	34.48	27.92
9	#17475.00	49.2 AV	54.0	-4.8	1.00 H	237	21.28	27.92
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	106.8 PK			2.71 V	292	95.02	11.78
2	*5825.00	97.9 AV			2.71 V	292	86.12	11.78
3	#5850.00	72.6 PK	78.2	-5.6	2.71 V	292	60.85	11.75
4	#5860.00	64.4 PK	74.0	-9.6	2.71 V	292	52.65	11.75
5	#5860.00	46.4 AV	54.0	-7.6	2.71 V	292	34.65	11.75
6	11650.00	54.0 PK	74.0	-20.0	1.36 V	100	35.84	18.16
7	11650.00	43.5 AV	54.0	-10.5	1.36 V	100	25.34	18.16
8	#17475.00	62.7 PK	74.0	-11.3	1.18 V	340	34.78	27.92
9	#17475.00	49.7 AV	54.0	-4.3	1.18 V	340	21.78	27.92

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very 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	68.6 PK	74.0	-5.4	1.01 H	244	58.63	9.97
2	5150.00	51.9 AV	54.0	-2.1	1.01 H	244	41.93	9.97
3	*5180.00	109.6 PK			1.01 H	244	99.44	10.16
4	*5180.00	100.7 AV			1.01 H	244	90.54	10.16
5	#10360.00	54.5 PK	74.0	-19.5	1.00 H	112	37.52	16.98
6	#10360.00	43.5 AV	54.0	-10.5	1.00 H	112	26.52	16.98
7	15540.00	62.7 PK	74.0	-11.3	1.00 H	229	40.77	21.93
8	15540.00	49.7 AV	54.0	-4.3	1.00 H	229	27.77	21.93
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	64.1 PK	74.0	-9.9	2.67 V	322	54.13	9.97
2	5150.00	48.6 AV	54.0	-5.4	2.67 V	322	38.63	9.97
3	*5180.00	106.9 PK			2.67 V	322	96.74	10.16
4	*5180.00	97.8 AV			2.67 V	322	87.64	10.16
5	#10360.00	53.9 PK	74.0	-20.1	1.32 V	76	36.92	16.98
6	#10360.00	43.5 AV	54.0	-10.5	1.32 V	76	26.52	16.98
7	15540.00	63.0 PK	74.0	-11.0	1.19 V	342	41.07	21.93
8	15540.00	50.3 AV	54.0	-3.7	1.19 V	342	28.37	21.93

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	110.0 PK			3.07 H	263	99.74	10.26
2	*5200.00	101.3 AV			3.07 H	263	91.04	10.26
3	#10400.00	54.3 PK	74.0	-19.7	1.00 H	121	37.24	17.06
4	#10400.00	43.3 AV	54.0	-10.7	1.00 H	121	26.24	17.06
5	15600.00	62.0 PK	74.0	-12.0	1.00 H	235	39.72	22.28
6	15600.00	49.1 AV	54.0	-4.9	1.00 H	235	26.82	22.28
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	107.0 PK			2.76 V	307	96.74	10.26
2	*5200.00	98.0 AV			2.76 V	307	87.74	10.26
3	#10400.00	54.6 PK	74.0	-19.4	1.28 V	103	37.54	17.06
4	#10400.00	43.6 AV	54.0	-10.4	1.28 V	103	26.54	17.06
5	15600.00	62.9 PK	74.0	-11.1	1.13 V	350	40.62	22.28
6	15600.00	50.0 AV	54.0	-4.0	1.13 V	350	27.72	22.28

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	111.2 PK			3.04 H	262	100.87	10.33
2	*5240.00	102.4 AV			3.04 H	262	92.07	10.33
3	5350.00	53.2 PK	74.0	-20.8	3.04 H	262	42.65	10.55
4	5350.00	41.0 AV	54.0	-13.0	3.04 H	262	30.45	10.55
5	#10480.00	54.8 PK	74.0	-19.2	1.00 H	106	38.07	16.73
6	#10480.00	43.7 AV	54.0	-10.3	1.00 H	106	26.97	16.73
7	15720.00	62.6 PK	74.0	-11.4	1.00 H	223	39.97	22.63
8	15720.00	49.8 AV	54.0	-4.2	1.00 H	223	27.17	22.63
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	106.7 PK			2.67 V	319	96.37	10.33
2	*5240.00	97.6 AV			2.67 V	319	87.27	10.33
3	5350.00	48.7 PK	74.0	-25.3	2.67 V	319	38.15	10.55
4	5350.00	36.9 AV	54.0	-17.1	2.67 V	319	26.35	10.55
5	#10480.00	54.8 PK	74.0	-19.2	1.33 V	87	38.07	16.73
6	#10480.00	44.0 AV	54.0	-10.0	1.33 V	87	27.27	16.73
7	15720.00	62.7 PK	74.0	-11.3	1.13 V	348	40.07	22.63
8	15720.00	49.7 AV	54.0	-4.3	1.13 V	348	27.07	22.63

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK) 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	*5260.00	113.7 PK			1.86 H	85	109.31	4.39
2	*5260.00	103.1 AV			1.86 H	85	98.71	4.39
3	#10520.00	54.2 PK	74.0	-19.8	1.13 H	216	43.83	10.37
4	#10520.00	43.9 AV	54.0	-10.1	1.13 H	216	33.53	10.37
5	15780.00	58.3 PK	74.0	-15.7	1.19 H	168	43.58	14.72
6	15780.00	48.5 AV	54.0	-5.5	1.19 H	168	33.78	14.72
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	109.2 PK			1.40 V	97	104.81	4.39
2	*5260.00	98.8 AV			1.40 V	97	94.41	4.39
3	#10520.00	54.7 PK	74.0	-19.3	1.20 V	187	44.33	10.37
4	#10520.00	44.0 AV	54.0	-10.0	1.20 V	187	33.63	10.37
5	15780.00	59.8 PK	74.0	-14.2	1.05 V	192	45.08	14.72
6	15780.00	49.0 AV	54.0	-5.0	1.05 V	192	34.28	14.72

REMARKS:

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

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK) 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	*5300.00	113.5 PK			1.86 H	81	109.14	4.36
2	*5300.00	102.7 AV			1.86 H	81	98.34	4.36
3	10600.00	54.8 PK	74.0	-19.2	1.10 H	235	44.12	10.68
4	10600.00	44.6 AV	54.0	-9.4	1.10 H	235	33.92	10.68
5	15900.00	58.6 PK	74.0	-15.4	1.15 H	167	43.55	15.05
6	15900.00	48.6 AV	54.0	-5.4	1.15 H	167	33.55	15.05
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	109.3 PK			1.38 V	91	104.94	4.36
2	*5300.00	98.3 AV			1.38 V	91	93.94	4.36
3	10600.00	54.3 PK	74.0	-19.7	1.21 V	200	43.62	10.68
4	10600.00	43.5 AV	54.0	-10.5	1.21 V	200	32.82	10.68
5	15900.00	59.6 PK	74.0	-14.4	1.15 V	205	44.55	15.05
6	15900.00	48.8 AV	54.0	-5.2	1.15 V	205	33.75	15.05

REMARKS:

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

CHANNEL	TX Channel 64	DETECTOR FUNCTION	Peak (PK) 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	*5320.00	111.0 PK			1.50 H	67	106.58	4.42
2	*5320.00	101.2 AV			1.50 H	67	96.78	4.42
3	5350.00	73.0 PK	74.0	-1.0	1.50 H	67	68.49	4.51
4	5350.00	51.2 AV	54.0	-2.8	1.50 H	67	46.69	4.51
5	10640.00	53.7 PK	74.0	-20.3	1.05 H	213	43.07	10.63
6	10640.00	43.4 AV	54.0	-10.6	1.05 H	213	32.77	10.63
7	15960.00	57.9 PK	74.0	-16.1	1.11 H	182	42.93	14.97
8	15960.00	48.3 AV	54.0	-5.7	1.11 H	182	33.33	14.97
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	107.2 PK			1.45 V	88	102.78	4.42
2	*5320.00	97.5 AV			1.45 V	88	93.08	4.42
3	5350.00	69.2 PK	74.0	-4.8	1.45 V	88	64.69	4.51
4	5350.00	47.7 AV	54.0	-6.3	1.45 V	88	43.19	4.51
5	10640.00	54.7 PK	74.0	-19.3	1.17 V	201	44.07	10.63
6	10640.00	43.8 AV	54.0	-10.2	1.17 V	201	33.17	10.63
7	15960.00	59.4 PK	74.0	-14.6	1.06 V	195	44.43	14.97
8	15960.00	49.1 AV	54.0	-4.9	1.06 V	195	34.13	14.97

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	73.6 PK	74.0	-0.4	1.45 H	64	68.99	4.61
2	#5470.00	51.8 AV	54.0	-2.2	1.45 H	64	47.19	4.61
3	*5500.00	109.8 PK			1.45 H	64	105.21	4.59
4	*5500.00	100.7 AV			1.45 H	64	96.11	4.59
5	11000.00	53.4 PK	74.0	-20.6	1.06 H	228	42.55	10.85
6	11000.00	43.2 AV	54.0	-10.8	1.06 H	228	32.35	10.85
7	#16500.00	57.5 PK	74.0	-16.5	1.17 H	167	40.51	16.99
8	#16500.00	47.7 AV	54.0	-6.3	1.17 H	167	30.71	16.99
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	69.3 PK	74.0	-4.7	1.38 V	88	64.69	4.61
2	#5470.00	47.4 AV	54.0	-6.6	1.38 V	88	42.79	4.61
3	*5500.00	105.6 PK			1.38 V	88	101.01	4.59
4	*5500.00	96.6 AV			1.38 V	88	92.01	4.59
5	11000.00	54.2 PK	74.0	-19.8	1.19 V	204	43.35	10.85
6	11000.00	43.5 AV	54.0	-10.5	1.19 V	204	32.65	10.85
7	#16500.00	58.9 PK	74.0	-15.1	1.17 V	215	41.91	16.99
8	#16500.00	48.5 AV	54.0	-5.5	1.17 V	215	31.51	16.99

REMARKS:

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

CHANNEL	TX Channel 116	DETECTOR FUNCTION	Peak (PK) 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	*5580.00	114.1 PK			1.81 H	67	109.22	4.88
2	*5580.00	103.1 AV			1.81 H	67	98.22	4.88
3	11160.00	53.5 PK	74.0	-20.5	1.14 H	217	42.78	10.72
4	11160.00	43.5 AV	54.0	-10.5	1.14 H	217	32.78	10.72
5	#16740.00	57.2 PK	74.0	-16.8	1.15 H	188	39.32	17.88
6	#16740.00	47.6 AV	54.0	-6.4	1.15 H	188	29.72	17.88
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	110.3 PK			1.37 V	99	105.42	4.88
2	*5580.00	99.4 AV			1.37 V	99	94.52	4.88
3	11160.00	54.2 PK	74.0	-19.8	1.14 V	181	43.48	10.72
4	11160.00	43.5 AV	54.0	-10.5	1.14 V	181	32.78	10.72
5	#16740.00	59.4 PK	74.0	-14.6	1.10 V	216	41.52	17.88
6	#16740.00	48.7 AV	54.0	-5.3	1.10 V	216	30.82	17.88

REMARKS:

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

CHANNEL	TX Channel 132	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	*5660.00	112.8 PK			1.81 H	90	107.87	4.93
2	*5660.00	102.2 AV			1.81 H	90	97.27	4.93
3	11320.00	54.0 PK	74.0	-20.0	1.09 H	243	43.19	10.81
4	11320.00	43.8 AV	54.0	-10.2	1.09 H	243	32.99	10.81
5	#16980.00	57.9 PK	74.0	-16.1	1.16 H	172	39.56	18.34
6	#16980.00	48.4 AV	54.0	-5.6	1.16 H	172	30.06	18.34
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5660.00	109.0 PK			1.34 V	76	104.07	4.93
2	*5660.00	98.4 AV			1.34 V	76	93.47	4.93
3	11320.00	54.4 PK	74.0	-19.6	1.13 V	202	43.59	10.81
4	11320.00	43.7 AV	54.0	-10.3	1.13 V	202	32.89	10.81
5	#16980.00	59.6 PK	74.0	-14.4	1.09 V	197	41.26	18.34
6	#16980.00	49.0 AV	54.0	-5.0	1.09 V	197	30.66	18.34

REMARKS:

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

CHANNEL	TX Channel 140	DETECTOR FUNCTION	Peak (PK) 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	*5700.00	108.2 PK			1.40 H	65	103.29	4.91
2	*5700.00	98.9 AV			1.40 H	65	93.99	4.91
3	#5725.00	73.1 PK	74.0	-0.9	1.40 H	65	68.17	4.93
4	#5725.00	53.7 AV	54.0	-0.3	1.40 H	65	48.77	4.93
5	11400.00	53.7 PK	74.0	-20.3	1.11 H	216	43.07	10.63
6	11400.00	43.3 AV	54.0	-10.7	1.11 H	216	32.67	10.63
7	#17100.00	57.5 PK	74.0	-16.5	1.18 H	177	38.95	18.55
8	#17100.00	47.7 AV	54.0	-6.3	1.18 H	177	29.15	18.55
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	104.3 PK			1.39 V	72	99.39	4.91
2	*5700.00	94.8 AV			1.39 V	72	89.89	4.91
3	#5725.00	68.9 PK	74.0	-5.1	1.39 V	72	63.97	4.93
4	#5725.00	49.5 AV	54.0	-4.5	1.39 V	72	44.57	4.93
5	11400.00	54.1 PK	74.0	-19.9	1.13 V	183	43.47	10.63
6	11400.00	43.2 AV	54.0	-10.8	1.13 V	183	32.57	10.63
7	#17100.00	59.3 PK	74.0	-14.7	1.17 V	215	40.75	18.55
8	#17100.00	49.0 AV	54.0	-5.0	1.17 V	215	30.45	18.55

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	#5715.00	64.4 PK	74.0	-9.6	1.01 H	249	52.87	11.53
2	#5715.00	49.7 AV	54.0	-4.3	1.01 H	249	38.17	11.53
3	#5725.00	77.5 PK	78.2	-0.7	1.01 H	249	65.95	11.55
4	*5745.00	109.6 PK			1.01 H	249	97.97	11.63
5	*5745.00	100.5 AV			1.01 H	249	88.87	11.63
6	11490.00	54.0 PK	74.0	-20.0	1.00 H	118	36.70	17.30
7	11490.00	42.9 AV	54.0	-11.1	1.00 H	118	25.60	17.30
8	#17235.00	62.2 PK	74.0	-11.8	1.00 H	220	35.39	26.81
9	#17235.00	49.1 AV	54.0	-4.9	1.00 H	220	22.29	26.81
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	63.3 PK	74.0	-10.7	2.79 V	321	51.77	11.53
2	#5715.00	44.6 AV	54.0	-9.4	2.79 V	321	33.07	11.53
3	#5725.00	74.0 PK	78.2	-4.2	2.79 V	321	62.45	11.55
4	*5745.00	104.6 PK			2.79 V	321	92.97	11.63
5	*5745.00	94.4 AV			2.79 V	321	82.77	11.63
6	11490.00	54.5 PK	74.0	-19.5	1.30 V	101	37.20	17.30
7	11490.00	43.8 AV	54.0	-10.2	1.30 V	101	26.50	17.30
8	#17235.00	62.6 PK	74.0	-11.4	1.15 V	350	35.79	26.81
9	#17235.00	50.1 AV	54.0	-3.9	1.15 V	350	23.29	26.81

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	*5785.00	110.6 PK			2.90 H	269	98.86	11.74
2	*5785.00	101.5 AV			2.90 H	269	89.76	11.74
3	11570.00	54.7 PK	74.0	-19.3	1.00 H	123	36.79	17.91
4	11570.00	43.3 AV	54.0	-10.7	1.00 H	123	25.39	17.91
5	#17355.00	62.1 PK	74.0	-11.9	1.00 H	210	34.96	27.14
6	#17355.00	49.1 AV	54.0	-4.9	1.00 H	210	21.96	27.14
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	107.1 PK			2.70 V	333	95.36	11.74
2	*5785.00	97.6 AV			2.70 V	333	85.86	11.74
3	11570.00	54.5 PK	74.0	-19.5	1.27 V	100	36.59	17.91
4	11570.00	43.8 AV	54.0	-10.2	1.27 V	100	25.89	17.91
5	#17355.00	63.2 PK	74.0	-10.8	1.18 V	330	36.06	27.14
6	#17355.00	50.2 AV	54.0	-3.8	1.18 V	330	23.06	27.14

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	*5825.00	111.1 PK			2.76 H	237	99.32	11.78
2	*5825.00	101.7 AV			2.76 H	237	89.92	11.78
3	#5850.00	72.9 PK	78.2	-5.3	2.76 H	237	61.15	11.75
4	#5860.00	63.3 PK	74.0	-10.7	2.76 H	237	51.55	11.75
5	#5860.00	47.2 AV	54.0	-6.8	2.76 H	237	35.45	11.75
6	11650.00	54.6 PK	74.0	-19.4	1.01 H	133	36.44	18.16
7	11650.00	43.5 AV	54.0	-10.5	1.01 H	133	25.34	18.16
8	#17475.00	62.4 PK	74.0	-11.6	1.00 H	228	34.48	27.92
9	#17475.00	49.3 AV	54.0	-4.7	1.00 H	228	21.38	27.92
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	107.0 PK			2.70 V	298	95.22	11.78
2	*5825.00	97.9 AV			2.70 V	298	86.12	11.78
3	#5850.00	72.0 PK	78.2	-6.2	2.70 V	298	60.25	11.75
4	#5860.00	64.4 PK	74.0	-9.6	2.70 V	298	52.65	11.75
5	#5860.00	46.5 AV	54.0	-7.5	2.70 V	298	34.75	11.75
6	11650.00	54.1 PK	74.0	-19.9	1.30 V	90	35.94	18.16
7	11650.00	43.6 AV	54.0	-10.4	1.30 V	90	25.44	18.16
8	#17475.00	62.8 PK	74.0	-11.2	1.13 V	345	34.88	27.92
9	#17475.00	49.8 AV	54.0	-4.2	1.13 V	345	21.88	27.92

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very 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	65.6 PK	74.0	-8.4	1.04 H	253	55.63	9.97
2	5150.00	51.7 AV	54.0	-2.3	1.04 H	253	41.73	9.97
3	*5190.00	101.3 PK			1.04 H	253	91.10	10.20
4	*5190.00	92.7 AV			1.04 H	253	82.50	10.20
5	5350.00	51.8 PK	74.0	-22.2	1.04 H	253	41.25	10.55
6	5350.00	38.7 AV	54.0	-15.3	1.04 H	253	28.15	10.55
7	#10380.00	53.9 PK	74.0	-20.1	1.00 H	118	36.88	17.02
8	#10380.00	42.9 AV	54.0	-11.1	1.00 H	118	25.88	17.02
9	15570.00	62.4 PK	74.0	-11.6	1.00 H	227	40.30	22.10
10	15570.00	49.3 AV	54.0	-4.7	1.00 H	227	27.20	22.10
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	62.7 PK	74.0	-11.3	3.05 V	335	52.73	9.97
2	5150.00	48.2 AV	54.0	-5.8	3.05 V	335	38.23	9.97
3	*5190.00	96.2 PK			3.05 V	335	86.00	10.20
4	*5190.00	87.2 AV			3.05 V	335	77.00	10.20
5	5350.00	49.5 PK	74.0	-24.5	3.05 V	335	38.95	10.55
6	5350.00	36.4 AV	54.0	-17.6	3.05 V	335	25.85	10.55
7	#10380.00	53.9 PK	74.0	-20.1	1.33 V	90	36.88	17.02
8	#10380.00	43.2 AV	54.0	-10.8	1.33 V	90	26.18	17.02
9	15570.00	62.8 PK	74.0	-11.2	1.18 V	321	40.70	22.10
10	15570.00	49.8 AV	54.0	-4.2	1.18 V	321	27.70	22.10

REMARKS:

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

CHANNEL	TX Channel 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	5150.00	65.3 PK	74.0	-8.7	2.93 H	265	55.33	9.97
2	5150.00	51.5 AV	54.0	-2.5	2.93 H	265	41.53	9.97
3	*5230.00	108.0 PK			2.93 H	265	97.68	10.32
4	*5230.00	98.6 AV			2.93 H	265	88.28	10.32
5	5350.00	54.3 PK	74.0	-19.7	2.93 H	265	43.75	10.55
6	5350.00	41.2 AV	54.0	-12.8	2.93 H	265	30.65	10.55
7	#10460.00	53.9 PK	74.0	-20.1	1.00 H	134	37.08	16.82
8	#10460.00	43.0 AV	54.0	-11.0	1.00 H	134	26.18	16.82
9	15690.00	62.1 PK	74.0	-11.9	1.00 H	240	39.58	22.52
10	15690.00	49.2 AV	54.0	-4.8	1.00 H	240	26.68	22.52
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	103.4 PK			3.06 V	278	93.08	10.32
2	*5230.00	94.2 AV			3.06 V	278	83.88	10.32
3	5350.00	52.0 PK	74.0	-22.0	3.06 V	278	41.45	10.55
4	5350.00	39.6 AV	54.0	-14.4	3.06 V	278	29.05	10.55
5	#10460.00	54.4 PK	74.0	-19.6	1.27 V	92	37.58	16.82
6	#10460.00	43.7 AV	54.0	-10.3	1.27 V	92	26.88	16.82
7	15690.00	62.9 PK	74.0	-11.1	1.19 V	320	40.38	22.52
8	15690.00	50.0 AV	54.0	-4.0	1.19 V	320	27.48	22.52

REMARKS:

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

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK) 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	*5270.00	109.7 PK			1.81 H	65	105.32	4.38
2	*5270.00	99.7 AV			1.81 H	65	95.32	4.38
3	#10540.00	53.3 PK	74.0	-20.7	1.07 H	219	42.85	10.45
4	#10540.00	43.2 AV	54.0	-10.8	1.07 H	219	32.75	10.45
5	15810.00	57.5 PK	74.0	-16.5	1.19 H	184	42.72	14.78
6	15810.00	47.9 AV	54.0	-6.1	1.19 H	184	33.12	14.78
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5270.00	106.0 PK			1.34 V	80	101.62	4.38
2	*5270.00	96.2 AV			1.34 V	80	91.82	4.38
3	#10540.00	54.6 PK	74.0	-19.4	1.19 V	184	44.15	10.45
4	#10540.00	43.7 AV	54.0	-10.3	1.19 V	184	33.25	10.45
5	15810.00	59.7 PK	74.0	-14.3	1.12 V	197	44.92	14.78
6	15810.00	49.0 AV	54.0	-5.0	1.12 V	197	34.22	14.78

REMARKS:

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

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK) 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	*5310.00	107.1 PK			1.79 H	73	102.71	4.39
2	*5310.00	96.4 AV			1.79 H	73	92.01	4.39
3	5350.00	68.1 PK	74.0	-5.9	1.79 H	73	63.59	4.51
4	5350.00	53.4 AV	54.0	-0.6	1.79 H	73	48.89	4.51
5	10620.00	53.5 PK	74.0	-20.5	1.10 H	234	42.85	10.65
6	10620.00	43.2 AV	54.0	-10.8	1.10 H	234	32.55	10.65
7	15930.00	57.7 PK	74.0	-16.3	1.13 H	181	42.69	15.01
8	15930.00	47.9 AV	54.0	-6.1	1.13 H	181	32.89	15.01
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	103.1 PK			1.42 V	98	98.71	4.39
2	*5310.00	92.5 AV			1.42 V	98	88.11	4.39
3	5350.00	63.6 PK	74.0	-10.4	1.42 V	98	59.09	4.51
4	5350.00	49.2 AV	54.0	-4.8	1.42 V	98	44.69	4.51
5	10620.00	54.5 PK	74.0	-19.5	1.14 V	202	43.85	10.65
6	10620.00	43.8 AV	54.0	-10.2	1.14 V	202	33.15	10.65
7	15930.00	59.5 PK	74.0	-14.5	1.17 V	194	44.49	15.01
8	15930.00	49.0 AV	54.0	-5.0	1.17 V	194	33.99	15.01

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	69.8 PK	74.0	-4.2	1.72 H	67	65.19	4.61
2	#5470.00	53.0 AV	54.0	-1.0	1.72 H	67	48.39	4.61
3	*5510.00	103.7 PK			1.72 H	67	99.07	4.63
4	*5510.00	93.9 AV			1.72 H	67	89.27	4.63
5	11020.00	53.8 PK	74.0	-20.2	1.14 H	233	42.98	10.82
6	11020.00	43.8 AV	54.0	-10.2	1.14 H	233	32.98	10.82
7	#16530.00	57.6 PK	74.0	-16.4	1.14 H	191	40.56	17.04
8	#16530.00	48.0 AV	54.0	-6.0	1.14 H	191	30.96	17.04
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	65.9 PK	74.0	-8.1	1.35 V	73	61.29	4.61
2	#5470.00	49.4 AV	54.0	-4.6	1.35 V	73	44.79	4.61
3	*5510.00	99.1 PK			1.35 V	73	94.47	4.63
4	*5510.00	89.6 AV			1.35 V	73	84.97	4.63
5	11020.00	53.7 PK	74.0	-20.3	1.13 V	192	42.88	10.82
6	11020.00	43.2 AV	54.0	-10.8	1.13 V	192	32.38	10.82
7	#16530.00	59.2 PK	74.0	-14.8	1.12 V	202	42.16	17.04
8	#16530.00	48.8 AV	54.0	-5.2	1.12 V	202	31.76	17.04

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	71.1 PK	74.0	-2.9	1.72 H	65	66.49	4.61
2	#5470.00	53.0 AV	54.0	-1.0	1.72 H	65	48.39	4.61
3	*5550.00	109.7 PK			1.72 H	65	104.93	4.77
4	*5550.00	99.8 AV			1.72 H	65	95.03	4.77
5	11100.00	54.0 PK	74.0	-20.0	1.10 H	222	43.31	10.69
6	11100.00	43.5 AV	54.0	-10.5	1.10 H	222	32.81	10.69
7	#16650.00	57.6 PK	74.0	-16.4	1.10 H	167	40.19	17.41
8	#16650.00	48.3 AV	54.0	-5.7	1.10 H	167	30.89	17.41
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	66.9 PK	74.0	-7.1	1.35 V	98	62.29	4.61
2	#5470.00	49.1 AV	54.0	-4.9	1.35 V	98	44.49	4.61
3	*5550.00	105.5 PK			1.35 V	98	100.73	4.77
4	*5550.00	95.4 AV			1.35 V	98	90.63	4.77
5	11100.00	54.1 PK	74.0	-19.9	1.15 V	193	43.41	10.69
6	11100.00	43.5 AV	54.0	-10.5	1.15 V	193	32.81	10.69
7	#16650.00	59.4 PK	74.0	-14.6	1.05 V	205	41.99	17.41
8	#16650.00	48.7 AV	54.0	-5.3	1.05 V	205	31.29	17.41

REMARKS:

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

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK) 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	*5670.00	108.9 PK			1.69 H	64	103.97	4.93
2	*5670.00	98.1 AV			1.69 H	64	93.17	4.93
3	#5725.00	68.9 PK	74.0	-5.1	1.69 H	64	63.97	4.93
4	#5725.00	52.0 AV	54.0	-2.0	1.69 H	64	47.07	4.93
5	11340.00	53.1 PK	74.0	-20.9	1.07 H	232	42.34	10.76
6	11340.00	43.0 AV	54.0	-11.0	1.07 H	232	32.24	10.76
7	#17010.00	56.8 PK	74.0	-17.2	1.14 H	192	38.43	18.37
8	#17010.00	47.5 AV	54.0	-6.5	1.14 H	192	29.13	18.37
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	104.4 PK			1.35 V	96	99.47	4.93
2	*5670.00	93.8 AV			1.35 V	96	88.87	4.93
3	#5725.00	65.2 PK	74.0	-8.8	1.35 V	96	60.27	4.93
4	#5725.00	48.1 AV	54.0	-5.9	1.35 V	96	43.17	4.93
5	11340.00	54.6 PK	74.0	-19.4	1.14 V	200	43.84	10.76
6	11340.00	43.9 AV	54.0	-10.1	1.14 V	200	33.14	10.76
7	#17010.00	59.0 PK	74.0	-15.0	1.08 V	214	40.63	18.37
8	#17010.00	48.4 AV	54.0	-5.6	1.08 V	214	30.03	18.37

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	#5715.00	67.9 PK	74.0	-6.1	2.90 H	262	56.37	11.53
2	#5715.00	51.7 AV	54.0	-2.3	2.90 H	262	40.17	11.53
3	#5725.00	70.1 PK	78.2	-8.1	2.90 H	262	58.55	11.55
4	*5755.00	102.6 PK			2.90 H	262	90.96	11.64
5	*5755.00	92.9 AV			2.90 H	262	81.26	11.64
6	11510.00	54.7 PK	74.0	-19.3	1.00 H	106	37.40	17.30
7	11510.00	43.4 AV	54.0	-10.6	1.00 H	106	26.10	17.30
8	#17265.00	62.0 PK	74.0	-12.0	1.00 H	226	35.29	26.71
9	#17265.00	49.1 AV	54.0	-4.9	1.00 H	226	22.39	26.71
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	63.8 PK	74.0	-10.2	3.03 V	329	52.27	11.53
2	#5715.00	47.8 AV	54.0	-6.2	3.03 V	329	36.27	11.53
3	#5725.00	66.6 PK	78.2	-11.6	3.03 V	329	55.05	11.55
4	*5755.00	96.2 PK			3.03 V	329	84.56	11.64
5	*5755.00	87.3 AV			3.03 V	329	75.66	11.64
6	11510.00	54.2 PK	74.0	-19.8	1.29 V	95	36.90	17.30
7	11510.00	43.3 AV	54.0	-10.7	1.29 V	95	26.00	17.30
8	#17265.00	62.6 PK	74.0	-11.4	1.20 V	336	35.89	26.71
9	#17265.00	49.7 AV	54.0	-4.3	1.20 V	336	22.99	26.71

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	107.4 PK			2.85 H	263	95.62	11.78
2	*5795.00	97.3 AV			2.85 H	263	85.52	11.78
3	#5850.00	72.3 PK	78.2	-5.9	2.85 H	263	60.55	11.75
4	#5860.00	68.8 PK	74.0	-5.2	2.85 H	263	57.05	11.75
5	#5860.00	51.6 AV	54.0	-2.4	2.85 H	263	39.85	11.75
6	11590.00	54.2 PK	74.0	-19.8	1.01 H	127	36.09	18.11
7	11590.00	42.7 AV	54.0	-11.3	1.01 H	127	24.59	18.11
8	#17385.00	62.3 PK	74.0	-11.7	1.00 H	215	34.85	27.45
9	#17385.00	49.1 AV	54.0	-4.9	1.00 H	215	21.65	27.45
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	101.8 PK			3.05 V	317	90.02	11.78
2	*5795.00	92.0 AV			3.05 V	317	80.22	11.78
3	#5850.00	64.4 PK	78.2	-13.8	3.05 V	317	52.65	11.75
4	#5860.00	60.4 PK	74.0	-13.6	3.05 V	317	48.65	11.75
5	#5860.00	46.6 AV	54.0	-7.4	3.05 V	317	34.85	11.75
6	11590.00	54.3 PK	74.0	-19.7	1.32 V	83	36.19	18.11
7	11590.00	43.7 AV	54.0	-10.3	1.32 V	83	25.59	18.11
8	#17385.00	62.5 PK	74.0	-11.5	1.14 V	336	35.05	27.45
9	#17385.00	49.6 AV	54.0	-4.4	1.14 V	336	22.15	27.45

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very 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	64.7 PK	74.0	-9.3	3.14 H	246	54.73	9.97
2	5150.00	51.4 AV	54.0	-2.6	3.14 H	246	41.43	9.97
3	*5210.00	98.0 PK			3.14 H	246	87.73	10.27
4	*5210.00	88.6 AV			3.14 H	246	78.33	10.27
5	5350.00	51.7 PK	74.0	-22.3	3.14 H	246	41.15	10.55
6	5350.00	39.4 AV	54.0	-14.6	3.14 H	246	28.85	10.55
7	#10420.00	54.8 PK	74.0	-19.2	1.00 H	126	37.82	16.98
8	#10420.00	43.4 AV	54.0	-10.6	1.00 H	126	26.42	16.98
9	15630.00	62.0 PK	74.0	-12.0	1.00 H	220	39.63	22.37
10	15630.00	49.1 AV	54.0	-4.9	1.00 H	220	26.73	22.37
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	62.6 PK	74.0	-11.4	2.73 V	289	52.63	9.97
2	5150.00	47.1 AV	54.0	-6.9	2.73 V	289	37.13	9.97
3	*5210.00	97.0 PK			2.73 V	289	86.73	10.27
4	*5210.00	85.2 AV			2.73 V	289	74.93	10.27
5	5350.00	47.8 PK	74.0	-26.2	2.73 V	289	37.25	10.55
6	5350.00	36.0 AV	54.0	-18.0	2.73 V	289	25.45	10.55
7	#10420.00	54.4 PK	74.0	-19.6	1.28 V	90	37.42	16.98
8	#10420.00	44.0 AV	54.0	-10.0	1.28 V	90	27.02	16.98
9	15630.00	63.2 PK	74.0	-10.8	1.11 V	345	40.83	22.37
10	15630.00	50.1 AV	54.0	-3.9	1.11 V	345	27.73	22.37

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	99.2 PK			1.80 H	72	94.83	4.37
2	*5290.00	89.6 AV			1.80 H	72	85.23	4.37
3	5350.00	67.7 PK	74.0	-6.3	1.80 H	72	63.19	4.51
4	5350.00	53.0 AV	54.0	-1.0	1.80 H	72	48.49	4.51
5	#10580.00	53.8 PK	74.0	-20.2	1.12 H	236	43.19	10.61
6	#10580.00	43.7 AV	54.0	-10.3	1.12 H	236	33.09	10.61
7	15870.00	58.3 PK	74.0	-15.7	1.20 H	177	43.34	14.96
8	15870.00	48.5 AV	54.0	-5.5	1.20 H	177	33.54	14.96
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5290.00	95.2 PK			1.39 V	72	90.83	4.37
2	*5290.00	85.6 AV			1.39 V	72	81.23	4.37
3	5350.00	63.3 PK	74.0	-10.7	1.39 V	72	58.79	4.51
4	5350.00	48.6 AV	54.0	-5.4	1.39 V	72	44.09	4.51
5	#10580.00	54.4 PK	74.0	-19.6	1.17 V	184	43.79	10.61
6	#10580.00	43.7 AV	54.0	-10.3	1.17 V	184	33.09	10.61
7	15870.00	59.9 PK	74.0	-14.1	1.07 V	213	44.94	14.96
8	15870.00	49.1 AV	54.0	-4.9	1.07 V	213	34.14	14.96

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	69.7 PK	74.0	-4.3	1.75 H	63	65.09	4.61
2	**#5470.00**	**53.8 AV**	**54.0**	**-0.2**	**1.75 H**	**63**	**49.19**	**4.61**
3	*5530.00	99.3 PK			1.75 H	63	94.60	4.70
4	*5530.00	89.1 AV			1.75 H	63	84.40	4.70
5	11060.00	53.3 PK	74.0	-20.7	1.16 H	217	42.55	10.75
6	11060.00	43.0 AV	54.0	-11.0	1.16 H	217	32.25	10.75
7	#16590.00	57.5 PK	74.0	-16.5	1.15 H	179	40.34	17.16
8	#16590.00	47.8 AV	54.0	-6.2	1.15 H	179	30.64	17.16
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	65.7 PK	74.0	-8.3	1.36 V	63	61.09	4.61
2	#5470.00	49.6 AV	54.0	-4.4	1.36 V	63	44.99	4.61
3	*5530.00	95.4 PK			1.36 V	63	90.70	4.70
4	*5530.00	84.9 AV			1.36 V	63	80.20	4.70
5	11060.00	54.1 PK	74.0	-19.9	1.23 V	191	43.35	10.75
6	11060.00	43.4 AV	54.0	-10.6	1.23 V	191	32.65	10.75
7	#16590.00	59.3 PK	74.0	-14.7	1.12 V	187	42.14	17.16
8	#16590.00	49.0 AV	54.0	-5.0	1.12 V	187	31.84	17.16

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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	#5715.00	64.6 PK	74.0	-9.4	2.86 H	251	53.07	11.53
2	#5715.00	49.2 AV	54.0	-4.8	2.86 H	251	37.67	11.53
3	#5725.00	64.6 PK	78.2	-13.6	2.86 H	251	53.05	11.55
4	*5775.00	95.4 PK			2.86 H	251	83.68	11.72
5	*5775.00	85.8 AV			2.86 H	251	74.08	11.72
6	#5850.00	64.8 PK	78.2	-13.4	2.86 H	251	53.05	11.75
7	#5860.00	61.6 PK	74.0	-12.4	2.86 H	251	49.85	11.75
8	#5860.00	46.1 AV	54.0	-7.9	2.86 H	251	34.35	11.75
9	11550.00	54.4 PK	74.0	-19.6	1.00 H	107	36.69	17.71
10	11550.00	43.5 AV	54.0	-10.5	1.00 H	107	25.79	17.71
11	#17325.00	61.7 PK	74.0	-12.3	1.00 H	216	34.85	26.85
12	#17325.00	48.9 AV	54.0	-5.1	1.00 H	216	22.05	26.85
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5715.00	61.6 PK	74.0	-12.4	2.76 V	285	50.07	11.53
2	#5715.00	47.4 AV	54.0	-6.6	2.76 V	285	35.87	11.53
3	#5725.00	61.5 PK	78.2	-16.7	2.70 V	289	49.95	11.55
4	*5775.00	94.9 PK			2.75 V	283	83.18	11.72
5	*5775.00	84.6 AV			2.75 V	283	72.88	11.72
6	#5850.00	57.9 PK	78.2	-20.3	2.72 V	287	46.15	11.75
7	#5860.00	55.6 PK	74.0	-18.4	2.71 V	291	43.85	11.75
8	#5860.00	41.5 AV	54.0	-12.5	2.71 V	291	29.75	11.75
9	11550.00	54.4 PK	74.0	-19.6	1.33 V	97	36.69	17.71
10	11550.00	43.8 AV	54.0	-10.2	1.33 V	97	26.09	17.71
11	#17325.00	62.9 PK	74.0	-11.1	1.17 V	328	36.05	26.85
12	#17325.00	50.0 AV	54.0	-4.0	1.17 V	328	23.15	26.85

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very 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

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CHANNEL	TX Channel 60	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	Below 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	99.65	32.3 QP	43.5	-11.2	2.00 H	211	51.94	-19.65
2	244.69	40.4 QP	46.0	-5.6	1.00 H	360	56.71	-16.33
3	323.23	34.5 QP	46.0	-11.5	1.00 H	151	47.95	-13.49
4	399.64	28.4 QP	46.0	-17.6	2.00 H	248	40.22	-11.79
5	729.10	41.8 QP	46.0	-4.2	2.00 H	0	46.51	-4.74
6	899.27	33.6 QP	46.0	-12.4	1.50 H	264	35.86	-2.22
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	41.49	34.7 QP	40.0	-5.3	1.00 V	287	50.33	-15.60
2	199.80	38.8 QP	43.5	-4.7	1.50 V	0	57.14	-18.33
3	244.64	33.1 QP	46.0	-12.9	1.50 V	277	49.44	-16.33
4	532.85	29.7 QP	46.0	-16.3	1.00 V	261	38.26	-8.54
5	688.85	26.5 QP	46.0	-19.5	1.00 V	300	32.10	-5.63
6	933.39	33.1 QP	46.0	-12.9	1.00 V	292	34.76	-1.65

REMARKS:

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

4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

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

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

4.2.2 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver LIG NEX1	ER-265	L09068005	July 22, 2013	July 21, 2014
Pulse Limiter	VTSD 9561F	NA	NA	NA
Line-Impedance Stabilization Network (for EUT) SCHWARZBECK	NSLK8127	8127-522	Sep. 05, 2013	Sep. 04, 2014
Line-Impedance Stabilization Network (for Peripheral)	ENV216	100072	June 06, 2013	June 05, 2014
RF Cable (JYEBAO)	5DFB	COCCAB-001	Mar. 11, 2013	Mar. 10, 2014
50 ohms Terminator	50	EMC-03	Sep. 24, 2013	Sep. 23, 2014
Software ADT	BV ADT_Cond_V7.3.7.3	NA	NA	NA

Note:
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Shielded Room No. C.
3 The VCCI Con C Registration No. is C-3611.
4 Tested Date: Feb. 14, 2014

4.2.3 Test Procedure

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

b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

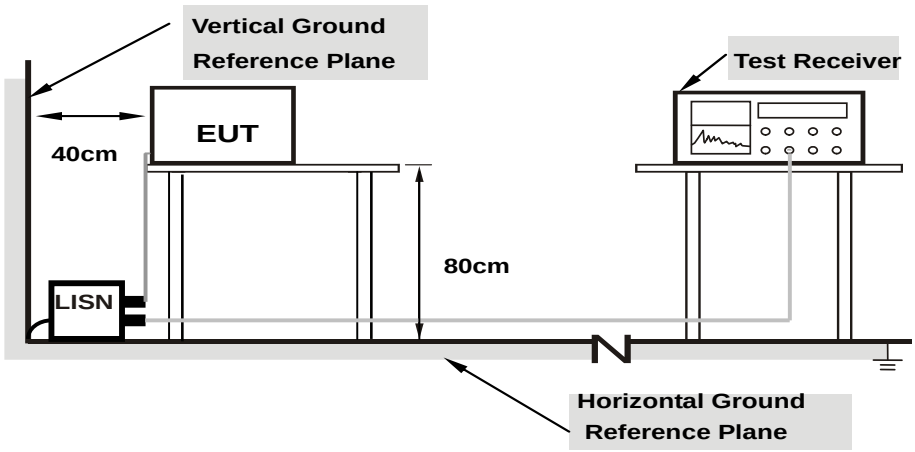
c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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

4.2.6 EUT Operating Condition

1. Connect the EUT with the support unit A (Notebook Computer) which is placed on test table.
2. The support unit D (Notebook Computer) runs test program "DutApiMimoBtFmBrdigeEth.exe[ver.2.0.0.43]" to enable EUT under transmission/receiving condition continuously at specific channel frequency.

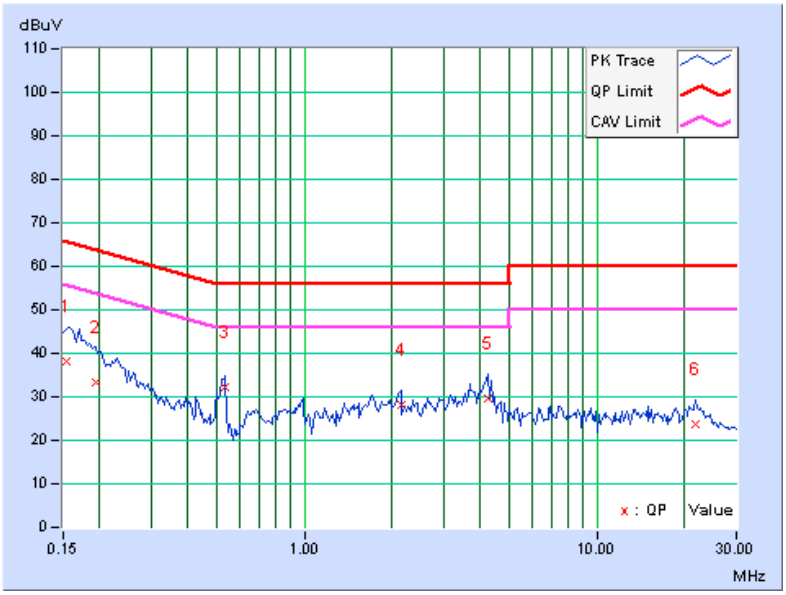
4.2.7 Test Results (Mode 1)

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

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.08	37.91	22.36	37.99	22.44	65.79	55.79	-27.79	-33.34
2	0.19297	0.10	33.19	20.83	33.29	20.93	63.91	53.91	-30.62	-32.98
3	0.53672	0.15	31.98	29.61	32.13	29.76	56.00	46.00	-23.87	-16.24
4	2.14063	0.21	27.95	24.02	28.16	24.23	56.00	46.00	-27.84	-21.77
5	4.24219	0.29	29.19	21.31	29.48	21.60	56.00	46.00	-26.52	-24.40
6	21.80469	0.76	23.11	18.36	23.87	19.12	60.00	50.00	-36.13	-30.88

Remarks:

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

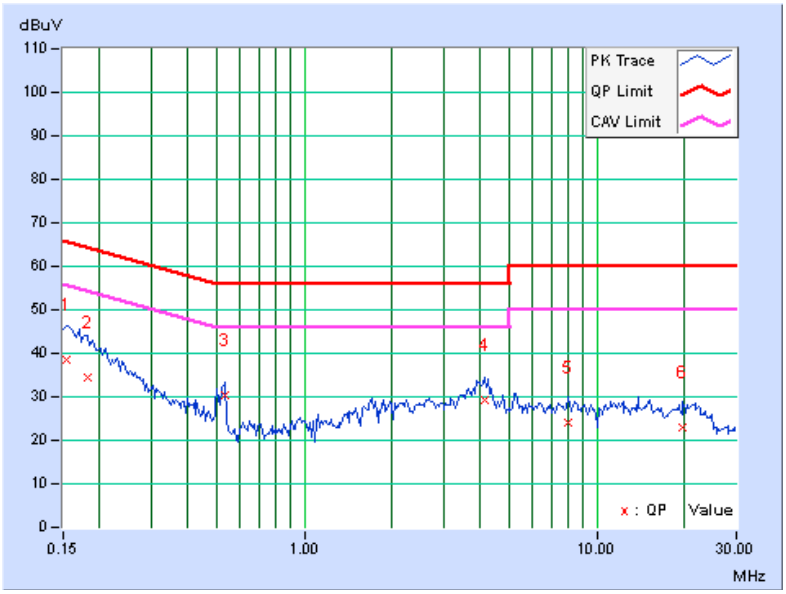


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.09	38.37	22.72	38.46	22.81	65.79	55.79	-27.33	-32.98
2	0.18125	0.10	34.46	20.16	34.56	20.26	64.43	54.43	-29.87	-34.17
3	0.53672	0.15	30.06	28.15	30.21	28.30	56.00	46.00	-25.79	-17.70
4	4.14844	0.28	29.06	22.84	29.34	23.12	56.00	46.00	-26.66	-22.88
5	7.98047	0.41	23.71	18.08	24.12	18.49	60.00	50.00	-35.88	-31.51
6	19.63672	0.69	22.19	16.70	22.88	17.39	60.00	50.00	-37.12	-32.61

Remarks:

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



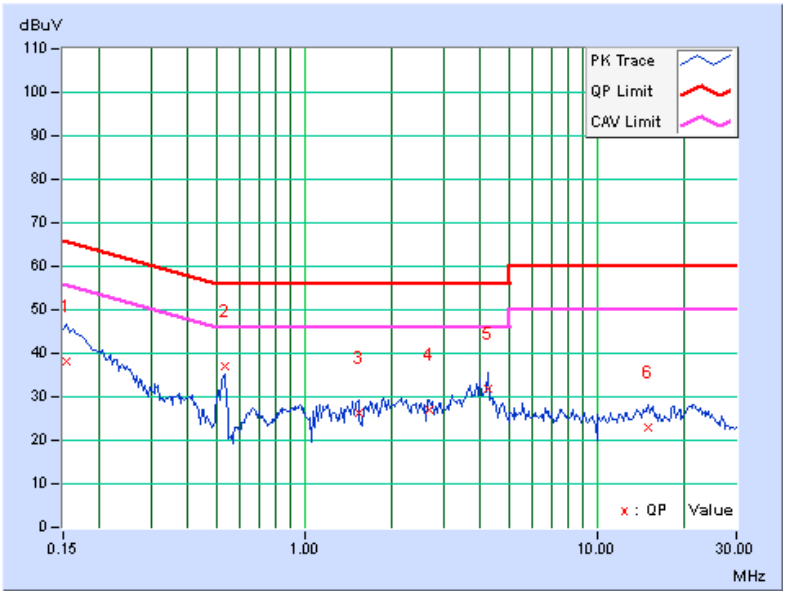
4.2.8 Test Results (Mode 2)

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

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	0.08	38.01	22.33	38.09	22.41	65.79	55.79	-27.69	-33.37
2	**0.53281**	**0.15**	**36.79**	**31.77**	**36.94**	**31.92**	**56.00**	**46.00**	**-19.06**	**-14.08**
3	1.53906	0.19	26.10	21.62	26.29	21.81	56.00	46.00	-29.71	-24.19
4	2.67188	0.23	26.97	21.18	27.20	21.41	56.00	46.00	-28.80	-24.59
5	4.25000	0.29	31.64	22.48	31.93	22.77	56.00	46.00	-24.07	-23.23
6	15.05078	0.62	22.28	17.78	22.90	18.40	60.00	50.00	-37.10	-31.60

Remarks:

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

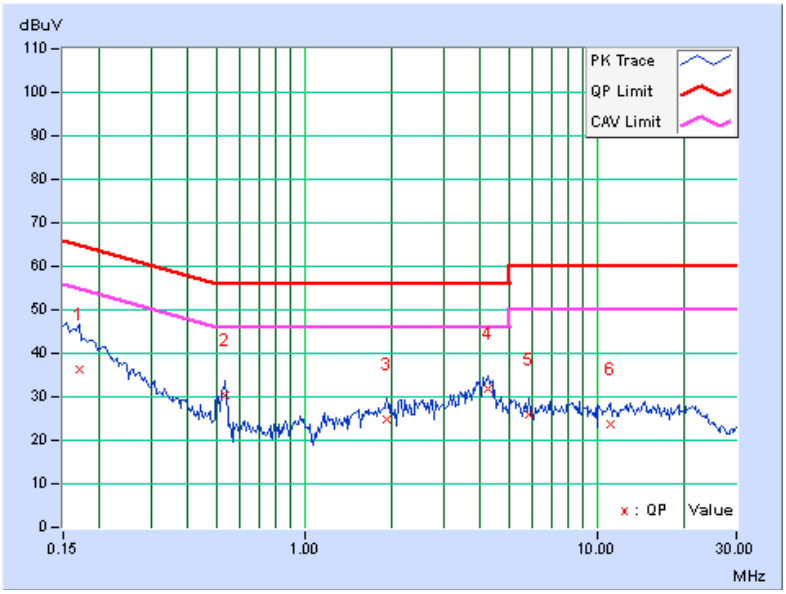


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.09	36.33	22.03	36.42	22.12	64.98	54.98	-28.56	-32.86
2	0.53672	0.15	30.31	29.21	30.46	29.36	56.00	46.00	-25.54	-16.64
3	1.92578	0.22	24.71	20.44	24.93	20.66	56.00	46.00	-31.07	-25.34
4	4.26172	0.29	31.50	22.21	31.79	22.50	56.00	46.00	-24.21	-23.50
5	5.84375	0.34	25.43	18.24	25.77	18.58	60.00	50.00	-34.23	-31.42
6	11.09375	0.50	23.24	17.75	23.74	18.25	60.00	50.00	-36.26	-31.75

Remarks:

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



4.3 Transmit Power Measurment

4.3.1 Limits of Transmit Power Measurement

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

*B is the 26 dB emission bandwidth in megahertz

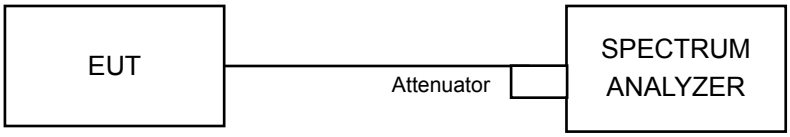
Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 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 $N_{ANT} \geq 5$.

4.3.2 Test Setup

FOR POWER OUTPUT MEASUREMENT

FOR 26dB OCCUPIED BANDWIDTH



4.3.3 Test Instruments

FOR POWER OUTPUT MEASUREMENT

FOR UNII-2A & UNII-2C

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Power meter Anritsu	ML2495A	1014008	Apr. 30, 2014	Apr. 29, 2015
Power sensor Anritsu	MA2411B	0917122	Apr. 30, 2014	Apr. 29, 2015

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. Tested date : Aug. 14, 2014

FOR U-NII-1 & U-NII-3

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Power Meter Anritsu	ML2495A	1014008	Apr. 28, 2015	Apr. 27, 2016
Power Sensor Anritsu	MA2411B	0917122	Apr. 28, 2015	Apr. 27, 2016

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. Tested date : Dec. 09, 2015

FOR 26dB OCCUPIED BANDWIDTH

FOR UNII-2A & UNII-2C

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV 40	100964	July 05, 2014	July 04, 2015

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. Tested date : Aug. 14, 2014

FOR U-NII-1 & U-NII-3

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 08, 2015	May 07, 2016

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. Tested date : Dec. 09, 2015

4.3.4 Test Procedure

FOR AVERAGE POWER MEASUREMENT

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

FOR 26dB OCCUPIED BANDWIDTH

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

4.3.5 Deviation from Test Standard

No deviation.

4.3.6 EUT Operating Condition

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

4.3.7 Test Result

802.11a

POWER OUTPUT

CHAN.	FREQ. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	14.64	14.53	57.486	17.60	24	Pass
40	5200	14.59	14.62	57.747	17.62	24	Pass
48	5240	14.46	14.51	56.174	17.50	24	Pass
52	5260	16.22	17.02	92.229	19.65	24	Pass
60	5300	16.01	16.82	87.986	19.44	24	Pass
64	5320	13.26	14.01	46.361	16.66	23.99	Pass
100	5500	13.27	14.16	47.294	16.75	24	Pass
116	5580	16.01	16.13	80.922	19.08	24	Pass
132	5660	15.63	15.64	73.203	18.65	24	Pass
140	5700	11.68	11.97	30.463	14.84	24	Pass
149	5745	14.15	14.83	56.411	17.51	30	Pass
157	5785	14.71	15.47	64.817	18.12	30	Pass
165	5825	14.86	15.27	64.271	18.08	30	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	24.10	22.67
40	5200	21.29	22.08
48	5240	19.97	23.48
52	5260	45.79	40.71
60	5300	43.45	39.90
64	5320	20.06	19.94
100	5500	27.01	20.10
116	5580	40.66	45.87
132	5660	42.45	40.23
140	5700	22.59	20.87

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

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	40.71	27.09 > 24
60	5300	39.90	27 > 24
64	5320	19.94	23.99 < 24
100	5500	20.10	24.03 > 24
116	5580	40.66	27.09 > 24
132	5660	40.23	27.04 > 24
140	5700	20.87	24.19 > 24

802.11ac (VHT20)

POWER OUTPUT

CHAN.	FREQ. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	13.65	14.05	48.584	16.86	24	Pass
40	5200	14.62	14.75	58.827	17.70	24	Pass
48	5240	14.55	14.71	58.09	17.64	24	Pass
52	5260	16.42	17.21	96.455	19.84	24	Pass
60	5300	15.81	16.52	82.982	19.19	24	Pass
64	5320	13.39	14.09	47.472	16.76	24	Pass
100	5500	12.47	13.29	38.99	15.91	24	Pass
116	5580	16.03	16.03	80.174	19.04	24	Pass
132	5660	16.10	16.02	80.732	19.07	24	Pass
140	5700	10.53	11.36	24.975	13.98	24	Pass
149	5745	13.58	14.19	49.045	16.91	30	Pass
157	5785	14.87	15.67	67.588	18.30	30	Pass
165	5825	14.97	15.51	66.968	18.26	30	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	20.54	31.73
40	5200	27.19	30.99
48	5240	25.21	26.45
52	5260	47.82	39.50
60	5300	44.85	44.08
64	5320	24.99	20.73
100	5500	21.41	20.32
116	5580	46.62	50.72
132	5660	44.64	41.43
140	5700	21.75	20.33

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

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	39.50	26.96 > 24
60	5300	44.08	27.44 > 24
64	5320	20.73	24.16 > 24
100	5500	20.32	24.07 > 24
116	5580	46.62	27.68 > 24
132	5660	41.43	27.17 > 24
140	5700	20.33	24.08 > 24

802.11ac (VHT40)

POWER OUTPUT

CHAN.	FREQ. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	8.41	8.71	14.364	11.57	24	Pass
46	5230	13.97	14.14	50.888	17.07	24	Pass
54	5270	15.23	15.83	71.625	18.55	24	Pass
62	5310	10.65	11.48	25.674	14.09	24	Pass
102	5510	9.72	9.87	19.081	12.81	24	Pass
110	5550	14.78	15.71	67.3	18.28	24	Pass
134	5670	12.85	13.21	40.216	16.04	24	Pass
151	5755	9.95	10.75	21.771	13.38	30	Pass
159	5795	14.08	14.98	57.063	17.56	30	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	41.42	41.71
46	5230	48.87	93.67
54	5270	85.76	76.63
62	5310	47.40	46.99
102	5510	42.24	41.64
110	5550	85.52	83.73
134	5670	56.64	52.65

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

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	76.63	29.84 > 24
62	5310	46.99	27.72 > 24
102	5510	41.64	27.19 > 24
110	5550	83.73	30.22 > 24
134	5670	52.65	28.21 > 24

802.11ac (VHT80)

POWER OUTPUT

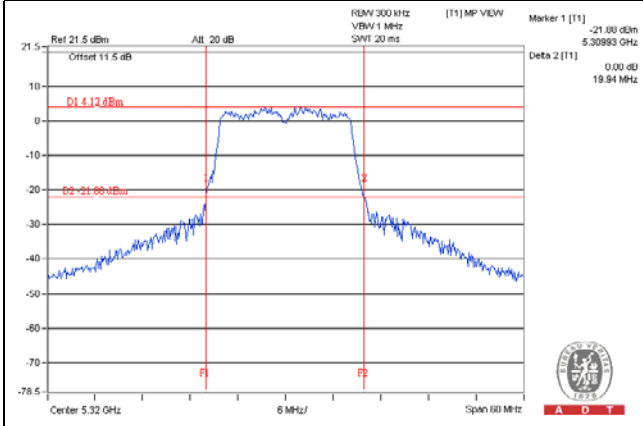
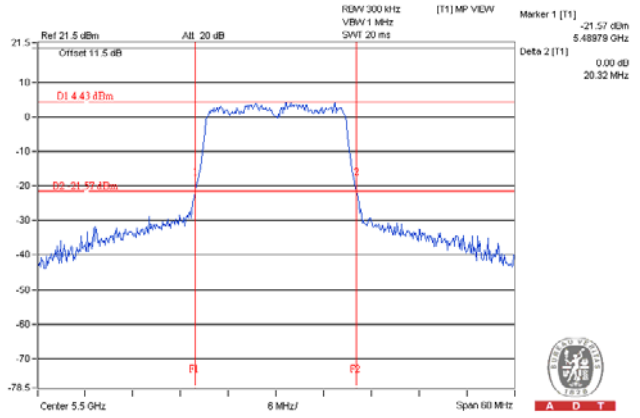
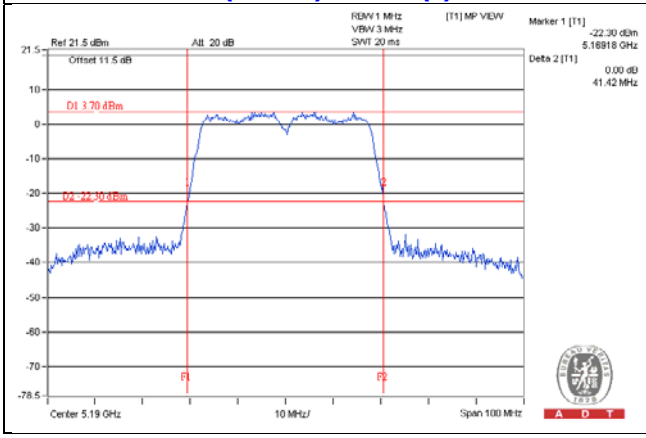
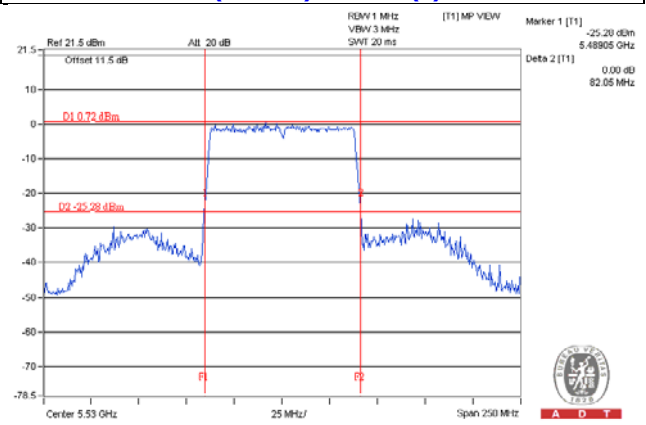
CHAN.	FREQ. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	8.41	9.01	14.896	11.73	24	Pass
58	5290	8.84	8.93	15.472	11.90	24	Pass
106	5530	8.88	8.90	15.489	11.90	24	Pass
155	5775	8.51	8.75	14.595	11.64	30	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	82.18	82.70
58	5290	112.72	94.41
106	5530	113.28	82.05

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

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	94.41	30.75 > 24
106	5530	82.05	30.14 > 24

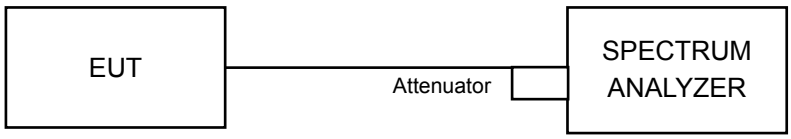
Spectrum Plot of Worst Value	
802.11a / Chain(1) : CH64	**802.11ac (VHT20) / Chain(1) : CH100**
	
802.11ac (VHT40) / Chain(0) : CH38	**802.11ac (VHT80) / Chain(1) : CH106**
	

4.4 Peak Power Spectral Density Measurement

4.4.1 Limits of Peak Power Spectral Density Measurement

Operation Band	EUT Category		LIMIT
U-NII-1		Outdoor Access Point	17dBm/ MHz
		Fixed point-to-point Access Point	
		Indoor Access Point	
	√	Mobile and Portable client device	11dBm/ MHz
U-NII-2A	√		11dBm/ MHz
U-NII-2C	√		11dBm/ MHz
U-NII-3	√		30dBm/ 500kHz

4.4.2 Test Setup



4.4.3 Test Instruments

FOR UNII-2A & UNII-2C

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV 40	100964	July 05, 2014	July 04, 2015

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. Tested date : Aug. 14, 2014

FOR U-NII-1 & U-NII-3

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 08, 2015	May 07, 2016

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. Tested date : Dec. 09, 2015

4.4.4 Test Procedure

For U-NII-1, U-NII-2A & U-NII-2C

Using method SA-1

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
c. Sweep time = auto, trigger set to “free run”.
d. Trace average at least 100 traces in power averaging mode.
e. Record the max value

For U-NII-3:

a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
b. Set RBW = 300 kHz, Set VBW ≥ 1 MHz, Detector = RMS
c. Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
d. Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where BWCF = 10log(500 kHz/300kHz)
e. Sweep time = auto, trigger set to “free run”.
f. Trace average at least 100 traces in power averaging mode.
g. Record the max value

4.4.5 Deviation from Test Standard

No deviation.

4.4.6 EUT Operating Condition

Same as Item 4.3.6.

4.4.7 Test Results

For U-NII-1, U-NII-2A & U-NII-2C:

802.11a

Chan.	Chan.	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	-0.87	-0.62	2.27	9.18	Pass
40	5200	-1.54	0.08	2.36	9.18	Pass
48	5240	0.51	0.72	3.63	9.18	Pass
52	5260	-1.63	-0.76	1.84	9.18	Pass
60	5300	-1.03	-0.79	2.10	9.18	Pass
64	5320	-2.43	-3.44	0.10	9.18	Pass
100	5500	-2.78	-1.83	0.73	9.18	Pass
116	5580	0.32	-0.36	3.00	9.18	Pass
132	5660	-2.19	-1.68	1.08	9.18	Pass
140	5700	-4.14	-4.13	-1.12	9.18	Pass

NOTE: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. Directional gain = 4.81dBi + 10log(2) = 7.82dBi > 6dBi , so the power density limit shall be reduced to 11-(7.82-6) = 9.18dBm.

802.11ac (VHT20)

Chan.	Chan.	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	0.07	-3.69	1.60	11	Pass
40	5200	-0.67	0.96	3.23	11	Pass
48	5240	-0.83	-0.09	2.57	11	Pass
52	5260	-0.89	-0.64	2.25	11	Pass
60	5300	-0.96	-1.43	1.82	11	Pass
64	5320	-3.31	-2.78	-0.03	11	Pass
100	5500	-3.21	-2.81	0.00	11	Pass
116	5580	-0.41	0.41	3.03	11	Pass
132	5660	-2.51	-1.40	1.09	11	Pass
140	5700	-6.22	-5.20	-2.67	11	Pass

NOTE: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

802.11ac (VHT40)

Chan.	Chan.	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	-9.65	-9.81	-6.72	11	Pass
46	5230	-3.75	-4.84	-1.25	11	Pass
54	5270	-5.39	-5.07	-2.22	11	Pass
62	5310	-8.32	-7.90	-5.09	11	Pass
102	5510	-9.25	-9.33	-6.28	11	Pass
110	5550	-4.55	-4.07	-1.29	11	Pass
134	5670	-6.97	-8.47	-4.65	11	Pass

NOTE: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

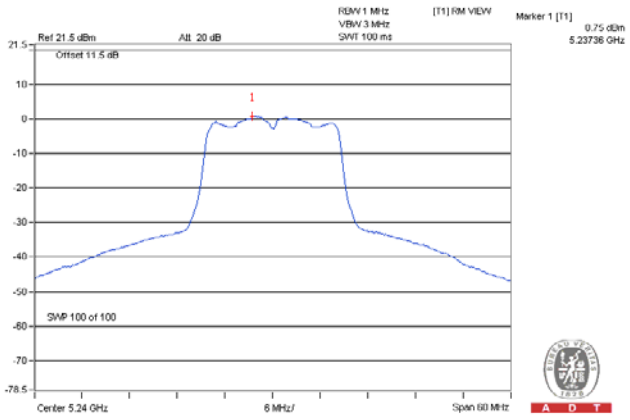
802.11ac (VHT80)

Chan.	Chan.	PSD (dBm/MHz)		Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-13.00	-14.94	-10.85	11	Pass
58	5290	-14.69	-12.94	-10.72	11	Pass
106	5530	-12.18	-13.45	-9.76	11	Pass

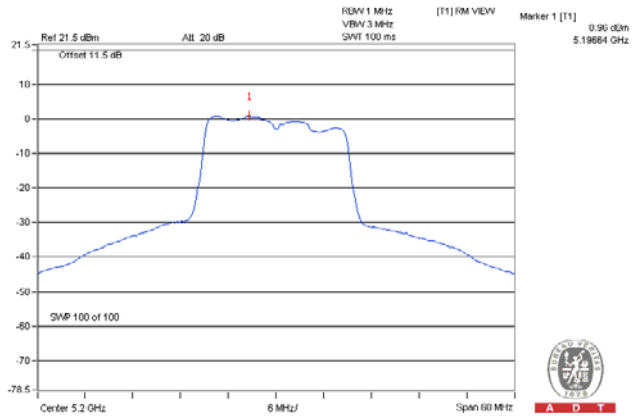
NOTE: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

Spectrum Plot of Worst Value

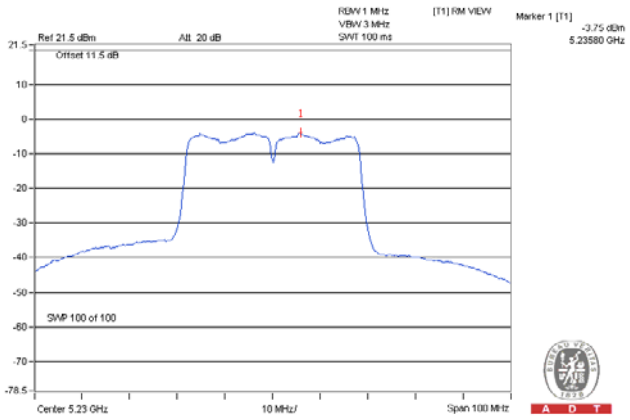
802.11a / Chain(1) : CH48



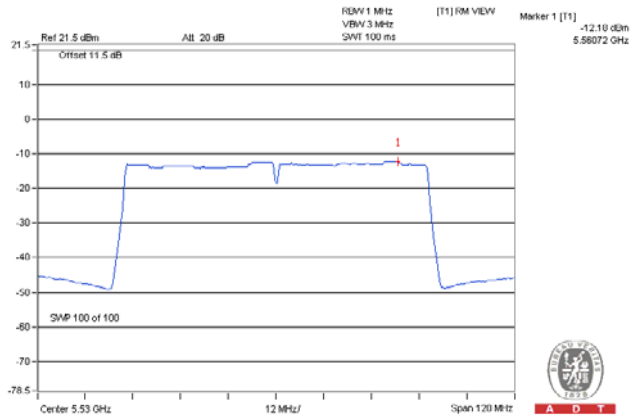
802.11ac (VHT20) / Chain(1) : CH40



802.11ac (VHT40) / Chain(0) : CH46



802.11ac (VHT80) / Chain(0) : CH106



For U-NII-3:

802.11a

TX chain	Channel	Freq. (MHz)	PSD		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	-8.65	-6.43	3.01	-3.42	28.18	Pass
	157	5785	-8.47	-6.25	3.01	-3.24	28.18	Pass
	165	5825	-8.05	-5.83	3.01	-2.82	28.18	Pass
1	149	5745	-6.63	-4.41	3.01	-1.40	28.18	Pass
	157	5785	-7.92	-5.70	3.01	-2.69	28.18	Pass
	165	5825	-7.96	-5.74	3.01	-2.73	28.18	Pass

NOTE: 1. Directional gain = 4.81dBi + 10log(2) = 7.82dBi > 6dBi , so the power density limit shall be reduced to 30-(7.82-6) = 28.18dBm.

802.11ac (VHT20)

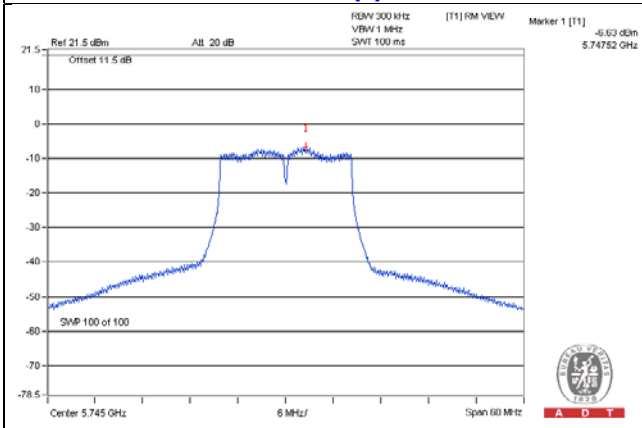
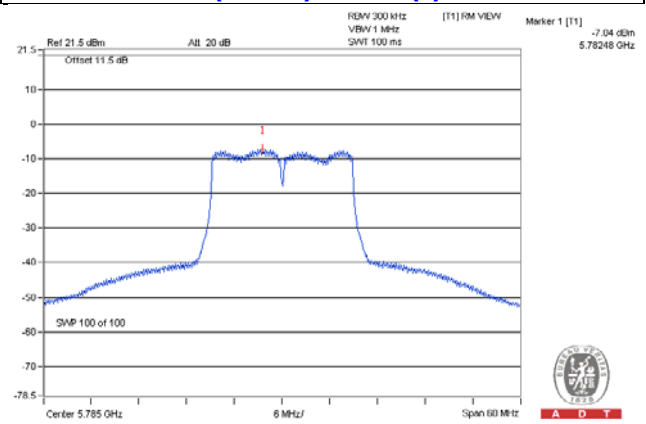
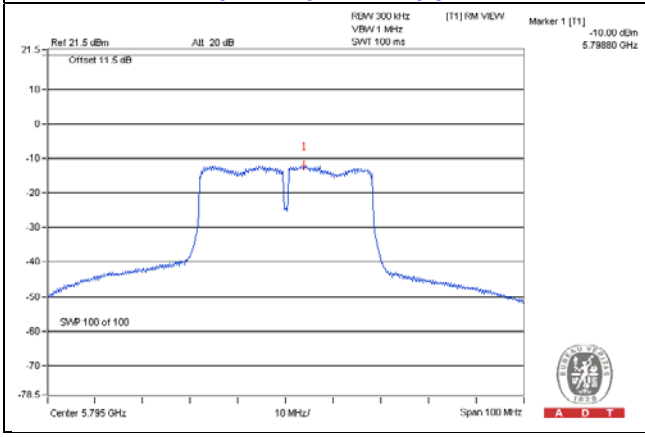
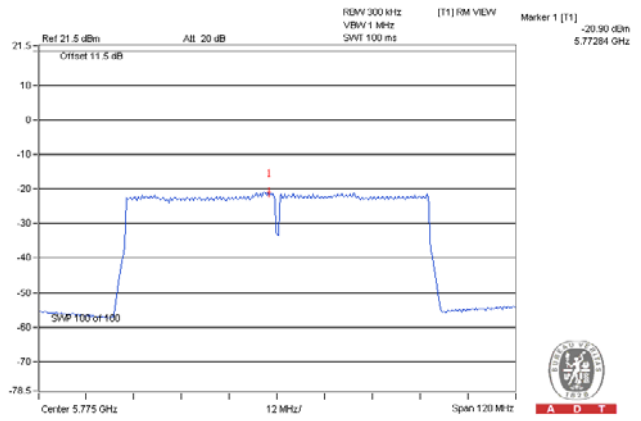
TX chain	Channel	Freq. (MHz)	PSD		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	-9.26	-7.04	3.01	-4.03	30	Pass
	157	5785	-8.48	-6.26	3.01	-3.25	30	Pass
	165	5825	-8.08	-5.86	3.01	-2.85	30	Pass
1	149	5745	-8.44	-6.22	3.01	-3.21	30	Pass
	157	5785	-7.04	-4.82	3.01	-1.81	30	Pass
	165	5825	-8.14	-5.92	3.01	-2.91	30	Pass

802.11ac (VHT40)

TX chain	Channel	Freq. (MHz)	PSD		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	151	5755	-14.63	-12.41	3.01	-9.40	30	Pass
	159	5795	-10.00	-7.78	3.01	-4.77	30	Pass
1	151	5755	-13.45	-11.23	3.01	-8.22	30	Pass
	159	5795	-10.94	-8.72	3.01	-5.71	30	Pass

802.11ac (VHT80)

TX chain	Channel	Freq. (MHz)	PSD		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	155	5775	-22.10	-19.88	3.01	-16.87	30	Pass
1	155	5775	-20.90	-18.68	3.01	-15.67	30	Pass

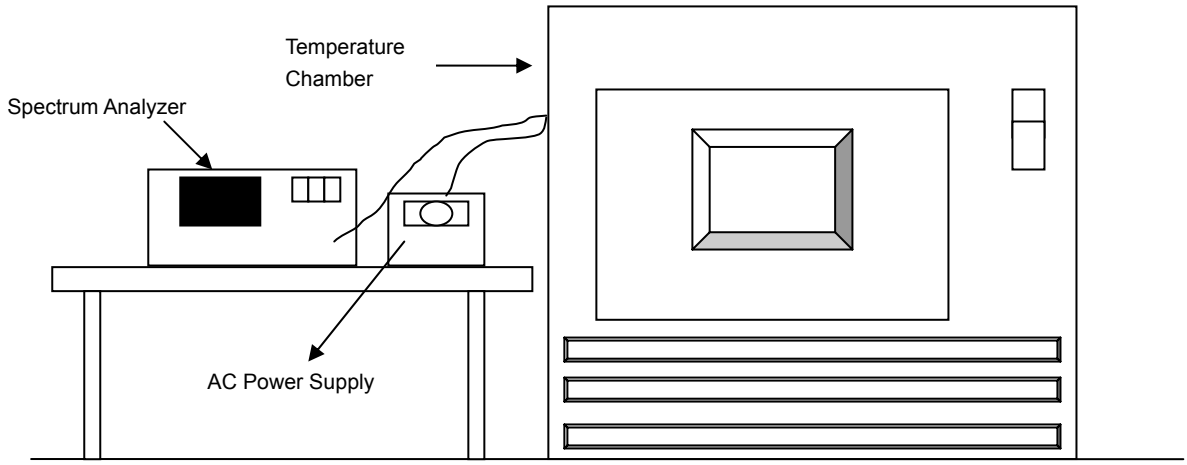
Spectrum Plot of Worst Value	
802.11a / Chain(1) : CH149	**802.11ac (VHT20) / Chain(1) : CH157**
	
802.11ac (VHT40) / Chain(0) : CH159	**802.11ac (VHT80) / Chain(1) : CH155**
	

4.5 Frequency Stability Measurement

4.5.1 Limits of Frequency Stability Measurement

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

4.5.2 Test Setup



4.5.3 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.5.4 Test Procedure

a. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
b. Turn the EUT on and couple its output to a spectrum analyzer.
c. Turn the EUT off and set the chamber to the highest temperature specified.
d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.
.

4.5.5 Deviation from Test Standard

No deviation.

4.5.6 EUT Operating Condition

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

4.5.7 Test Results

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5180MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
50	120	5180.0119	0.00023	5180.0155	0.00030	5180.0131	0.00025	5180.0138	0.00027
40	120	5180.0164	0.00032	5180.0192	0.00037	5180.0153	0.00030	5180.0186	0.00036
30	120	5179.9749	-0.00048	5179.9757	-0.00047	5179.9764	-0.00046	5179.9764	-0.00046
20	120	5179.9808	-0.00037	5179.9796	-0.00039	5179.9807	-0.00037	5179.9768	-0.00045
10	120	5179.9945	-0.00011	5179.9951	-0.00009	5179.9946	-0.00010	5179.9911	-0.00017
0	120	5180.0165	0.00032	5180.0189	0.00036	5180.0183	0.00035	5180.0158	0.00031
-10	120	5179.9859	-0.00027	5179.9836	-0.00032	5179.9854	-0.00028	5179.9862	-0.00027
-20	120	5180.0245	0.00047	5180.0234	0.00045	5180.0224	0.00043	5180.0249	0.00048
-30	120	5179.9903	-0.00019	5179.9921	-0.00015	5179.9878	-0.00024	5179.9911	-0.00017

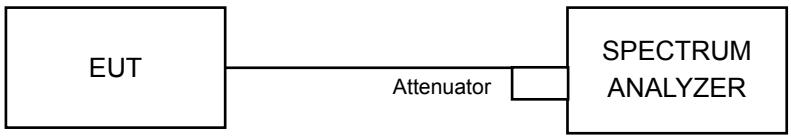
FREQUEMCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5180MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)	Measured Frequency (MHz)	Frequency Drift (%)
20	138	5179.9806	-0.00037	5179.9789	-0.00041	5179.9815	-0.00036	5179.9763	-0.00046
	120	5179.9808	-0.00037	5179.9796	-0.00039	5179.9807	-0.00037	5179.9768	-0.00045
	102	5179.9803	-0.00038	5179.9798	-0.00039	5179.9808	-0.00037	5179.9776	-0.00043

4.6 6dB Bandwidth Measurement

4.6.1 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is 0.5MHz.

4.6.2 Test Setup



4.6.3 Test Instruments

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 08, 2015	May 07, 2016

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. Tested date : Dec. 09, 2015

4.6.4 Test Procedure

MEASUREMENT PROCEDURE REF

a. Set resolution bandwidth (RBW) = 100kHz
b. Set the video bandwidth (VBW) ≥ 3 x RBW, Detector = Peak.
c. Trace mode = max hold.
d. Sweep = auto couple.
e. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission

4.6.5 Deviation from Test Standard

No deviation.

4.6.6 EUT Operating Condition

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

4.6.7 Test Results

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	16.57	16.63	0.5	Pass
157	5785	16.57	16.61	0.5	Pass
165	5825	16.43	16.61	0.5	Pass

802.11ac (VHT20)

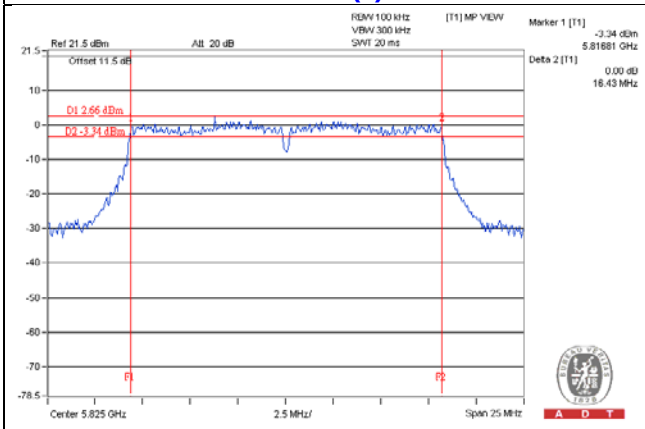
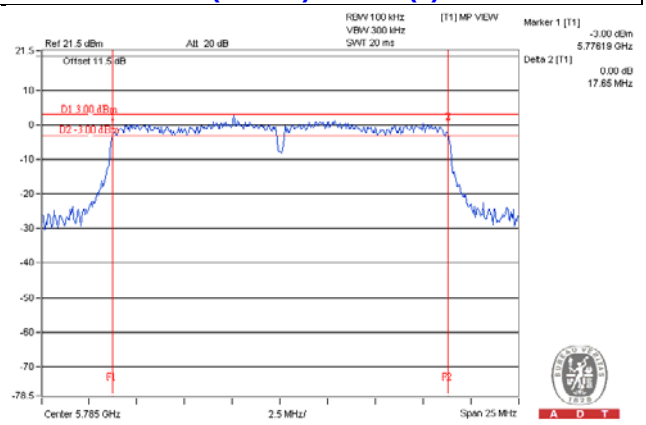
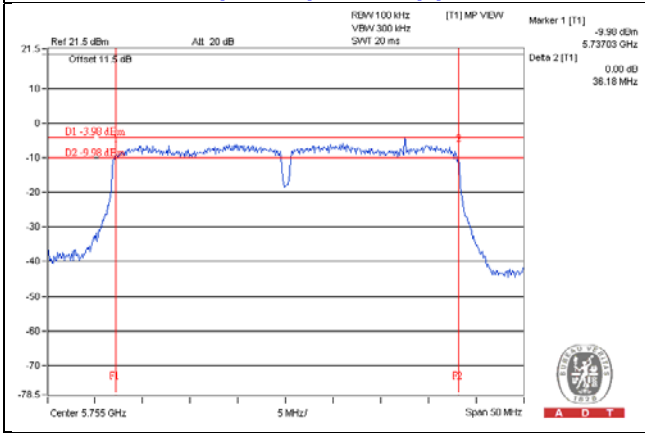
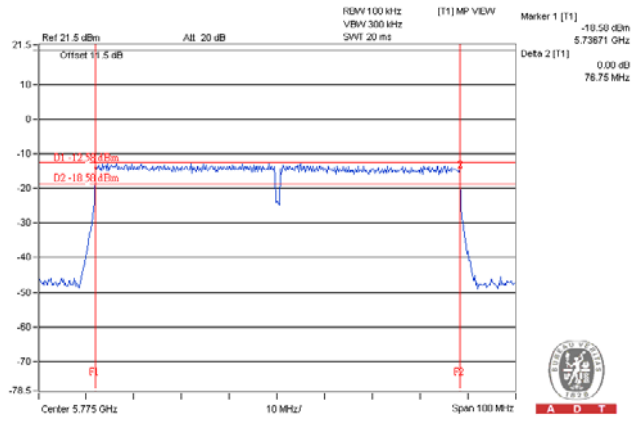
Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	17.72	17.75	0.5	Pass
157	5785	17.72	17.65	0.5	Pass
165	5825	17.73	17.75	0.5	Pass

802.11ac (VHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
151	5755	36.51	36.18	0.5	Pass
159	5795	36.47	36.45	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
155	5775	76.75	76.75	0.5	Pass

Spectrum Plot of Worst Value	
802.11a / Chain(0) : CH165	**802.11ac (VHT20) / Chain(1) : CH157**
	
802.11ac (VHT40) / Chain(1) : CH151	**802.11ac (VHT80) / Chain(0) : CH155**
	

5 Pictures of Test Arrangements

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

Appendix – Information on the Testing Laboratories

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

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

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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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