FCC TEST REPORT
(WLAN 15.407)

REPORT NO.:	RF140324E06-1
MODEL NO.:	IPC2100
FCC ID:	2ABTEIPC2100
RECEIVED:	Mar. 24, 2014
TESTED:	April 23 to June 19, 2014
ISSUED:	July 18, 2014
APPLICANT:	Verizon Online LLC
ADDRESS:	1300 I Street NW, Room 400W, Washington, District of Columbia, 20005 United State
ISSUED BY:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
LAB ADDRESS :	No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan, R.O.C.
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TEST LOCATION (2):	No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan, R.O.C.

This report should not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

Table of Contents

RELEASE CONTROL RECORD 5
1. CERTIFICATION 6
2. SUMMARY OF TEST RESULTS 7
2.1 MEASUREMENT UNCERTAINTY 8
3. GENERAL INFORMATION 9
3.1 GENERAL DESCRIPTION OF EUT 9
3.2 DESCRIPTION OF TEST MODES 13
3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL 15
3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS 18
3.4 DUTY CYCLE OF TEST SIGNAL 19
3.5 DESCRIPTION OF SUPPORT UNITS 23
3.6 CONFIGURATION OF SYSTEM UNDER TEST 24
4. TEST TYPES AND RESULTS 25
4.1 CONDUCTED EMISSION MEASUREMENT 25
4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT 25
4.1.2 TEST INSTRUMENTS 25
4.1.3 TEST PROCEDURES 26
4.1.4 DEVIATION FROM TEST STANDARD 26
4.1.5 TEST SETUP 26
4.1.6 EUT OPERATING CONDITIONS 27
4.1.7 TEST RESULTS (MODE 10, WITH ADAPTER 1) 28
4.1.8 TEST RESULTS (MODE 10, WITH ADAPTER 2) 30
4.2 RADIATED EMISSION AND BANDEDGE MEASUREMENT 32
4.2.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT 32
4.2.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS 32
4.2.3 TEST INSTRUMENTS 33
4.2.4 TEST PROCEDURES 35
4.2.5 DEVIATION FROM TEST STANDARD 35
4.2.6 TEST SETUP 36
4.2.7 EUT OPERATING CONDITION 36
4.2.8 TEST RESULTS (MODE 1) 37
4.2.9 TEST RESULTS (MODE 4) 48
4.2.10 TEST RESULTS (MODE 5) 71
4.2.11 TEST RESULTS (MODE 10) 94
4.2.12 TEST RESULTS (MODE 11) 118
4.3 TRANSMIT POWER MEASUREMENT 141
4.3.1 LIMITS OF TRANSMIT POWER MEASUREMENT 141
4.3.2 TEST INSTRUMENTS 142

4.3.3 TEST PROCEDURE 143
4.3.4 DEVIATION FROM TEST STANDARD 143
4.3.5 TEST SETUP 144
4.3.6 EUT OPERATING CONDITIONS 145
4.3.7 TEST RESULTS (MODE 1) 146
4.3.8 TEST RESULTS (MODE 2) 148
4.3.9 TEST RESULTS (MODE 3) 154
4.3.10 TEST RESULTS (MODE 4) 160
4.3.11 TEST RESULTS (MODE 5) 166
4.3.12 TEST RESULTS (MODE 6) 172
4.3.13 TEST RESULTS (MODE 7) 178
4.3.14 TEST RESULTS (MODE 8) 184
4.3.15 TEST RESULTS (MODE 9) 190
4.3.16 TEST RESULTS (MODE 10) 195
4.3.17 TEST RESULTS (MODE 11) 200
4.3.18 TEST RESULTS (MODE 12) 205
4.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT 210
4.4.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT 210
4.4.2 TEST INSTRUMENTS 210
4.4.3 TEST PROCEDURES 210
4.4.4 DEVIATION FROM TEST STANDARD 211
4.4.5 TEST SETUP 211
4.4.6 EUT OPERATING CONDITIONS 211
4.4.7 TEST RESULTS(MODE 1) 212
4.4.8 TEST RESULTS(MODE 2) 213
4.4.9 TEST RESULTS(MODE 3) 217
4.4.10 TEST RESULTS(MODE 4) 220
4.4.11 TEST RESULTS(MODE 5) 224
4.4.12 TEST RESULTS(MODE 6) 227
4.4.13 TEST RESULTS(MODE 7) 230
4.4.14 TEST RESULTS(MODE 8) 234
4.4.15 TEST RESULTS(MODE 9) 238
4.4.16 TEST RESULTS(MODE 10) 242
4.4.17 TEST RESULTS(MODE 11) 246
4.4.18 TEST RESULTS(MODE 12) 250
4.5 PEAK POWER EXCURSION MEASUREMENT 254
4.5.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT 254
4.5.2 TEST INSTRUMENTS 254
4.5.3 TEST PROCEDURE 254
4.5.4 DEVIATION FROM TEST STANDARD 254
4.5.5 TEST SETUP 254
4.5.6 EUT OPERATING CONDITIONS 254

4.5.7 TEST RESULTS(MODE 1) 255
4.5.8 TEST RESULTS(MODE 2~12) 256
4.6 FREQUENCY STABILITY 258
4.6.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT 258
4.6.2 TEST INSTRUMENTS 258
4.6.3 TEST PROCEDURE 258
4.6.4 DEVIATION FROM TEST STANDARD 259
4.6.5 TEST SETUP 259
4.6.6 EUT OPERATING CONDITION 259
4.6.7 TEST RESULTS 260
5. PHOTOGRAPHS OF THE TEST CONFIGURATION 261
6. INFORMATION ON THE TESTING LABORATORIES 262
7. APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB 263

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF140324E06-1	Original release	July 18, 2014

1. CERTIFICATION

PRODUCT:	FiOS™ IPC2100 IP Client
BRAND NAME:	Verizon
MODEL NO.:	IPC2100
TEST SAMPLE:	ENGINEERING SAMPLE
APPLICANT:	Verizon Online LLC
TESTED:	April 23 to June 19, 2014
STANDARDS:	FCC Part 15, Subpart E (Section 15.407) ANSI C63.10-2009

The above equipment (Model: IPC2100) 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:** *July 18, 2014*

(Midoli Peng, Specialist)

APPROVED BY : _____ , **DATE:** *July 18, 2014*

(May Chen, Manager)

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART E (SECTION 15.407)			
STANDARD SECTION	**TEST TYPE**	**RESULT**	**REMARK**
15.407(b)(6)	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -7.64dB at 2.35938MHz
15.407(b/1/2/3) (b)(6)	Spurious Emissions	PASS	Meet the requirement of limit. Minimum passing margin is -0.1dB at 5725.00MHz & 5466.31MHz & 5742.19MHz. & 5877.89MHz.
15.407(a/1/2)	Transmit Power	PASS	Meet the requirement of limit.
15.407(a)(6)	Peak Power Excursion	PASS	Meet the requirement of limit.
15.407(a/1/2)	Peak Power Spectral Density	PASS	Meet the requirement of limit.
15.407(g)	Frequency Stability	PASS	Meet the requirement of limit.
15.203	Antenna Requirement	PASS	Antenna connector is i-pex not a standard connector.

NOTE: 1. The EUT was operating in 5.15~5.35GHz, 5.47~5.6GHz & 5.65~5.725GHz and 5.725~5.850GHz frequencies band. This report was recorded the RF parameters including 5.15~5.35GHz, 5.47~5.6GHz & 5.65~5.725GHz. For the 5.725~5.850GHz RF parameters was recorded in another test report.

2. The DFS report 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:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Value
Conducted emissions	2.86 dB
Radiated emissions (30MHz-1GHz)	5.43 dB
Radiated emissions (1GHz -6GHz) – Chamber H	3.72 dB
Radiated emissions (6GHz -18GHz) – Chamber H	4.00 dB
Radiated emissions (18GHz -40GHz) – Chamber H	4.11 dB
Radiated emissions (1GHz -6GHz) – Chamber G	3.65 dB
Radiated emissions (6GHz -18GHz) – Chamber G	3.88 dB
Radiated emissions (18GHz -40GHz) – Chamber G	4.11 dB

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	FiOS™ IPC2100 IP Client
MODEL NO.	IPC2100
POWER SUPPLY	DC 12V from power adapter
MODULATION TYPE	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode only.
MODULATION TECHNOLOGY	OFDM
TRANSFER RATE	802.11a: up to 54Mbps 802.11n: up to 405Mbps 802.11ac: up to 1170Mbps
OPERATING FREQUENCY	**For 15.407** 5.18 ~ 5.24GHz, 5.26 ~ 5.32GHz, 5.50 ~ 5.58GHz & 5.66GHz ~ 5.72GHz
	For 15.247 5.745 ~ 5.825GHz
NUMBER OF CHANNEL	**For 15.407** 17 for 802.11a, 802.11n (HT20), 802.11ac (VHT20) 8 for 802.11n (HT40), 802.11ac (VHT40) 4 for 802.11ac (VHT80)
	For 15.247 5 for 802.11a, 802.11n (HT20), 802.11ac (VHT20) 2 for 802.11n (HT40), 802.11ac (VHT40) 1 for 802.11ac (VHT80)
MAXIMUM OUTPUT POWER	Please see NOTE
ANTENNA TYPE	Please see NOTE
DATA CABLE	NA
I/O PORTS	Refer to user's manual
ASSOCIATED DEVICES	Adapter x1

NOTE:

1. The maximum output power(mW) table as below table:

15.247 (5GHz)				
Test Mode	**802.11a**	**802.11ac (VHT20)**	**802.11ac (VHT40)**	**802.11ac (VHT80)**
1TX	292.415	NA	NA	NA
2TX / Beamforming Mode MCS0NSS1	NA	362.438	321.141	160.526
2TX mode Beamforming Mode MCS0NSS2	NA	362.438	321.141	160.526
2TX / CDD Mode	NA	362.438	321.141	160.526
2TX / STBC Mode	NA	362.438	321.141	160.526
2TX / SDM	NA	362.438	321.141	160.526
3TX / Beamforming Mode MCS0NSS1	NA	584.258	522.05	243.894
3TX mode Beamforming Mode MCS0NSS2	NA	584.258	522.05	512.631
3TX / Beamforming Mode MCS0NSS3	NA	584.258	522.05	512.631
3TX / CDD Mode	NA	584.258	522.05	243.894
3TX / STBC Mode	NA	584.258	522.05	512.631
3TX / SDM	NA	584.258	522.05	512.631
15.407 (5GHz)				
Test Mode	**802.11a**	**802.11ac (VHT20)**	**802.11ac (VHT40)**	**802.11ac (VHT80)**
1TX	214.289	NA	NA	NA
2TX / Beamforming Mode MCS0NSS1	NA	163.364	153.137	131.45
2TX mode Beamforming Mode MCS0NSS2	NA	163.364	173.303	156.239
2TX / CDD Mode	NA	163.364	173.303	156.239
2TX / STBC Mode	NA	216.399	192.345	156.239
2TX / SDM	NA	163.364	173.303	156.239
3TX / Beamforming Mode MCS0NSS1	NA	146.81	142.322	86.99
3TX mode Beamforming Mode MCS0NSS2	NA	218.359	218.608	86.99
3TX / Beamforming Mode MCS0NSS3	NA	218.359	248.898	152.951
3TX / CDD Mode	NA	146.81	248.898	152.951
3TX / STBC Mode	NA	218.359	237.924	142.967
3TX / SDM	NA	218.359	248.898	152.951

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

Transmitter Circuit	Gain (dBi) (Include cable loss)	Frequency range (MHz)	Antenna Type	Connecter Type
Chain (0) Right antenna	2.63	5150	PCB	i-pex
	2.81	5250		
	2.67	5350		
	1.88	5725		
	1.68	5825		
Chain (1) Front antenna	4.33	5150	PCB	i-pex
	4.22	5250		
	4.20	5350		
	3.40	5725		
	3.18	5825		
Chain (2) Left antenna	3.43	5150	PCB	i-pex
	3.41	5250		
	3.59	5350		
	4.76	5725		
	4.57	5825		
Note: For 1Tx mode will fix transmission on Chain (0).				

3. The EUT must be supplied with a power adapter and following two different model names could be chosen:

No.	Brand	Model No.	Spec.
1	LEI	MU18-X120150-A1	AC Input : 100-240V, 0.6A, 50/60Hz DC Output : 12V, 1.5A DC output cable(unshielded ,1.5m)
2	Ktec	KSASB0241200150VU	AC Input : 100-240V, 0.6A, 50-60Hz DC Output : 12V, 1.5A DC output cable(unshielded ,1.5m)
For radiated emissions test, the EUT was pre-tested with adapter 1 & 2, the worst case was found in adapter 1. Therefore only the test data of the adapter 1 was recorded in this report.			

4. The EUT incorporates a MIMO function.

MODULATION MODE	Data Rate (MCS)	TX/RX FUNCTION
802.11a	6 ~ 54Mbps	1TX / 3RX
802.11n (HT20)	MCS 0~7	2TX/3TX (CDD/STBC/Beamforming) / 3RX
	MCS 8~15	2TX/3TX (CDD/STBC/SDM/Beamforming) / 3RX
	MCS 16~23	3Tx (SDM/Beamforming) / 3RX
802.11n (HT40)	MCS 0~7	2TX/3TX (CDD/STBC/Beamforming) / 3RX
	MCS 8~15	2TX/3TX (CDD/STBC/SDM/Beamforming) / 3RX
	MCS 16~23	3Tx (SDM/Beamforming) / 3RX
802.11ac (VHT20)	MCS0~8 (256QAM) Nss=1	2TX/3TX (CDD/STBC/Beamforming) / 3RX
	MCS0~8 (256QAM) Nss=2	2TX/3TX (CDD/STBC/SDM/Beamforming) / 3RX
	MCS0~9 (256QAM) Nss=3	3Tx (SDM/Beamforming) / 3RX
802.11ac (VHT40)	MCS0~9 (256QAM) Nss=1	2TX/3TX (CDD/STBC/Beamforming) / 3RX
	MCS0~9 (256QAM) Nss=2	2TX/3TX (CDD/STBC/SDM/Beamforming) / 3RX
	MCS0~9 (256QAM) Nss=3	3Tx (SDM/Beamforming) / 3RX
802.11ac (VHT80)	MCS0~9 (256QAM) Nss=1	2TX/3TX (CDD/STBC/Beamforming) / 3RX
	MCS0~9 (256QAM) Nss=2	2TX/3TX (CDD/STBC/SDM/Beamforming) / 3RX
	MCS0~8 (256QAM) Nss=3	3Tx (SDM/Beamforming) / 3RX

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)

5. 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

Operated in 5150 ~ 5350MHz band:

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	52	5260 MHz
40	5200 MHz	56	5280 MHz
44	5220 MHz	60	5300 MHz
48	5240 MHz	64	5320 MHz

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

CHANNEL	FREQUENCY
38	5190 MHz
46	5230 MHz
54	5270 MHz
62	5310 MHz

2 channels are provided for 802.11ac (VHT80):

CHANNEL	FREQUENCY
42	5210 MHz
58	5290 MHz

Operated in 5470MHz ~ 5600MHz & 5650MHz ~ 5725MHz bands:

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

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
100	5500 MHz	132	5660 MHz
104	5520 MHz	136	5680 MHz
108	5540 MHz	140	5700 MHz
112	5560 MHz	144	5720 MHz
116	5580 MHz		

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

CHANNEL	FREQUENCY
102	5510 MHz
110	5550 MHz
134	5670 MHz
142	5710 MHz

2 channel is provided for 802.11ac (VHT80):

CHANNEL	FREQUENCY
106	5530 MHz
138	5690 MHz

3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	PLC	RE < 1G	RE ³ 1G	APCM	
1	-	-	√	√	1TX
2	-	-	-	√	2TX / Beamforming Mode MCS0NSS1
3	-	-	-	√	2TX mode Beamforming Mode MCS0NSS2
4	-	-	√	√	2TX / CDD
5	-	-	√	√	2TX / STBC
6	-	-	-	√	2TX / SDM
7	-	-	-	√	3TX / Beamforming Mode MCS0NSS1
8	-	-	-	√	3TX / Beamforming Mode MCS0NSS2
9	-	-	-	√	3TX / Beamforming Mode MCS0NSS3
10	√	√	√	√	3TX / CDD
11	-	-	√	√	3TX / STBC
12	-	-	-	√	3TX / SDM

Where **PLC:** Power Line Conducted Emission **RE < 1G:** Radiated Emission below 1GHz

RE ³ 1G: Radiated Emission above 1GHz **APCM:** Antenna Port Conducted Measurement

Note. : 1 "-"means no effect.

2. For radiated emissions above 1GHz test, the EUT's Beamforming, SDM and CDD mode had been pre-tested. The worst case was found when **CDD mode**. Therefore only the test data was recorded in this report.

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	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (MBPS)	EUT CONFIGURE MODE
802.11ac (VHT40)	38 to 142	134	OFDM	BPSK	13.5	10

RADIATED EMISSION TEST (BELOW 1 GHz):

☒ 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	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	EUT CONFIGURE MODE
802.11ac (VHT40)	38 to 142	134	OFDM	BPSK	13.5	10

RADIATED EMISSION TEST (ABOVE 1 GHz):

☒ 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	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	EUT CONFIGURE MODE
802.11a	36 to 144	36, 40, 48, 52, 60, 64, 100, 116, 132, 140, 144	OFDM	BPSK	6	1
802.11ac (VHT20)	36 to 144	36, 40, 48, 52, 60, 64, 100, 116, 132, 140, 144	OFDM	BPSK	6.5	4, 5, 10, 11
802.11ac (VHT40)	38 to 142	38, 46, 54, 62, 102, 110, 134, 142	OFDM	BPSK	13.5	4, 5, 10, 11
802.11ac (VHT80)	42 to 138	42, 58, 106, 138	OFDM	BPSK	29.3	4, 5, 10, 11

ANTENNA PORT CONDUCTED MEASUREMENT:

☒ 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	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	EUT CONFIGURE MODE
802.11a	36 to 144	36, 40, 48, 52, 60, 64, 100, 116, 132, 140, 144	OFDM	BPSK	6	1
802.11ac (VHT20)	36 to 144	36, 40, 48, 52, 60, 64, 100, 116, 132, 140, 144	OFDM	BPSK	6.5	2, 4, 5, 7, 10, 11
802.11ac (VHT40)	38 to 142	38, 46, 54, 62, 102, 110, 134, 142	OFDM	BPSK	13.5	2, 4, 5, 7, 10, 11
802.11ac (VHT80)	42 to 138	42, 58, 106, 138	OFDM	BPSK	29.3	2, 4, 5, 7, 10, 11
802.11ac (VHT20)	36 to 144	36, 40, 48, 52, 60, 64, 100, 116, 132, 140, 144	OFDM	BPSK	13	3, 6, 8
802.11ac (VHT40)	38 to 142	38, 46, 54, 62, 102, 110, 134, 142	OFDM	BPSK	27	3, 6, 8
802.11ac (VHT80)	42 to 138	42, 58, 106, 138	OFDM	BPSK	58.5	3, 6, 8
802.11ac (VHT20)	36 to 144	36, 40, 48, 52, 60, 64, 100, 116, 132, 140, 144	OFDM	BPSK	19.5	9, 12
802.11ac (VHT40)	38 to 142	38, 46, 54, 62, 102, 110, 134, 142	OFDM	BPSK	40.5	9, 12
802.11ac (VHT80)	42 to 138	42, 58, 106, 138	OFDM	BPSK	87.8	9, 12

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
PLC	26deg. C,70%RH	120Vac, 60Hz	Scott Chen
RE<1G	24deg. C, 70%RH	120Vac, 60Hz	Andy Ho
RE≥1G	22deg. C, 68%RH	120Vac, 60Hz	Nelson Teng
	22deg. C, 67%RH	120Vac, 60Hz	Nelson Teng
	22deg. C, 68%RH	120Vac, 60Hz	Nelson Teng
APCM	25deg. C, 60%RH	120Vac, 60Hz	Chilin Lee

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC Part 15, Subpart E (15.407)

789033 D01 General UNII Test Procedures Old Rules v01r04

662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2009

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.

3.4 DUTY CYCLE OF TEST SIGNAL

If duty cycle of test signal is ≥ 98 %, duty factor is not required.

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

802.11a

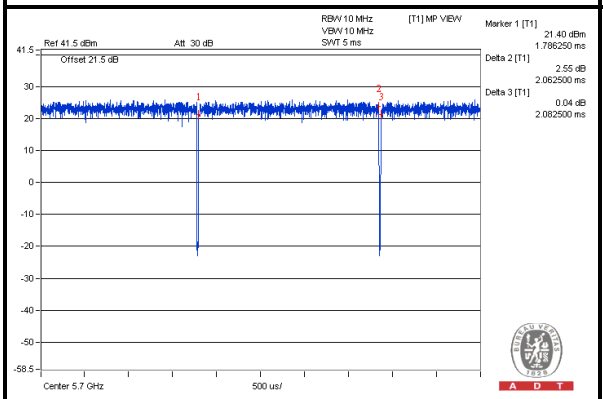
BPSK: Duty cycle = 2.0625 ms/2.0825 ms = 0.99

QPSK: Duty cycle = 1.0425 ms/1.06125 ms = 0.982

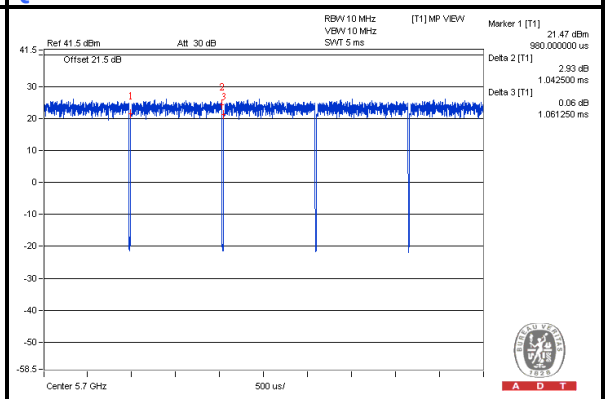
16QAM: Duty cycle = 0.5315 ms/0.5505 ms = 0.965, Duty factor = 10 * log(1/0.965) = 0.15

64QAM: Duty cycle = 0.2755 ms/0.2945 ms = 0.935, Duty factor = 10 * log(1/0.935) = 0.29

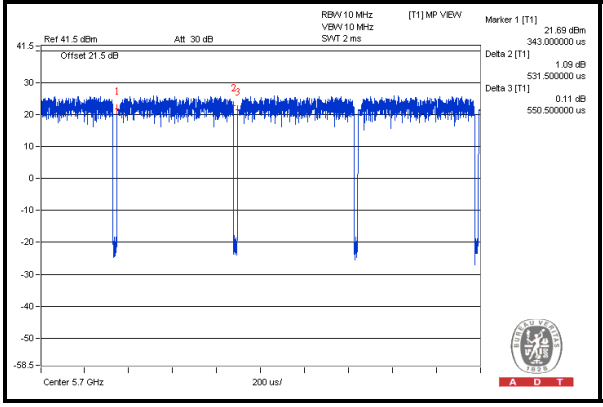
BPSK



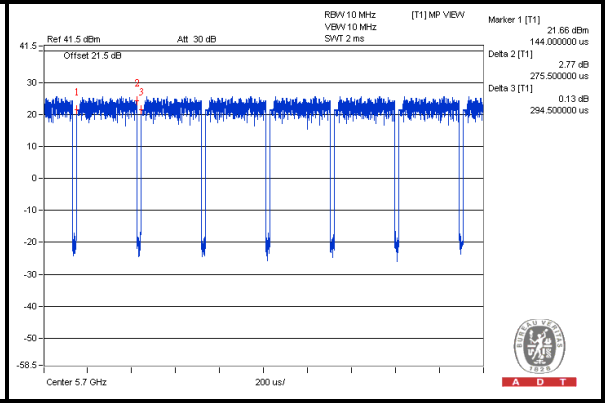
QPSK



16QAM



64QAM



If duty cycle of test signal is ≥ 98 %, duty factor is not required.

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

802.11ac(VHT20)

BPSK: Duty cycle = 1.92625 ms/1.94625 ms = 0.99

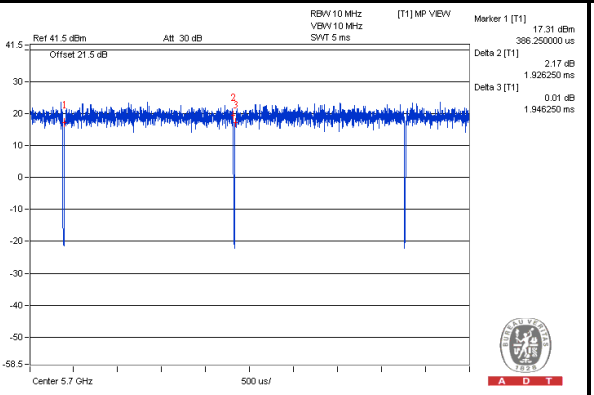
QPSK: Duty cycle = 0.98375 ms/1.00125 ms = 0.981

16QAM: Duty cycle = 0.51125 ms/0.53125 ms = 0.962, Duty factor = 10 * log(1/0.962) = 0.17

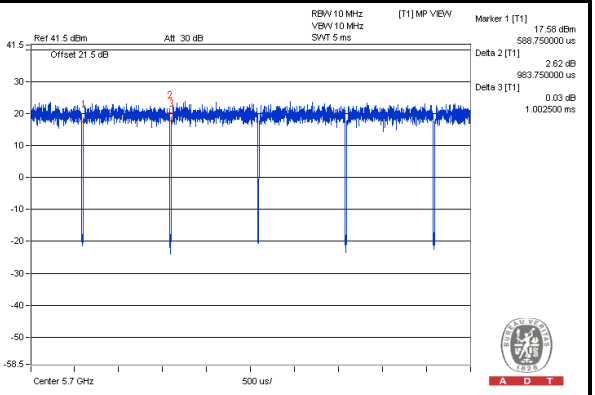
64QAM: Duty cycle = 0.2755 ms/0.2945 ms = 0.935, Duty factor = 10 * log(1/0.935) = 0.29

256QAM: Duty cycle = 0.199 ms/0.2195 ms = 0.907, Duty factor = 10 * log(1/0.907) = 0.43

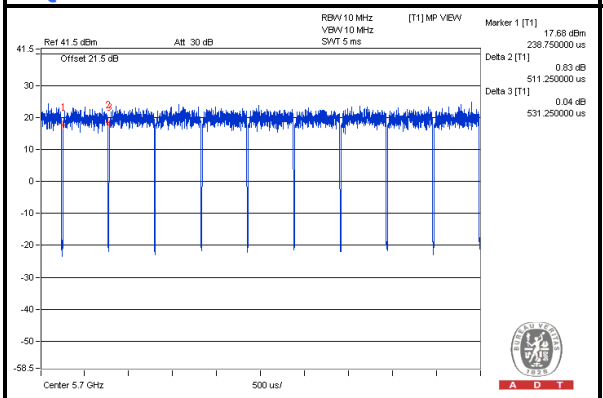
BPSK



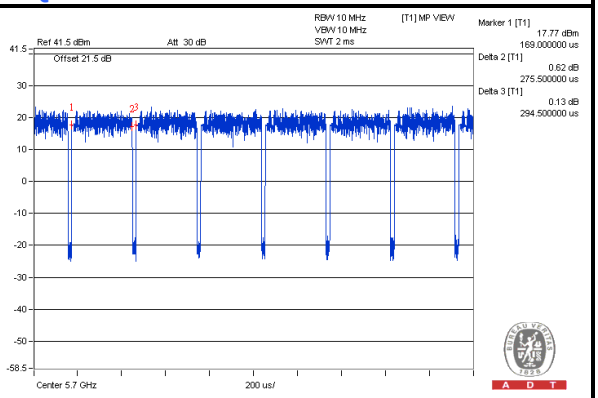
QPSK



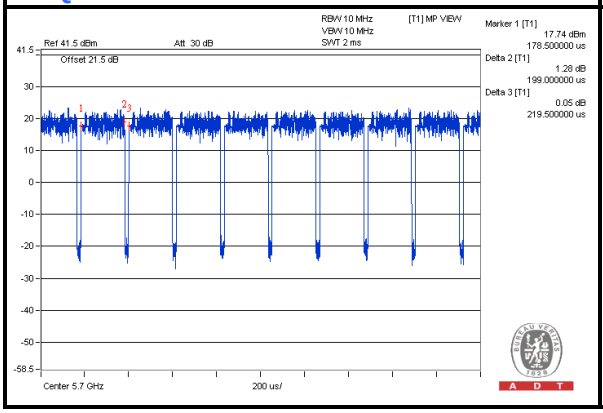
16QAM



64QAM



256QAM



If duty cycle of test signal is ≥ 98 %, duty factor is not required.

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

802.11ac(VHT40)

BPSK: Duty cycle = 0.95105 ms/0.97 ms = 0.98

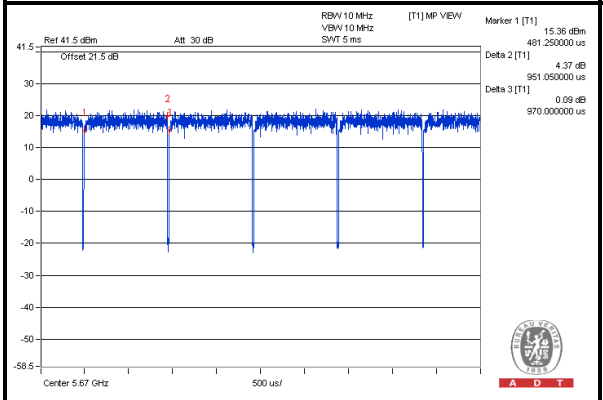
QPSK: Duty cycle = 0.4925 ms/0.5125 ms = 0.961, Duty factor = 10 * log(1/0.961) = 0.17

16QAM: Duty cycle = 0.268 ms/0.287 ms = 0.934, Duty factor = 10 * log(1/0.934) = 0.30

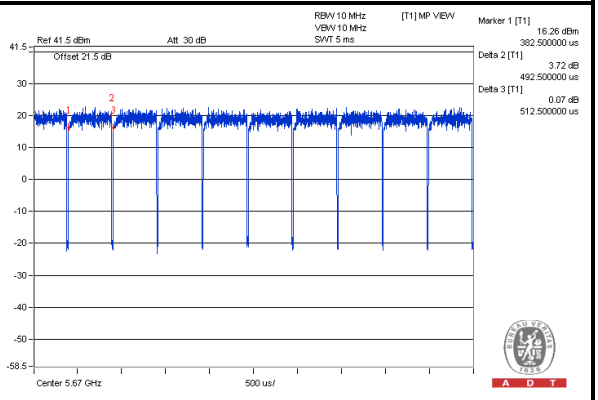
64QAM: Duty cycle = 0.15525 ms/0.174 ms = 0.892, Duty factor = 10 * log(1/0.892) = 0.50

256QAM: Duty cycle = 0.1155 ms/0.1345 ms = 0.859, Duty factor = 10 * log(1/0.859) = 0.66

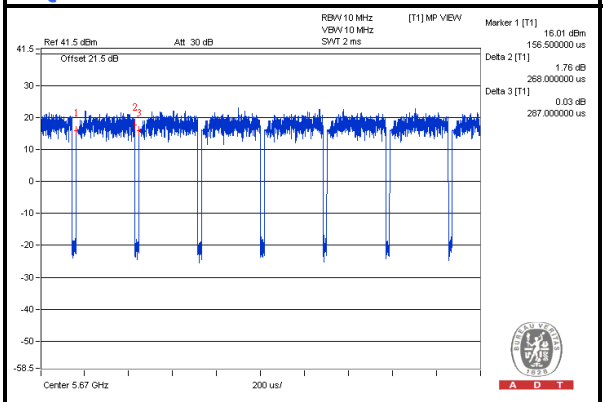
BPSK



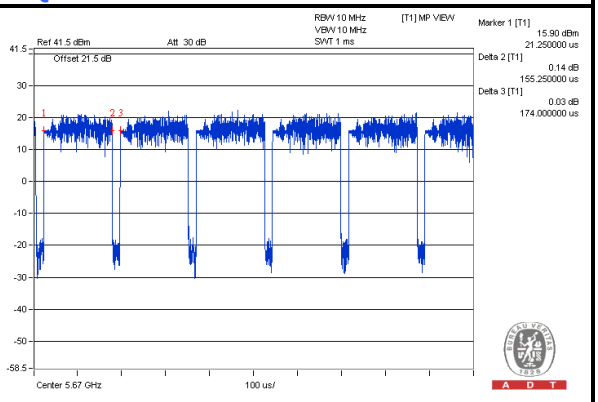
QPSK



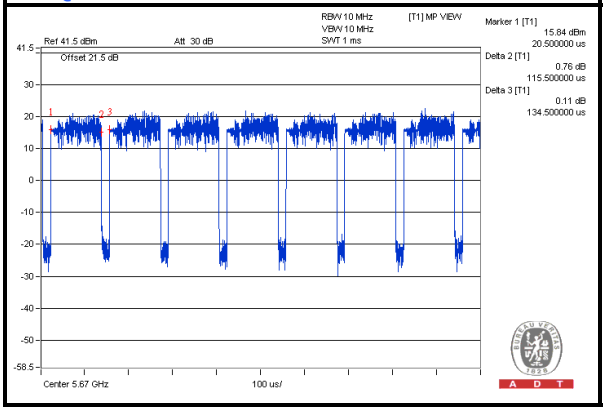
16QAM



64QAM



256QAM



If duty cycle of test signal is ≥ 98 %, duty factor is not required.

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

802.11ac(VHT80)

BPSK: Duty cycle = 0.4595 ms/0.4785 ms = 0.96, Duty factor = 10 * log(1/0.96) = 0.18

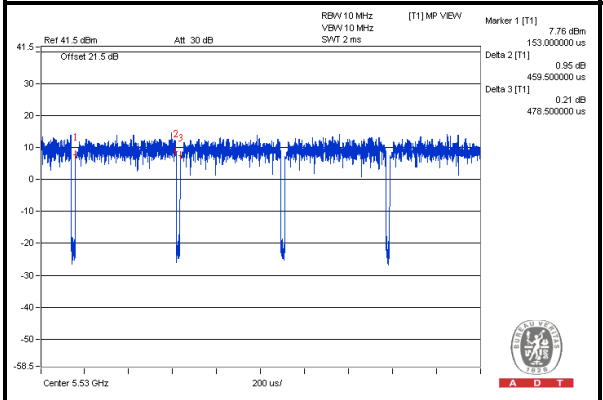
QPSK: Duty cycle = 0.25 ms/0.2705 ms = 0.924, Duty factor = 10 * log(1/0.924) = 0.34

16QAM: Duty cycle = 0.14725 ms/0.166 ms = 0.887, Duty factor = 10 * log(1/0.887) = 0.52

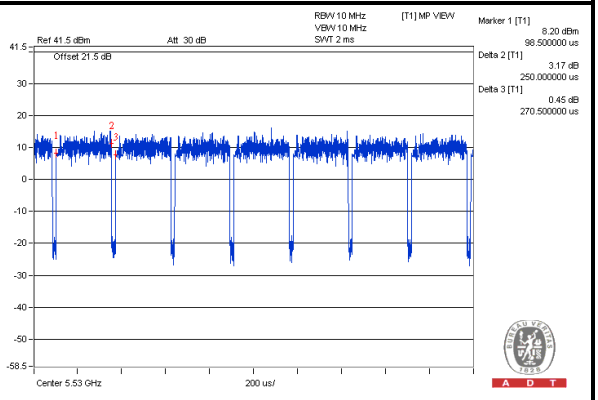
64QAM: Duty cycle = 0.09625 ms/0.1145 ms = 0.842, Duty factor = 10 * log(1/0.842) = 0.74

256QAM: Duty cycle = 0.07525 ms/0.09425 ms = 0.798, Duty factor = 10 * log(1/0.798) = 0.98

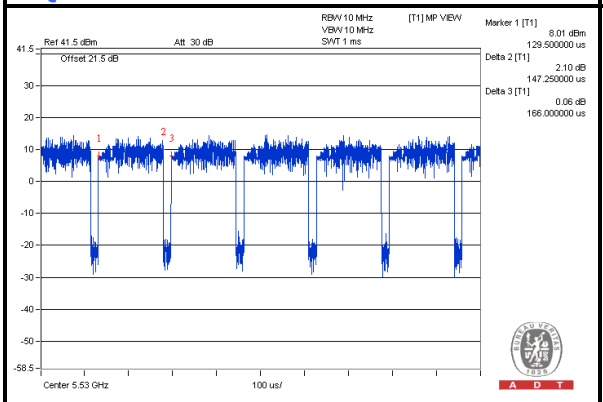
BPSK



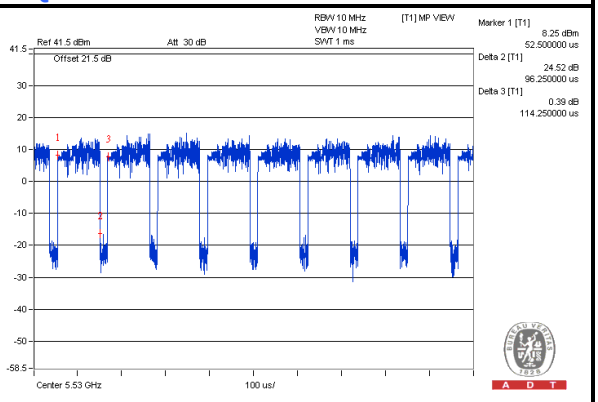
QPSK



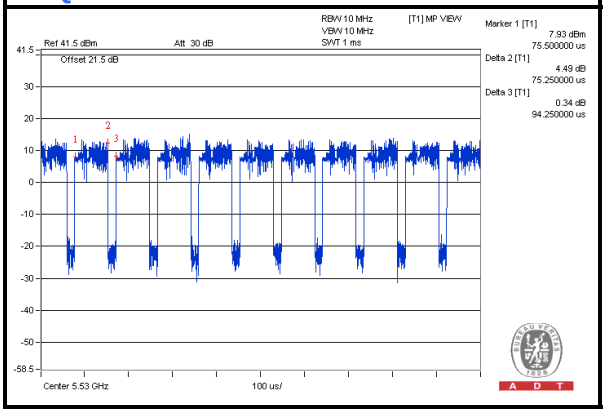
16QAM



64QAM



256QAM



3.5 DESCRIPTION OF SUPPORT UNITS

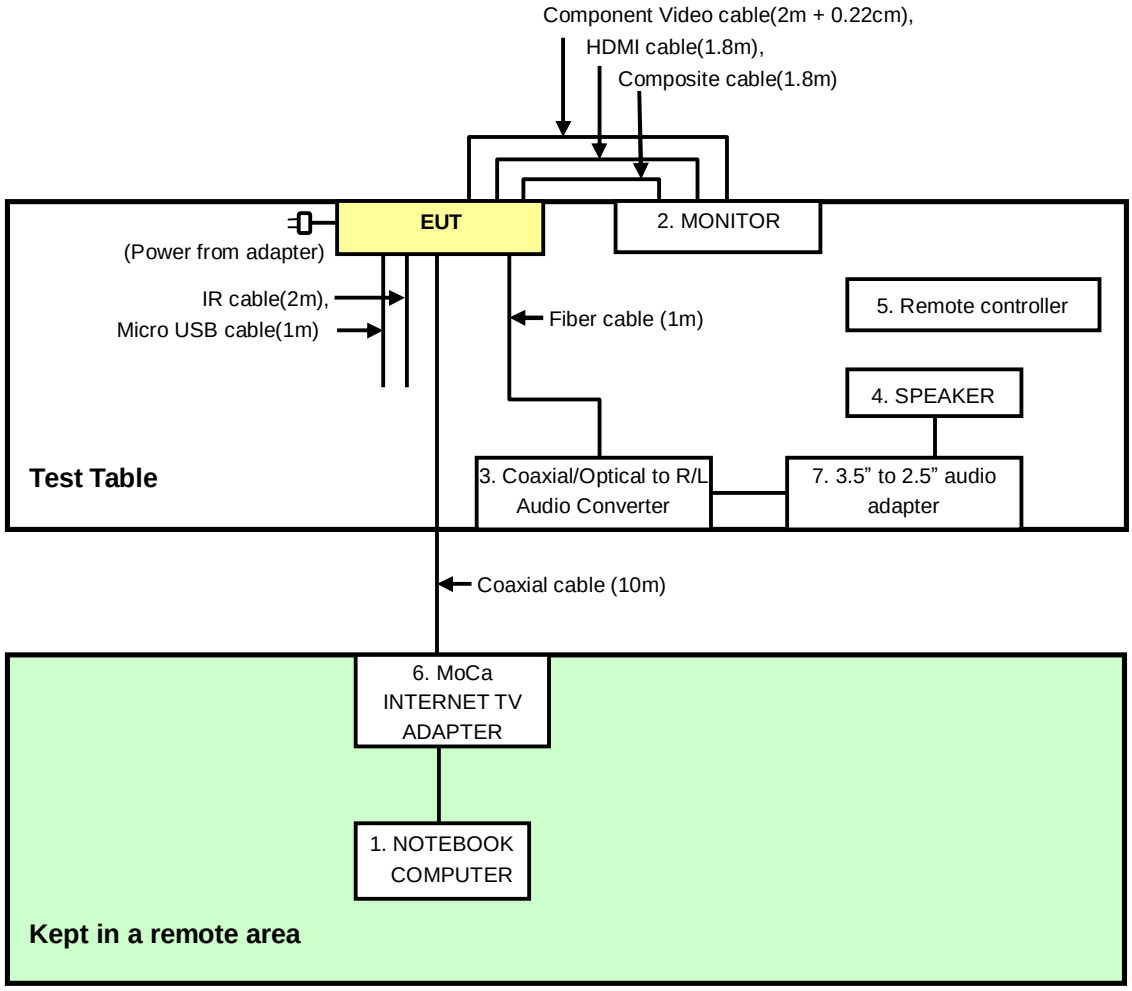
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Product	Brand	Model No.	Serial No.	FCC ID
1	NOTEBOOK COMPUTER	DELL	PP32LA	FSLB32S	FCC DoC
2	MONITOR (For conducted test item)	Panasonic	TH-L26K10W	9540684	NA
	MONITOR (For other test items)	SONY	KDL-32CX520	3676813	FCC DoC
3	Coaxial/Optical to R/L Audio Converter	UPMOST	DCT-3	055200042	FCC DoC
4	SPEAKER	JS	JY2003	081202049	NA
5	Remote controller	Verizon	VZ P265v3RC	NA	NA
6	MoCa INTERNET TV ADAPTER	Channel Master	CM-6004	NA	NA
7	3.5” to 2.5” audio adapter	NA	NA	NA	NA

No.	Signal cable description
1	UTP cable(3m)
2	Composite Video cable (2m+0.22cm), HDMI cable(1.8m), Composite cable(1.8m)
3	Fiber cable(1m)
4	Audio cable(1m)
5	NA
6	Coaxial cable(10m)
7	L/R Audio cable(1.5m)

Note: The power cords of the above support units were unshielded (1.8m).

3.6 CONFIGURATION OF SYSTEM UNDER TEST



4. TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15-0.5 0.5-5 5-30	66 to 56 56 60	56 to 46 46 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 0.50 MHz.

4.1.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver ROHDE & SCHWARZ	ESCS 30	100287	Apr. 09, 2014	Apr. 08, 2015
Line-Impedance Stabilization Network (for EUT) ROHDE & SCHWARZ	NSLK-8127	8127-523	Oct. 02, 2013	Oct. 01, 2014
*Line-Impedance Stabilization Network (for Peripheral) ROHDE & SCHWARZ	ESH3-Z5	848773/004	Oct. 27, 2013	Oct. 26, 2015
RF Cable (JYEBAO)	5D-FB	COACAB-001	May 26, 2014	May 25, 2015
50 ohms Terminator	50	3	Oct. 17, 2013	Oct. 16, 2014
50 ohms Terminator	N/A	EMC-04	Oct. 19, 2013	Oct. 18, 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 calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in Shielded Room No. A.
4 The VCCI Con A Registration No. is C-817.
5. Tested Date: May 02, 2014

4.1.3 TEST PROCEDURES

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.

b. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

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

d. The frequency range from 150kHz to 30MHz was searched. Emission level under (Limit – 20dB) was not recorded.

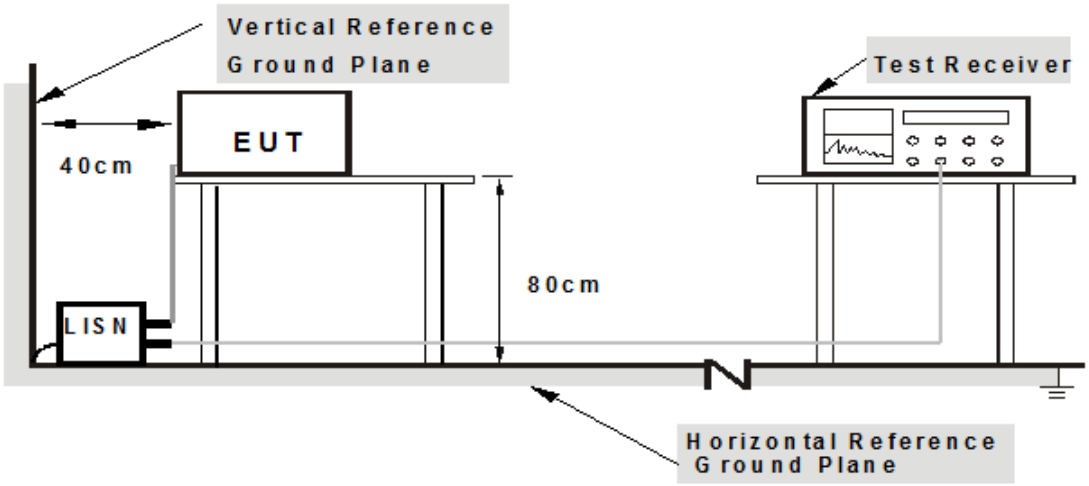
NOTE:

1. The resolution bandwidth of test receiver is 9kHz for Quasi-peak detection (QP) & Average detection (AV).

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

4.1.5 TEST SETUP



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.1.6 EUT OPERATING CONDITIONS

1. Placed the EUT on testing table.
2. Prepared computer system (support units 1, 6) to act as communication partner.
3. The communication partner ran test program “MTool_2.0.1.0” to enable EUT under transmission/receiving condition continuously.

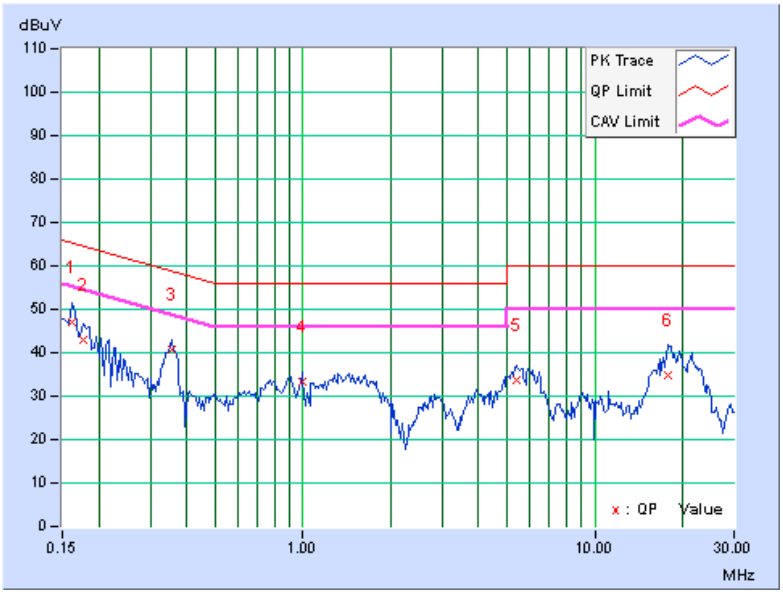
4.1.7 TEST RESULTS (MODE 10, with adapter 1)

PHASE	Line (L)	DETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16172	0.07	47.15	41.05	47.22	41.12	65.38	55.38	-18.15	-14.25
2	0.17734	0.08	42.77	35.03	42.85	35.11	64.61	54.61	-21.76	-19.50
3	0.35703	0.13	40.43	36.04	40.56	36.17	58.80	48.80	-18.24	-12.63
4	0.99766	0.18	33.06	28.70	33.24	28.88	56.00	46.00	-22.76	-17.12
5	5.38672	0.51	33.36	27.29	33.87	27.80	60.00	50.00	-26.13	-22.20
6	17.73828	1.11	33.54	25.89	34.65	27.00	60.00	50.00	-25.35	-23.00

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

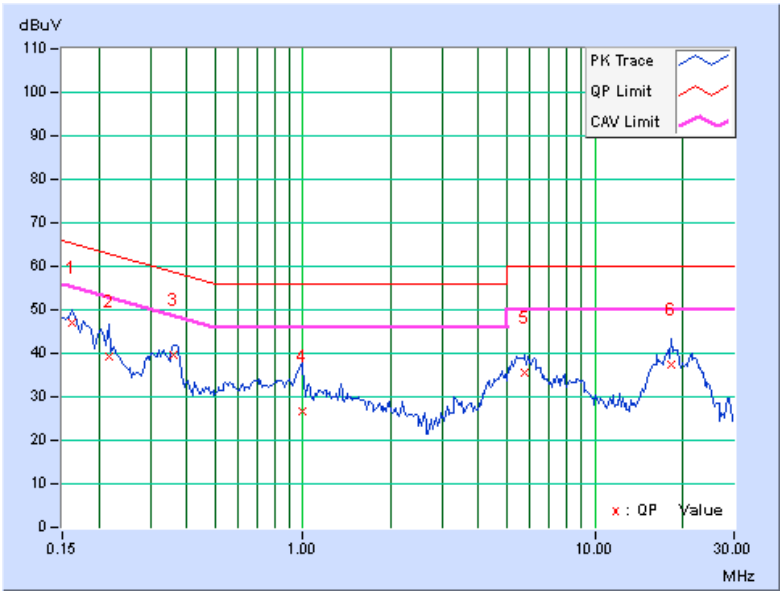


PHASE	Neutral (N)	DETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16172	0.07	46.87	41.13	46.94	41.20	65.38	55.38	-18.44	-14.18
2	0.21641	0.08	39.28	26.20	39.36	26.28	62.96	52.96	-23.60	-26.68
3	0.36094	0.13	39.65	34.93	39.78	35.06	58.71	48.71	-18.93	-13.65
4	0.99375	0.18	26.38	21.63	26.56	21.81	56.00	46.00	-29.44	-24.19
5	5.73438	0.43	35.26	30.04	35.69	30.47	60.00	50.00	-24.31	-19.53
6	18.20313	1.05	36.21	27.61	37.26	28.66	60.00	50.00	-22.74	-21.34

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



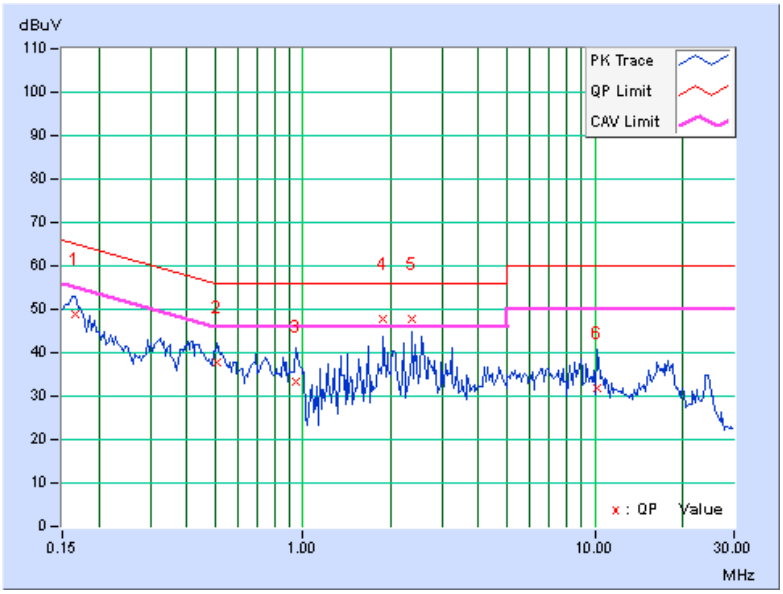
4.1.8 TEST RESULTS (MODE 10, with adapter 2)

PHASE	Line (L)	DETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16562	0.07	48.69	41.01	48.76	41.08	65.18	55.18	-16.41	-14.09
2	0.50938	0.15	37.45	27.72	37.60	27.87	56.00	46.00	-18.40	-18.13
3	0.94688	0.18	33.11	25.73	33.29	25.91	56.00	46.00	-22.71	-20.09
4	1.88672	0.23	47.38	34.19	47.61	34.42	56.00	46.00	-8.39	-11.58
5	**2.35938**	**0.28**	**47.61**	**38.08**	**47.89**	**38.36**	**56.00**	**46.00**	**-8.11**	**-7.64**
6	10.24609	0.70	31.10	25.79	31.80	26.49	60.00	50.00	-28.20	-23.51

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

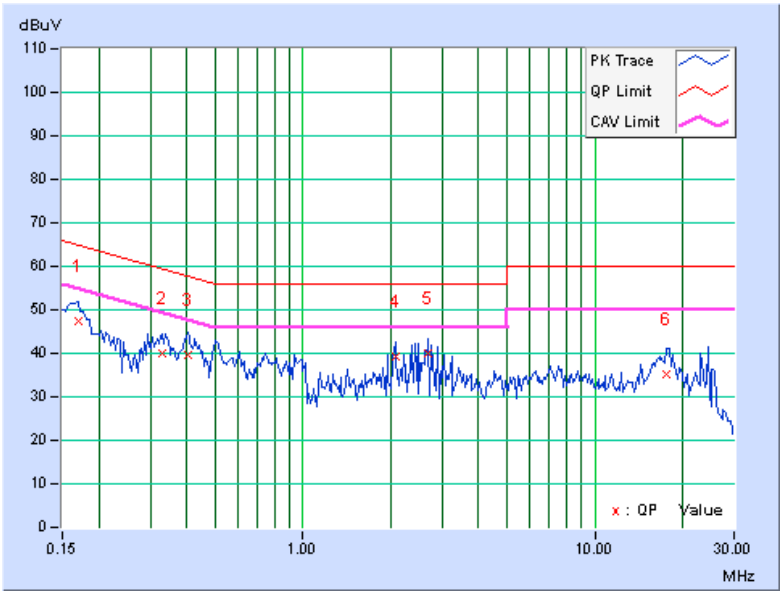


PHASE	Neutral (N)	DETECTOR FUNCTION	Quasi-Peak (QP) / Average (AV)

	Freq.	Corr.	Reading Value		Emission Level		Limit		Margin	
No		Factor	[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16953	0.07	47.23	36.91	47.30	36.98	64.98	54.98	-17.68	-18.00
2	0.32969	0.12	39.85	31.35	39.97	31.47	59.46	49.46	-19.49	-17.99
3	0.40391	0.14	39.58	31.91	39.72	32.05	57.77	47.77	-18.05	-15.72
4	2.08984	0.23	38.98	33.95	39.21	34.18	56.00	46.00	-16.79	-11.82
5	2.69881	0.27	39.75	31.99	40.02	32.26	56.00	46.00	-15.98	-13.74
6	17.55859	1.03	34.27	28.26	35.30	29.29	60.00	50.00	-24.70	-20.71

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 RADIATED EMISSION AND BANDEDGE MEASUREMENT

4.2.1 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.

4.2.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

APPLICABLE TO	LIMIT	
	FIELD STRENGTH AT 3m (dBµV/m)	
	PK	AV
	74	54
	EIRP LIMIT (dBm)	EQUIVALENT FIELD STRENGTH AT 3m (dBµV/m)
√	PK	PK
	-27	68.2

NOTE:

1. 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).

4.2.3 TEST INSTRUMENTS

For Below 1GHz:

For Above 1GHz (Mode 1<Band 2~3>, Mode 10<Band 1>):

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
MXE EMI Receiver Agilent	N9038A	MY50010156	Jan. 15, 2014	Jan. 14, 2015
Pre-Amplifier Mini-Circuits	ZFL-1000VH2 B	AMP-ZFL-04	Nov. 13, 2013	Nov. 12, 2014
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Feb. 27, 2014	Feb. 26, 2015
RF Cable	NA	CHHCAB_001	Oct. 06, 2013	Oct. 05, 2014
Spectrum Analyzer R&S	FSV40	100964	July 15, 2013	July 14, 2014
Horn_Antenna AISI	AIH.8018	0000220091110	Dec. 06, 2013	Dec. 05, 2014
Pre-Amplifier Agilent	8449B	3008A01923	Oct. 29, 2013	Oct. 28, 2014
RF Cable	NA	RF104-205 RF104-207 RF104-202	Dec. 12, 2013	Dec. 11, 2014
Spectrum Analyzer Agilent	E4446A	MY48250253	Aug. 28, 2013	Aug. 27, 2014
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Nov. 13, 2013	Nov. 12, 2014
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Oct. 08, 2013	Oct. 07, 2014
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 horn antenna, preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
3 The test was performed in 966 Chamber No. H.
4. The FCC Site Registration No. is 797305.
5 The CANADA Site Registration No. is IC 7450H-3.
6 Tested Date: June 18, 2014

For Above 1GHz (Mode 1<Band 1>, Mode 4, Mode 11, and Mode 10<Band 2~3>):

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
MXE EMI Receiver Agilent	N9038A	MY51210105	Jan. 21,2014	Jan. 20,2015
Pre-Amplifier Mini-Circuits	ZFL-1000VH2 B	AMP-ZFL-03	Nov. 13, 2013	Nov. 12, 2014
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-360	Feb. 26, 2014	Feb. 25, 2015
RF Cable	NA	CHGCAB_001	Oct. 05, 2013	Oct. 04, 2014
Spectrum Analyzer R&S	FSV40	100964	July 15, 2013	July 14, 2014
Horn_Antenna AISI	AIH.8018	0000320091110	Nov. 18, 2013	Nov. 17, 2014
Pre-Amplifier Agilent	8449B	3008A02578	June 25, 2013	June 24, 2014
RF Cable	NA	RF104-201 RF104-203 RF104-204	Dec. 12, 2013	Dec. 11, 2014
Spectrum Analyzer Agilent	E4446A	MY48250253	Aug. 28, 2013	Aug. 27, 2014
Pre-Amplifier SPACEK LABS	SLKKa-48-6	9K16	Nov. 13, 2013	Nov. 12, 2014
Horn_Antenna SCHWARZBECK	BBHA 9170	9170-424	Oct. 08, 2013	Oct. 07, 2014
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 horn antenna, preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
3 The test was performed in 966 Chamber No. G.
4. The FCC Site Registration No. is 966073.
5 The VCCI Site Registration No. is G-137.
6 The CANADA Site Registration No. is IC 7450H-2.
7 Tested Date: June 17 to 19, 2014

4.2.4 TEST PROCEDURES

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

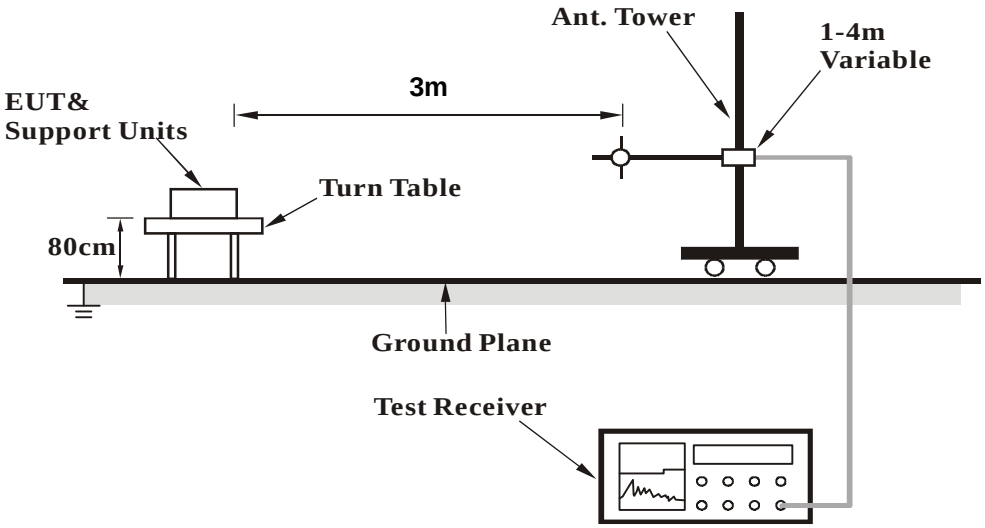
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.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

4.2.5 DEVIATION FROM TEST STANDARD

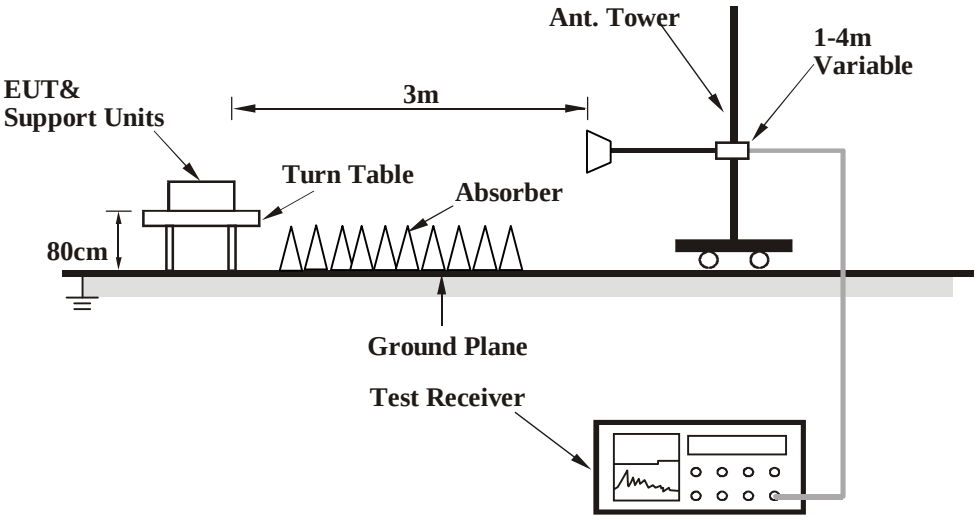
No deviation

4.2.6 TEST SETUP

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

4.2.7 EUT OPERATING CONDITION

Same as 4.1.6

4.2.8 TEST RESULTS (MODE 1)

ABOVE 1GHz DATA

802.11a

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5101.00	57.8 PK	74.0	-16.2	1.38 H	214	51.30	6.50
2	5101.00	48.5 AV	54.0	-5.5	1.38 H	214	42.00	6.50
3	*5180.00	107.5 PK			1.02 H	203	100.50	7.00
4	*5180.00	97.4 AV			1.02 H	203	90.40	7.00
5	#10360.00	54.8 PK	68.2	-13.4	1.00 H	189	41.80	13.00
6	15540.00	60.6 PK	74.0	-13.4	1.00 H	202	41.90	18.70
7	15540.00	48.6 AV	54.0	-5.4	1.00 H	202	29.90	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5101.00	54.8 PK	74.0	-19.2	1.24 V	135	48.30	6.50
2	5101.00	44.0 AV	54.0	-10.0	1.24 V	135	37.50	6.50
3	*5180.00	104.5 PK			1.25 V	139	97.50	7.00
4	*5180.00	94.4 AV			1.25 V	139	87.40	7.00
5	#10360.00	54.9 PK	68.2	-13.3	1.00 V	115	41.90	13.00
6	15540.00	59.8 PK	74.0	-14.2	1.00 V	241	41.10	18.70
7	15540.00	48.5 AV	54.0	-5.5	1.00 V	241	29.80	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5121.00	58.7 PK	74.0	-15.3	1.41 H	221	52.10	6.60
2	5121.00	48.7 AV	54.0	-5.3	1.41 H	221	42.10	6.60
3	*5200.00	107.5 PK			1.00 H	202	100.40	7.10
4	*5200.00	97.7 AV			1.00 H	202	90.60	7.10
5	5361.00	59.1 PK	74.0	-14.9	1.00 H	203	51.40	7.70
6	5361.00	49.4 AV	54.0	-4.6	1.00 H	203	41.70	7.70
7	#10400.00	54.9 PK	68.2	-13.3	1.00 H	193	41.70	13.20
8	15600.00	61.0 PK	74.0	-13.0	1.00 H	193	42.30	18.70
9	15600.00	48.8 AV	54.0	-5.2	1.00 H	193	30.10	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5121.00	57.4 PK	74.0	-16.6	1.98 V	185	50.80	6.60
2	5121.00	47.6 AV	54.0	-6.4	1.98 V	185	41.00	6.60
3	*5200.00	104.1 PK			1.26 V	141	97.00	7.10
4	*5200.00	95.2 AV			1.26 V	141	88.10	7.10
5	5361.00	56.9 PK	74.0	-17.1	1.87 V	158	49.20	7.70
6	5361.00	46.5 AV	54.0	-7.5	1.87 V	158	38.80	7.70
7	#10400.00	54.2 PK	68.2	-14.0	1.00 V	121	41.00	13.20
8	15600.00	59.8 PK	74.0	-14.2	1.00 V	243	41.10	18.70
9	15600.00	48.4 AV	54.0	-5.6	1.00 V	243	29.70	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5081.00	52.5 PK	74.0	-21.5	1.52 H	254	46.00	6.50
2	5081.00	41.0 AV	54.0	-13.0	1.52 H	254	34.50	6.50
3	*5240.00	107.3 PK			1.00 H	202	100.10	7.20
4	*5240.00	97.8 AV			1.00 H	202	90.60	7.20
5	5401.00	60.6 PK	74.0	-13.4	1.74 H	225	52.80	7.80
6	5401.00	51.3 AV	54.0	-2.7	1.74 H	225	43.50	7.80
7	#10480.00	54.4 PK	68.2	-13.8	1.02 H	185	41.30	13.10
8	15720.00	60.5 PK	74.0	-13.5	1.01 H	202	42.10	18.40
9	15720.00	48.7 AV	54.0	-5.3	1.01 H	202	30.30	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5081.00	52.4 PK	74.0	-21.6	1.00 V	205	45.90	6.50
2	5081.00	40.7 AV	54.0	-13.3	1.00 V	205	34.20	6.50
3	*5240.00	105.0 PK			1.28 V	156	97.80	7.20
4	*5240.00	95.7 AV			1.28 V	156	88.50	7.20
5	5401.00	56.7 PK	74.0	-17.3	2.00 V	179	48.90	7.80
6	5401.00	46.5 AV	54.0	-7.5	2.00 V	179	38.70	7.80
7	#10480.00	53.5 PK	68.2	-14.7	1.00 V	133	40.40	13.10
8	15720.00	60.5 PK	74.0	-13.5	1.00 V	201	42.10	18.40
9	15720.00	48.9 AV	54.0	-5.1	1.00 V	201	30.50	18.40

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4600.00	60.1 PK	74.0	-13.9	1.44 H	357	19.64	40.46
2	4600.00	52.1 AV	54.0	-1.9	1.44 H	357	11.64	40.46
3	5100.00	60.0 PK	74.0	-14.0	1.02 H	209	19.56	40.44
4	5100.00	48.7 AV	54.0	-5.3	1.02 H	209	8.26	40.44
5	*5260.00	109.3 PK			1.00 H	211	68.51	40.79
6	*5260.00	99.2 AV			1.00 H	211	58.41	40.79
7	5420.00	63.3 PK	74.0	-10.7	1.73 H	231	22.26	41.04
8	5420.00	53.4 AV	54.0	-0.6	1.73 H	231	12.36	41.04
9	#10520.00	53.3 PK	68.2	-14.9	1.27 H	234	6.44	46.86
10	15780.00	60.0 PK	74.0	-14.0	1.24 H	343	8.56	51.44
11	15780.00	47.9 AV	54.0	-6.1	1.24 H	343	-3.54	51.44
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	4600.00	58.8 PK	74.0	-15.2	1.00 V	342	18.34	40.46
2	4600.00	50.8 AV	54.0	-3.2	1.00 V	342	10.34	40.46
3	5100.00	56.4 PK	74.0	-17.6	1.17 V	182	15.96	40.44
4	5100.00	44.8 AV	54.0	-9.2	1.17 V	182	4.36	40.44
5	*5260.00	106.4 PK			1.14 V	177	65.61	40.79
6	*5260.00	96.2 AV			1.14 V	177	55.41	40.79
7	5420.00	60.3 PK	74.0	-13.7	1.02 V	118	19.26	41.04
8	5420.00	49.6 AV	54.0	-4.4	1.02 V	118	8.56	41.04
9	#10520.00	53.3 PK	68.2	-14.9	1.18 V	340	6.44	46.86
10	15780.00	59.7 PK	74.0	-14.3	1.36 V	240	8.26	51.44
11	15780.00	48.2 AV	54.0	-5.8	1.36 V	240	-3.24	51.44

REMARKS:

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

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	109.3 PK			1.16 H	237	68.44	40.86
2	*5300.00	99.3 AV			1.16 H	237	58.44	40.86
3	5380.00	63.5 PK	74.0	-10.5	1.43 H	240	22.52	40.98
4	5380.00	53.8 AV	54.0	-0.2	1.43 H	240	12.82	40.98
5	5460.00	63.2 PK	74.0	-10.8	1.38 H	241	22.08	41.12
6	5460.00	53.1 AV	54.0	-0.9	1.38 H	241	11.98	41.12
7	10600.00	53.3 PK	74.0	-20.7	1.32 H	220	6.24	47.06
8	10600.00	40.8 AV	54.0	-13.2	1.32 H	220	-6.26	47.06
9	15900.00	59.8 PK	74.0	-14.2	1.20 H	335	8.25	51.55
10	15900.00	47.9 AV	54.0	-6.1	1.20 H	335	-3.65	51.55
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	*5300.00	106.1 PK			1.13 V	181	65.24	40.86
2	*5300.00	96.2 AV			1.13 V	181	55.34	40.86
3	5380.00	60.3 PK	74.0	-13.7	1.17 V	165	19.32	40.98
4	5380.00	50.9 AV	54.0	-3.1	1.17 V	165	9.92	40.98
5	5460.00	60.3 PK	74.0	-13.7	1.13 V	172	19.18	41.12
6	5460.00	50.4 AV	54.0	-3.6	1.13 V	172	9.28	41.12
7	10600.00	52.8 PK	74.0	-21.2	1.17 V	334	5.74	47.06
8	10600.00	40.6 AV	54.0	-13.4	1.17 V	334	-6.46	47.06
9	15900.00	59.5 PK	74.0	-14.5	1.33 V	231	7.95	51.55
10	15900.00	47.8 AV	54.0	-6.2	1.33 V	231	-3.75	51.55

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	108.6 PK			1.41 H	240	67.71	40.89
2	*5320.00	98.8 AV			1.41 H	240	57.91	40.89
3	5400.00	63.0 PK	74.0	-11.0	1.39 H	240	21.99	41.01
4	5400.00	53.2 AV	54.0	-0.8	1.39 H	240	12.19	41.01
5	10640.00	53.4 PK	74.0	-20.6	1.34 H	218	6.36	47.04
6	10640.00	41.1 AV	54.0	-12.9	1.34 H	218	-5.94	47.04
7	15960.00	59.5 PK	74.0	-14.5	1.15 H	343	7.97	51.53
8	15960.00	47.7 AV	54.0	-6.3	1.15 H	343	-3.83	51.53
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	105.6 PK			1.18 V	169	64.71	40.89
2	*5320.00	95.7 AV			1.18 V	169	54.81	40.89
3	5400.00	60.2 PK	74.0	-13.8	1.12 V	176	19.19	41.01
4	5400.00	50.7 AV	54.0	-3.3	1.12 V	176	9.69	41.01
5	10640.00	53.0 PK	74.0	-21.0	1.18 V	339	5.96	47.04
6	10640.00	41.0 AV	54.0	-13.0	1.18 V	339	-6.04	47.04
7	15960.00	59.2 PK	74.0	-14.8	1.34 V	245	7.67	51.53
8	15960.00	47.8 AV	54.0	-6.2	1.34 V	245	-3.73	51.53

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-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	*5500.00	111.4 PK			1.38 H	240	70.20	41.20
2	*5500.00	101.7 AV			1.38 H	240	60.50	41.20
3	11000.00	53.1 PK	74.0	-20.9	1.34 H	215	5.69	47.41
4	11000.00	40.5 AV	54.0	-13.5	1.34 H	215	-6.91	47.41
5	#16500.00	60.5 PK	68.2	-7.7	1.18 H	347	7.54	52.96
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	*5500.00	108.1 PK			1.16 V	184	66.90	41.20
2	*5500.00	98.5 AV			1.16 V	184	57.30	41.20
3	11000.00	52.2 PK	74.0	-21.8	1.15 V	348	4.79	47.41
4	11000.00	40.2 AV	54.0	-13.8	1.15 V	348	-7.21	47.41
5	#16500.00	59.7 PK	68.2	-8.5	1.35 V	217	6.74	52.96

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5420.00	62.6 PK	74.0	-11.4	1.69 H	238	21.56	41.04
2	5420.00	52.5 AV	54.0	-1.5	1.69 H	238	11.46	41.04
3	*5580.00	115.0 PK			1.63 H	295	73.68	41.32
4	*5580.00	105.4 AV			1.63 H	295	64.08	41.32
5	#5740.00	66.4 PK	68.2	-1.8	1.35 H	285	24.91	41.49
6	11160.00	53.6 PK	74.0	-20.4	1.26 H	216	6.50	47.10
7	11160.00	41.2 AV	54.0	-12.8	1.26 H	216	-5.90	47.10
8	#16740.00	60.1 PK	68.2	-8.1	1.21 H	328	6.53	53.57
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5420.00	59.7 PK	74.0	-14.3	1.11 V	167	18.66	41.04
2	5420.00	49.4 AV	54.0	-4.6	1.11 V	167	8.36	41.04
3	*5580.00	111.8 PK			1.16 V	165	70.48	41.32
4	*5580.00	102.4 AV			1.16 V	165	61.08	41.32
5	#5740.00	63.4 PK	68.2	-4.8	1.14 V	190	21.91	41.49
6	11160.00	52.2 PK	74.0	-21.8	1.20 V	331	5.10	47.10
7	11160.00	40.2 AV	54.0	-13.8	1.20 V	331	-6.90	47.10
8	#16740.00	59.6 PK	68.2	-8.6	1.34 V	228	6.03	53.57

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (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	113.5 PK			1.35 H	293	72.08	41.42
2	*5660.00	103.1 AV			1.35 H	293	61.68	41.42
3	#5740.00	67.8 PK	68.2	-0.4	1.61 H	295	26.31	41.49
4	#5820.00	65.5 PK	68.2	-2.7	1.59 H	295	23.89	41.61
5	11320.00	53.1 PK	74.0	-20.9	1.27 H	224	6.01	47.09
6	11320.00	40.8 AV	54.0	-13.2	1.27 H	224	-6.29	47.09
7	#16980.00	59.5 PK	68.2	-8.7	1.20 H	322	5.32	54.18
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	110.0 PK			1.15 V	181	68.58	41.42
2	*5660.00	99.7 AV			1.15 V	181	58.28	41.42
3	#5740.00	64.8 PK	68.2	-3.4	1.17 V	193	23.31	41.49
4	#5820.00	62.0 PK	68.2	-6.2	1.11 V	191	20.39	41.61
5	11320.00	52.8 PK	74.0	-21.2	1.12 V	327	5.71	47.09
6	11320.00	40.5 AV	54.0	-13.5	1.12 V	327	-6.59	47.09
7	#16980.00	59.4 PK	68.2	-8.8	1.34 V	241	5.22	54.18

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	112.7 PK			1.34 H	278	71.25	41.45
2	*5700.00	102.4 AV			1.34 H	278	60.95	41.45
3	**#5725.00**	**68.1 PK**	**68.2**	**-0.1**	**1.34 H**	**278**	**26.62**	**41.48**
4	11400.00	53.4 PK	74.0	-20.6	1.31 H	223	6.31	47.09
5	11400.00	40.8 AV	54.0	-13.2	1.31 H	223	-6.29	47.09
6	#17100.00	59.7 PK	68.2	-8.5	1.20 H	326	5.34	54.36
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	109.1 PK			1.08 V	173	67.65	41.45
2	*5700.00	98.9 AV			1.08 V	173	57.45	41.45
3	#5725.00	65.6 PK	68.2	-2.6	1.13 V	193	24.12	41.48
4	11400.00	52.4 PK	74.0	-21.6	1.15 V	320	5.31	47.09
5	11400.00	40.3 AV	54.0	-13.7	1.15 V	320	-6.79	47.09
6	#17100.00	59.0 PK	68.2	-9.2	1.38 V	218	4.64	54.36

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5242.00	57.6 PK	68.2	-10.6	1.19 H	266	16.84	40.76
2	*5720.00	115.4 PK			1.34 H	278	73.92	41.48
3	*5720.00	105.2 AV			1.34 H	278	63.72	41.48
4	#5840.00	59.2 PK	68.2	-9.0	1.60 H	272	17.55	41.65
5	#5880.00	65.5 PK	68.2	-2.7	1.04 H	281	23.75	41.75
6	11440.00	53.3 PK	74.0	-20.7	1.34 H	217	6.19	47.11
7	11440.00	41.0 AV	54.0	-13.0	1.34 H	217	-6.11	47.11
8	#17160.00	59.6 PK	68.2	-8.6	1.19 H	331	5.00	54.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	54.2 PK	68.2	-14.0	1.10 V	163	13.06	41.14
2	*5720.00	111.9 PK			1.15 V	175	70.42	41.48
3	*5720.00	101.8 AV			1.15 V	175	60.32	41.48
4	#5825.00	62.9 PK	68.2	-5.3	1.15 V	183	21.28	41.62
5	#5840.00	56.2 PK	68.2	-12.0	1.14 V	186	14.55	41.65
6	11440.00	53.3 PK	74.0	-20.7	1.14 V	337	6.19	47.11
7	11440.00	41.2 AV	54.0	-12.8	1.14 V	337	-5.91	47.11
8	#17160.00	59.7 PK	68.2	-8.5	1.31 V	252	5.10	54.60

REMARKS:

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

4.2.9 TEST RESULTS (MODE 4)

ABOVE 1GHz DATA

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	5103.00	60.3 PK	74.0	-13.7	1.03 H	193	53.80	6.50
2	5103.00	51.6 AV	54.0	-2.4	1.03 H	193	45.10	6.50
3	*5180.00	109.3 PK			1.00 H	203	102.30	7.00
4	*5180.00	101.1 AV			1.00 H	203	94.10	7.00
5	#10360.00	54.9 PK	68.2	-13.3	1.00 H	270	41.90	13.00
6	15540.00	60.2 PK	74.0	-13.8	1.01 H	329	41.50	18.70
7	15540.00	47.4 AV	54.0	-6.6	1.01 H	329	28.70	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5099.24	59.8 PK	74.0	-14.2	1.73 V	102	53.30	6.50
2	5099.24	51.6 AV	54.0	-2.4	1.73 V	102	45.10	6.50
3	*5180.00	108.9 PK			1.41 V	103	101.90	7.00
4	*5180.00	101.1 AV			1.41 V	103	94.10	7.00
5	#10360.00	54.2 PK	68.2	-14.0	1.06 V	221	41.20	13.00
6	15540.00	60.3 PK	74.0	-13.7	1.05 V	134	41.60	18.70
7	15540.00	47.7 AV	54.0	-6.3	1.05 V	134	29.00	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5117.86	61.2 PK	74.0	-12.8	1.02 H	192	54.60	6.60
2	5117.86	52.2 AV	54.0	-1.8	1.02 H	192	45.60	6.60
3	*5200.00	109.0 PK			1.00 H	202	101.90	7.10
4	*5200.00	101.2 AV			1.00 H	202	94.10	7.10
5	5358.97	59.8 PK	74.0	-14.2	1.00 H	209	52.30	7.50
6	5358.97	51.9 AV	54.0	-2.1	1.00 H	209	44.40	7.50
7	#10400.00	54.7 PK	68.2	-13.5	1.00 H	280	41.50	13.20
8	15600.00	59.8 PK	74.0	-14.2	1.00 H	314	41.10	18.70
9	15600.00	47.2 AV	54.0	-6.8	1.00 H	314	28.50	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5117.86	61.4 PK	74.0	-12.6	1.60 V	113	54.80	6.60
2	5117.86	52.6 AV	54.0	-1.4	1.60 V	113	46.00	6.60
3	*5200.00	109.1 PK			1.02 V	157	102.00	7.10
4	*5200.00	101.3 AV			1.02 V	157	94.20	7.10
5	5358.97	57.0 PK	74.0	-17.0	1.17 V	98	49.50	7.50
6	5358.97	51.8 AV	54.0	-2.2	1.17 V	98	44.30	7.50
7	#10400.00	54.4 PK	68.2	-13.8	1.03 V	218	41.20	13.20
8	15600.00	60.2 PK	74.0	-13.8	1.07 V	127	41.50	18.70
9	15600.00	47.6 AV	54.0	-6.4	1.07 V	127	28.90	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	108.6 PK			1.01 H	204	101.40	7.20
2	*5240.00	101.3 AV			1.01 H	204	94.10	7.20
3	5398.65	59.5 PK	74.0	-14.5	1.00 H	205	51.70	7.80
4	5398.65	51.6 AV	54.0	-2.4	1.00 H	205	43.80	7.80
5	#10480.00	54.6 PK	68.2	-13.6	1.00 H	283	41.50	13.10
6	15720.00	59.8 PK	74.0	-14.2	1.00 H	315	41.40	18.40
7	15720.00	47.1 AV	54.0	-6.9	1.00 H	315	28.70	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	108.5 PK			1.04 V	162	101.30	7.20
2	*5240.00	101.3 AV			1.04 V	162	94.10	7.20
3	5350.00	59.5 PK	74.0	-14.5	1.17 V	100	52.10	7.40
4	5350.00	51.4 AV	54.0	-2.6	1.17 V	100	44.00	7.40
5	#10480.00	54.6 PK	68.2	-13.6	1.06 V	222	41.50	13.10
6	15720.00	60.0 PK	74.0	-14.0	1.03 V	128	41.60	18.40
7	15720.00	47.4 AV	54.0	-6.6	1.03 V	128	29.00	18.40

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	109.5 PK			1.41 H	248	102.40	7.10
2	*5260.00	101.7 AV			1.41 H	248	94.60	7.10
3	5418.78	62.4 PK	74.0	-11.6	1.67 H	243	54.60	7.80
4	5418.78	53.5 AV	54.0	-0.5	1.67 H	243	45.70	7.80
5	#10520.00	55.2 PK	68.2	-13.0	1.05 H	249	42.00	13.20
6	15780.00	59.7 PK	74.0	-14.3	1.03 H	326	41.20	18.50
7	15780.00	47.4 AV	54.0	-6.6	1.03 H	326	28.90	18.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	106.5 PK			1.00 V	91	99.40	7.10
2	*5260.00	100.6 AV			1.00 V	91	93.50	7.10
3	5418.78	59.6 PK	74.0	-14.4	1.52 V	209	51.80	7.80
4	5418.78	51.3 AV	54.0	-2.7	1.52 V	209	43.50	7.80
5	#10520.00	54.4 PK	68.2	-13.8	1.00 V	216	41.20	13.20
6	15780.00	59.6 PK	74.0	-14.4	1.02 V	148	41.10	18.50
7	15780.00	46.9 AV	54.0	-7.1	1.02 V	148	28.40	18.50

REMARKS:

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

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	108.5 PK			1.41 H	246	101.20	7.30
2	*5300.00	99.4 AV			1.41 H	246	92.10	7.30
3	5378.74	62.9 PK	74.0	-11.1	1.39 H	243	55.20	7.70
4	5378.74	53.8 AV	54.0	-0.2	1.39 H	243	46.10	7.70
5	#5461.31	61.0 PK	68.2	-7.2	1.39 H	246	53.20	7.80
6	10600.00	55.7 PK	74.0	-18.3	1.02 H	233	42.20	13.50
7	10600.00	42.1 AV	54.0	-11.9	1.02 H	233	28.60	13.50
8	15900.00	60.0 PK	74.0	-14.0	1.00 H	306	41.40	18.60
9	15900.00	47.6 AV	54.0	-6.4	1.00 H	306	29.00	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	105.5 PK			1.06 V	97	98.20	7.30
2	*5300.00	98.3 AV			1.06 V	97	91.00	7.30
3	5378.74	60.2 PK	74.0	-13.8	1.34 V	220	52.50	7.70
4	5378.74	52.1 AV	54.0	-1.9	1.34 V	220	44.40	7.70
5	#5461.31	58.3 PK	68.2	-9.9	1.35 V	217	50.50	7.80
6	10600.00	53.5 PK	74.0	-20.5	1.00 V	221	40.00	13.50
7	10600.00	40.3 AV	54.0	-13.7	1.00 V	221	26.80	13.50
8	15900.00	59.4 PK	74.0	-14.6	1.04 V	135	40.80	18.60
9	15900.00	47.0 AV	54.0	-7.0	1.04 V	135	28.40	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	109.4 PK			1.41 H	246	102.00	7.40
2	*5320.00	100.0 AV			1.41 H	246	92.60	7.40
3	5398.51	61.6 PK	74.0	-12.4	1.36 H	239	53.80	7.80
4	5398.51	53.4 AV	54.0	-0.6	1.36 H	239	45.60	7.80
5	10640.00	55.6 PK	74.0	-18.4	1.00 H	233	42.00	13.60
6	10640.00	41.7 AV	54.0	-12.3	1.00 H	233	28.10	13.60
7	15960.00	59.7 PK	74.0	-14.3	1.02 H	318	41.10	18.60
8	15960.00	47.5 AV	54.0	-6.5	1.02 H	318	28.90	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	106.4 PK			1.00 V	98	99.00	7.40
2	*5320.00	98.9 AV			1.00 V	98	91.50	7.40
3	5398.50	58.7 PK	74.0	-15.3	1.40 V	225	50.90	7.80
4	5398.50	51.3 AV	54.0	-2.7	1.40 V	225	43.50	7.80
5	10640.00	53.7 PK	74.0	-20.3	1.00 V	208	40.10	13.60
6	10640.00	40.3 AV	54.0	-13.7	1.00 V	208	26.70	13.60
7	15960.00	59.3 PK	74.0	-14.7	1.04 V	133	40.70	18.60
8	15960.00	47.4 AV	54.0	-6.6	1.04 V	133	28.80	18.60

REMARKS:

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

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	5418.73	61.9 PK	74.0	-12.1	1.67 H	245	54.10	7.80
2	5418.73	53.8 AV	54.0	-0.2	1.67 H	245	46.00	7.80
3	#5470.00	54.2 PK	68.2	-14.0	1.37 H	244	46.40	7.80
4	*5500.00	109.0 PK			1.38 H	244	101.00	8.00
5	*5500.00	101.0 AV			1.38 H	244	93.00	8.00
6	11000.00	55.2 PK	74.0	-18.8	1.00 H	240	40.80	14.40
7	11000.00	41.2 AV	54.0	-12.8	1.00 H	240	26.80	14.40
8	#16500.00	59.5 PK	68.2	-8.7	1.06 H	306	38.50	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	58.4 PK	74.0	-15.6	1.08 V	210	50.60	7.80
2	5460.00	51.5 AV	54.0	-2.5	1.08 V	210	43.70	7.80
3	#5470.00	50.3 PK	68.2	-17.9	1.42 V	218	42.50	7.80
4	*5500.00	106.8 PK			1.00 V	83	98.80	8.00
5	*5500.00	97.9 AV			1.00 V	83	89.90	8.00
6	11000.00	53.9 PK	74.0	-20.1	1.00 V	196	39.50	14.40
7	11000.00	40.5 AV	54.0	-13.5	1.00 V	196	26.10	14.40
8	#16500.00	59.1 PK	68.2	-9.1	1.04 V	134	38.10	21.00

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5418.78	62.6 PK	74.0	-11.4	1.37 H	244	54.80	7.80
2	5418.78	53.6 AV	54.0	-0.4	1.37 H	244	45.80	7.80
3	*5580.00	115.6 PK			1.63 H	247	107.50	8.10
4	*5580.00	107.1 AV			1.63 H	247	99.00	8.10
5	#5742.49	65.8 PK	68.2	-2.4	1.62 H	271	57.40	8.40
6	11160.00	54.0 PK	74.0	-20.0	1.00 H	227	39.80	14.20
7	11160.00	40.4 AV	54.0	-13.6	1.00 H	227	26.20	14.20
8	#16740.00	60.0 PK	68.2	-8.2	1.06 H	297	38.90	21.10
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	5418.78	60.1 PK	74.0	-13.9	1.21 V	223	52.30	7.80
2	5418.78	51.3 AV	54.0	-2.7	1.21 V	223	43.50	7.80
3	*5580.00	113.4 PK			1.00 V	84	105.30	8.10
4	*5580.00	104.0 AV			1.00 V	84	95.90	8.10
5	#5742.49	61.6 PK	68.2	-6.6	1.22 V	208	53.20	8.40
6	11160.00	53.5 PK	74.0	-20.5	1.04 V	199	39.30	14.20
7	11160.00	40.2 AV	54.0	-13.8	1.04 V	199	26.00	14.20
8	#16740.00	58.2 PK	68.2	-10.0	1.00 V	144	37.10	21.10

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (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	114.0 PK			1.62 H	245	105.70	8.30
2	*5660.00	105.5 AV			1.62 H	245	97.20	8.30
3	#5737.60	67.4 PK	68.2	-0.8	1.62 H	271	59.00	8.40
4	11320.00	53.7 PK	74.0	-20.3	1.06 H	223	39.40	14.30
5	11320.00	40.4 AV	54.0	-13.6	1.06 H	223	26.10	14.30
6	#16980.00	59.9 PK	68.2	-8.3	1.09 H	286	38.40	21.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5660.00	111.8 PK			1.00 V	80	103.50	8.30
2	*5660.00	102.4 AV			1.00 V	80	94.10	8.30
3	#5737.60	63.2 PK	68.2	-5.0	1.24 V	210	54.80	8.40
4	11320.00	54.0 PK	74.0	-20.0	1.00 V	213	39.70	14.30
5	11320.00	40.4 AV	54.0	-13.6	1.00 V	213	26.10	14.30
6	#16980.00	58.3 PK	68.2	-9.9	1.00 V	137	36.80	21.50

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	114.1 PK			1.60 H	244	105.70	8.40
2	*5700.00	106.1 AV			1.60 H	244	97.70	8.40
3	#5777.40	67.9 PK	68.2	-0.3	1.61 H	271	59.40	8.50
4	11400.00	53.4 PK	74.0	-20.6	1.03 H	235	38.90	14.50
5	11400.00	40.2 AV	54.0	-13.8	1.03 H	235	25.70	14.50
6	#17100.00	59.6 PK	68.2	-8.6	1.09 H	282	37.80	21.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	112.0 PK			1.06 V	100	103.60	8.40
2	*5700.00	103.0 AV			1.06 V	100	94.60	8.40
3	#5777.40	64.1 PK	68.2	-4.1	1.28 V	205	55.60	8.50
4	11400.00	54.5 PK	74.0	-19.5	1.02 V	206	40.00	14.50
5	11400.00	40.7 AV	54.0	-13.3	1.02 V	206	26.20	14.50
6	#17100.00	58.1 PK	68.2	-10.1	1.04 V	139	36.30	21.80

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5720.00	117.3 PK			1.32 H	246	108.90	8.40
2	*5720.00	108.6 AV			1.32 H	246	100.20	8.40
3	#5882.35	67.4 PK	68.2	-0.8	1.58 H	262	58.50	8.90
4	11440.00	53.6 PK	74.0	-20.4	1.00 H	220	39.20	14.40
5	11440.00	40.5 AV	54.0	-13.5	1.00 H	220	26.10	14.40
6	#17160.00	60.2 PK	68.2	-8.0	1.04 H	265	38.20	22.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5720.00	115.2 PK			1.02 V	104	106.80	8.40
2	*5720.00	105.5 AV			1.02 V	104	97.10	8.40
3	#5825.00	63.2 PK	68.2	-5.0	1.31 V	211	54.60	8.60
4	11440.00	53.6 PK	74.0	-20.4	1.00 V	221	39.20	14.40
5	11440.00	40.3 AV	54.0	-13.7	1.00 V	221	25.90	14.40
6	#17160.00	57.9 PK	68.2	-10.3	1.04 V	151	35.90	22.00

REMARKS:

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

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	5112.95	60.7 PK	74.0	-13.3	1.01 H	194	54.10	6.60
2	5112.95	49.8 AV	54.0	-4.2	1.01 H	194	43.20	6.60
3	*5190.00	106.3 PK			1.00 H	203	99.20	7.10
4	*5190.00	98.3 AV			1.00 H	203	91.20	7.10
5	5353.69	57.9 PK	74.0	-16.1	1.00 H	205	50.50	7.40
6	5353.69	49.2 AV	54.0	-4.8	1.00 H	205	41.80	7.40
7	#10380.00	54.5 PK	68.2	-13.7	1.00 H	293	41.30	13.20
8	15570.00	59.7 PK	74.0	-14.3	1.04 H	309	41.10	18.60
9	15570.00	46.9 AV	54.0	-7.1	1.04 H	309	28.30	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5113.00	60.4 PK	74.0	-13.6	1.05 V	165	53.80	6.60
2	5113.00	49.5 AV	54.0	-4.5	1.05 V	165	42.90	6.60
3	*5190.00	106.1 PK			1.03 V	167	99.00	7.10
4	*5190.00	98.2 AV			1.03 V	167	91.10	7.10
5	5353.70	57.7 PK	74.0	-16.3	1.16 V	104	50.30	7.40
6	5353.70	48.7 AV	54.0	-5.3	1.16 V	104	41.30	7.40
7	#10380.00	54.7 PK	68.2	-13.5	1.05 V	229	41.50	13.20
8	15570.00	60.2 PK	74.0	-13.8	1.00 V	137	41.60	18.60
9	15570.00	47.7 AV	54.0	-6.3	1.00 V	137	29.10	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	106.3 PK			1.00 H	202	99.10	7.20
2	*5230.00	98.7 AV			1.00 H	202	91.50	7.20
3	5393.59	58.7 PK	74.0	-15.3	1.00 H	205	51.00	7.70
4	5393.59	49.2 AV	54.0	-4.8	1.00 H	205	41.50	7.70
5	#10460.00	54.7 PK	68.2	-13.5	1.00 H	299	41.50	13.20
6	15690.00	59.5 PK	74.0	-14.5	1.08 H	324	41.10	18.40
7	15690.00	47.0 AV	54.0	-7.0	1.08 H	324	28.60	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	106.1 PK			1.04 V	164	98.90	7.20
2	*5230.00	98.6 AV			1.04 V	164	91.40	7.20
3	5393.59	58.5 PK	74.0	-15.5	1.16 V	100	50.80	7.70
4	5393.59	49.0 AV	54.0	-5.0	1.16 V	100	41.30	7.70
5	#10460.00	55.1 PK	68.2	-13.1	1.06 V	230	41.90	13.20
6	15690.00	60.0 PK	74.0	-14.0	1.00 V	131	41.60	18.40
7	15690.00	47.4 AV	54.0	-6.6	1.00 V	131	29.00	18.40

REMARKS:

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

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5106.36	55.5 PK	74.0	-18.5	1.44 H	248	48.90	6.60
2	5106.36	45.5 AV	54.0	-8.5	1.44 H	248	38.90	6.60
3	*5270.00	108.7 PK			1.41 H	247	101.60	7.10
4	*5270.00	100.2 AV			1.41 H	247	93.10	7.10
5	5353.58	62.1 PK	74.0	-11.9	1.40 H	240	54.70	7.40
6	5353.58	53.6 AV	54.0	-0.4	1.40 H	240	46.20	7.40
7	#10540.00	52.7 PK	68.2	-15.5	1.00 H	209	39.50	13.20
8	15810.00	59.5 PK	74.0	-14.5	1.05 H	250	40.90	18.60
9	15810.00	48.3 AV	54.0	-5.7	1.05 H	250	29.70	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5106.36	52.3 PK	74.0	-21.7	1.13 V	213	45.70	6.60
2	5106.36	41.6 AV	54.0	-12.4	1.13 V	213	35.00	6.60
3	*5270.00	106.6 PK			1.08 V	93	99.50	7.10
4	*5270.00	97.1 AV			1.08 V	93	90.00	7.10
5	5353.58	59.3 PK	74.0	-14.7	1.22 V	200	51.90	7.40
6	5353.58	51.3 AV	54.0	-2.7	1.22 V	200	43.90	7.40
7	#10540.00	53.2 PK	68.2	-15.0	1.00 V	206	40.00	13.20
8	15810.00	57.6 PK	74.0	-16.4	1.02 V	156	39.00	18.60
9	15810.00	46.7 AV	54.0	-7.3	1.02 V	156	28.10	18.60

REMARKS:

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

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	108.3 PK			1.40 H	246	101.00	7.30
2	*5310.00	100.0 AV			1.40 H	246	92.70	7.30
3	5393.78	62.0 PK	74.0	-12.0	1.69 H	245	54.30	7.70
4	5393.78	53.5 AV	54.0	-0.5	1.69 H	245	45.80	7.70
5	10620.00	51.3 PK	74.0	-22.7	1.05 H	195	37.80	13.50
6	10620.00	38.7 AV	54.0	-15.3	1.05 H	195	25.20	13.50
7	15930.00	59.1 PK	74.0	-14.9	1.00 H	243	40.50	18.60
8	15930.00	48.1 AV	54.0	-5.9	1.00 H	243	29.50	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	106.2 PK			1.10 V	97	98.90	7.30
2	*5310.00	96.9 AV			1.10 V	97	89.60	7.30
3	5393.78	59.2 PK	74.0	-14.8	1.13 V	205	51.50	7.70
4	5393.78	51.0 AV	54.0	-3.0	1.13 V	205	43.30	7.70
5	10620.00	53.6 PK	74.0	-20.4	1.05 V	216	40.10	13.50
6	10620.00	40.3 AV	54.0	-13.7	1.05 V	216	26.80	13.50
7	15930.00	57.1 PK	74.0	-16.9	1.00 V	150	38.50	18.60
8	15930.00	46.4 AV	54.0	-7.6	1.00 V	150	27.80	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5423.76	63.2 PK	74.0	-10.8	1.67 H	245	55.40	7.80
2	5423.76	53.8 AV	54.0	-0.2	1.67 H	245	46.00	7.80
3	#5470.00	67.8 PK	68.2	-0.4	1.67 H	245	60.00	7.80
4	*5510.00	109.5 PK			1.37 H	246	101.50	8.00
5	*5510.00	101.1 AV			1.37 H	246	93.10	8.00
6	11020.00	50.4 PK	74.0	-23.6	1.00 H	195	36.10	14.30
7	11020.00	38.2 AV	54.0	-15.8	1.00 H	195	23.90	14.30
8	#16530.00	58.7 PK	68.2	-9.5	1.00 H	219	37.70	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	59.8 PK	74.0	-14.2	1.14 V	204	52.00	7.80
2	5460.00	51.3 AV	54.0	-2.7	1.14 V	204	43.50	7.80
3	#5470.00	64.5 PK	68.2	-3.7	1.23 V	155	56.70	7.80
4	*5510.00	107.4 PK			1.11 V	128	99.40	8.00
5	*5510.00	98.0 AV			1.11 V	128	90.00	8.00
6	11020.00	53.3 PK	74.0	-20.7	1.00 V	222	39.00	14.30
7	11020.00	40.1 AV	54.0	-13.9	1.00 V	222	25.80	14.30
8	#16530.00	57.1 PK	68.2	-11.1	1.05 V	142	36.10	21.00

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5456.37	62.1 PK	74.0	-11.9	1.37 H	245	54.30	7.80
2	5456.37	53.8 AV	54.0	-0.2	1.37 H	245	46.00	7.80
3	*5550.00	110.2 PK			1.35 H	246	102.10	8.10
4	*5550.00	102.0 AV			1.35 H	246	93.90	8.10
5	11100.00	50.3 PK	74.0	-23.7	1.05 H	202	36.10	14.20
6	11100.00	38.0 AV	54.0	-16.0	1.05 H	202	23.80	14.20
7	#16650.00	58.4 PK	68.2	-9.8	1.00 H	223	37.40	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5456.37	58.9 PK	74.0	-15.1	1.08 V	217	51.10	7.80
2	5456.37	50.2 AV	54.0	-3.8	1.08 V	217	42.40	7.80
3	*5550.00	108.1 PK			1.10 V	131	100.00	8.10
4	*5550.00	98.9 AV			1.10 V	131	90.80	8.10
5	11100.00	53.3 PK	74.0	-20.7	1.00 V	226	39.10	14.20
6	11100.00	40.2 AV	54.0	-13.8	1.00 V	226	26.00	14.20
7	#16650.00	57.9 PK	68.2	-10.3	1.00 V	132	36.90	21.00

REMARKS:

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

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	111.9 PK			1.60 H	244	103.60	8.30
2	*5670.00	103.1 AV			1.60 H	244	94.80	8.30
3	#5747.50	67.6 PK	68.2	-0.6	1.62 H	266	59.20	8.40
4	11340.00	49.5 PK	74.0	-24.5	1.06 H	170	35.10	14.40
5	11340.00	37.4 AV	54.0	-16.6	1.06 H	170	23.00	14.40
6	#17010.00	58.0 PK	68.2	-10.2	1.00 H	234	36.50	21.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	109.8 PK			1.15 V	156	101.50	8.30
2	*5670.00	100.0 AV			1.15 V	156	91.70	8.30
3	#5725.00	64.2 PK	68.2	-4.0	1.20 V	149	55.80	8.40
4	11340.00	51.8 PK	74.0	-22.2	1.00 V	220	37.40	14.40
5	11340.00	39.1 AV	54.0	-14.9	1.00 V	220	24.70	14.40
6	#17010.00	57.8 PK	68.2	-10.4	1.06 V	129	36.30	21.50

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5710.00	114.0 PK			1.13 H	200	105.60	8.40
2	*5710.00	106.1 AV			1.13 H	200	97.70	8.40
3	#5874.69	65.2 PK	68.2	-3.0	1.54 H	258	56.40	8.80
4	11420.00	50.0 PK	74.0	-24.0	1.06 H	178	35.60	14.40
5	11420.00	37.7 AV	54.0	-16.3	1.06 H	178	23.30	14.40
6	#17130.00	58.1 PK	68.2	-10.1	1.01 H	232	36.20	21.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5710.00	111.9 PK			1.12 V	168	103.50	8.40
2	*5710.00	103.0 AV			1.12 V	168	94.60	8.40
3	#5870.00	61.5 PK	68.2	-6.7	1.15 V	218	52.70	8.80
4	11420.00	52.4 PK	74.0	-21.6	1.00 V	200	38.00	14.40
5	11420.00	39.6 AV	54.0	-14.4	1.00 V	200	25.20	14.40
6	#17130.00	57.5 PK	68.2	-10.7	1.00 V	120	35.60	21.90

REMARKS:

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

802.11ac (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	5142.80	64.0 PK	74.0	-10.0	1.02 H	192	57.40	6.60
2	5142.80	51.6 AV	54.0	-2.4	1.02 H	192	45.00	6.60
3	*5210.00	103.5 PK			1.07 H	230	96.40	7.10
4	*5210.00	95.3 AV			1.07 H	230	88.20	7.10
5	5357.87	56.9 PK	74.0	-17.1	1.06 H	231	49.40	7.50
6	5357.87	47.3 AV	54.0	-6.7	1.06 H	231	39.80	7.50
7	#10420.00	55.0 PK	68.2	-13.2	1.00 H	293	41.80	13.20
8	15630.00	59.8 PK	74.0	-14.2	1.13 H	328	41.20	18.60
9	15630.00	47.1 AV	54.0	-6.9	1.13 H	328	28.50	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5142.80	63.8 PK	74.0	-10.2	1.10 V	160	57.20	6.60
2	5142.80	51.4 AV	54.0	-2.6	1.10 V	160	44.80	6.60
3	*5210.00	103.2 PK			1.06 V	150	96.10	7.10
4	*5210.00	95.1 AV			1.06 V	150	88.00	7.10
5	5357.87	56.6 PK	74.0	-17.4	1.19 V	98	49.10	7.50
6	5357.87	47.1 AV	54.0	-6.9	1.19 V	98	39.60	7.50
7	#10420.00	54.8 PK	68.2	-13.4	1.10 V	235	41.60	13.20
8	15630.00	59.9 PK	74.0	-14.1	1.00 V	130	41.30	18.60
9	15630.00	47.5 AV	54.0	-6.5	1.00 V	130	28.90	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5141.33	54.1 PK	74.0	-19.9	1.18 H	243	47.50	6.60
2	5141.33	44.0 AV	54.0	-10.0	1.18 H	243	37.40	6.60
3	*5290.00	105.0 PK			1.40 H	248	97.70	7.30
4	*5290.00	96.8 AV			1.40 H	248	89.50	7.30
5	5353.80	65.4 PK	74.0	-8.6	1.39 H	243	58.00	7.40
6	5353.80	53.7 AV	54.0	-0.3	1.39 H	243	46.30	7.40
7	#10580.00	50.3 PK	68.2	-17.9	1.00 H	181	36.80	13.50
8	15870.00	58.0 PK	74.0	-16.0	1.06 H	233	39.40	18.60
9	15870.00	47.3 AV	54.0	-6.7	1.06 H	233	28.70	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5141.28	53.2 PK	74.0	-20.8	1.14 V	77	46.60	6.60
2	5141.28	43.4 AV	54.0	-10.6	1.14 V	77	36.80	6.60
3	*5290.00	102.9 PK			1.15 V	176	95.60	7.30
4	*5290.00	93.7 AV			1.15 V	176	86.40	7.30
5	5356.77	66.5 PK	74.0	-7.5	1.16 V	267	59.00	7.50
6	5356.77	51.0 AV	54.0	-3.0	1.16 V	267	43.50	7.50
7	#10580.00	51.8 PK	68.2	-16.4	1.00 V	210	38.30	13.50
8	15870.00	56.7 PK	74.0	-17.3	1.00 V	136	38.10	18.60
9	15870.00	46.4 AV	54.0	-7.6	1.00 V	136	27.80	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5456.37	66.9 PK	74.0	-7.1	1.36 H	244	59.10	7.80
2	5456.37	53.6 AV	54.0	-0.4	1.36 H	244	45.80	7.80
3	**#5466.31**	**68.1 PK**	**68.2**	**-0.1**	**1.36 H**	**244**	**60.30**	**7.80**
4	*5530.00	104.5 PK			1.37 H	246	96.40	8.10
5	*5530.00	96.3 AV			1.37 H	246	88.20	8.10
6	11060.00	49.9 PK	74.0	-24.1	1.02 H	145	35.60	14.30
7	11060.00	37.4 AV	54.0	-16.6	1.02 H	145	23.10	14.30
8	#16590.00	58.2 PK	68.2	-10.0	1.01 H	225	37.40	20.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5459.23	63.2 PK	74.0	-10.8	1.18 V	302	55.40	7.80
2	5459.23	50.4 AV	54.0	-3.6	1.18 V	302	42.60	7.80
3	#5466.31	64.2 PK	68.2	-4.0	1.00 V	216	56.40	7.80
4	*5530.00	102.4 PK			1.12 V	154	94.30	8.10
5	*5530.00	93.2 AV			1.12 V	154	85.10	8.10
6	11060.00	52.0 PK	74.0	-22.0	1.00 V	219	37.70	14.30
7	11060.00	39.2 AV	54.0	-14.8	1.00 V	219	24.90	14.30
8	#16590.00	56.2 PK	68.2	-12.0	1.03 V	120	35.40	20.80

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5690.00	111.3 PK			1.61 H	244	102.90	8.40
2	*5690.00	103.3 AV			1.61 H	244	94.90	8.40
3	#5827.21	67.3 PK	68.2	-0.9	1.61 H	259	58.60	8.70
4	11380.00	49.7 PK	74.0	-24.3	1.00 H	144	35.30	14.40
5	11380.00	37.5 AV	54.0	-16.5	1.00 H	144	23.10	14.40
6	#17070.00	57.2 PK	68.2	-11.0	1.00 H	215	35.50	21.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5690.00	109.2 PK			1.06 V	149	100.80	8.40
2	*5690.00	100.2 AV			1.06 V	149	91.80	8.40
3	#5825.00	64.5 PK	68.2	-3.7	1.20 V	320	55.90	8.60
4	11380.00	51.6 PK	74.0	-22.4	1.04 V	203	37.20	14.40
5	11380.00	38.7 AV	54.0	-15.3	1.04 V	203	24.30	14.40
6	#17070.00	55.4 PK	68.2	-12.8	1.01 V	116	33.70	21.70

REMARKS:

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

4.2.10 TEST RESULTS (MODE 5)

ABOVE 1GHz DATA

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	5101.08	57.9 PK	74.0	-16.1	1.11 H	233	51.40	6.50
2	5101.08	47.5 AV	54.0	-6.5	1.11 H	233	41.00	6.50
3	*5180.00	105.3 PK			1.12 H	184	98.30	7.00
4	*5180.00	95.6 AV			1.12 H	184	88.60	7.00
5	#10360.00	55.4 PK	68.2	-12.8	1.00 H	285	42.40	13.00
6	15540.00	60.6 PK	74.0	-13.4	1.01 H	341	41.90	18.70
7	15540.00	47.6 AV	54.0	-6.4	1.01 H	341	28.90	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5102.14	62.2 PK	74.0	-11.8	1.00 V	95	55.70	6.50
2	5102.14	50.6 AV	54.0	-3.4	1.00 V	95	44.10	6.50
3	*5180.00	109.5 PK			1.11 V	95	102.50	7.00
4	*5180.00	98.1 AV			1.11 V	95	91.10	7.00
5	#10360.00	54.2 PK	68.2	-14.0	1.05 V	228	41.20	13.00
6	15540.00	59.7 PK	74.0	-14.3	1.06 V	139	41.00	18.70
7	15540.00	47.4 AV	54.0	-6.6	1.06 V	139	28.70	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5113.43	59.3 PK	74.0	-14.7	1.02 H	165	52.70	6.60
2	5113.43	48.6 AV	54.0	-5.4	1.02 H	165	42.00	6.60
3	*5200.00	104.3 PK			1.12 H	194	97.20	7.10
4	*5200.00	95.1 AV			1.12 H	194	88.00	7.10
5	5362.10	56.3 PK	74.0	-17.7	1.10 H	162	48.60	7.70
6	5362.10	45.7 AV	54.0	-8.3	1.10 H	162	38.00	7.70
7	#10400.00	55.4 PK	68.2	-12.8	1.03 H	293	42.20	13.20
8	15600.00	60.5 PK	74.0	-13.5	1.02 H	331	41.80	18.70
9	15600.00	47.2 AV	54.0	-6.8	1.02 H	331	28.50	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5122.14	60.9 PK	74.0	-13.1	1.28 V	83	54.30	6.60
2	5122.14	49.1 AV	54.0	-4.9	1.28 V	83	42.50	6.60
3	*5200.00	108.6 PK			1.27 V	74	101.50	7.10
4	*5200.00	97.7 AV			1.27 V	74	90.60	7.10
5	5362.10	58.3 PK	74.0	-15.7	1.03 V	191	50.60	7.70
6	5362.10	46.6 AV	54.0	-7.4	1.03 V	191	38.90	7.70
7	#10400.00	53.8 PK	68.2	-14.4	1.05 V	239	40.60	13.20
8	15600.00	60.2 PK	74.0	-13.8	1.07 V	154	41.50	18.70
9	15600.00	47.7 AV	54.0	-6.3	1.07 V	154	29.00	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	104.2 PK			1.14 H	180	97.00	7.20
2	*5240.00	94.8 AV			1.14 H	180	87.60	7.20
3	5406.55	55.6 PK	74.0	-18.4	1.16 H	194	47.80	7.80
4	5406.55	46.2 AV	54.0	-7.8	1.16 H	194	38.40	7.80
5	#10480.00	55.0 PK	68.2	-13.2	1.09 H	292	41.90	13.10
6	15720.00	60.6 PK	74.0	-13.4	1.00 H	321	42.20	18.40
7	15720.00	47.0 AV	54.0	-7.0	1.00 H	321	28.60	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	108.9 PK			1.04 V	162	101.70	7.20
2	*5240.00	97.5 AV			1.04 V	162	90.30	7.20
3	5406.55	57.4 PK	74.0	-16.6	1.02 V	277	49.60	7.80
4	5406.55	47.0 AV	54.0	-7.0	1.02 V	277	39.20	7.80
5	#10480.00	54.1 PK	68.2	-14.1	1.03 V	238	41.00	13.10
6	15720.00	59.8 PK	74.0	-14.2	1.12 V	151	41.40	18.40
7	15720.00	47.2 AV	54.0	-6.8	1.12 V	151	28.80	18.40

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	110.7 PK			1.44 H	270	103.60	7.10
2	*5260.00	99.1 AV			1.44 H	270	92.00	7.10
3	5422.14	58.4 PK	74.0	-15.6	1.41 H	158	50.60	7.80
4	5422.14	48.7 AV	54.0	-5.3	1.41 H	158	40.90	7.80
5	#10520.00	54.8 PK	68.2	-13.4	1.00 H	251	41.60	13.20
6	15780.00	59.6 PK	74.0	-14.4	1.00 H	314	41.10	18.50
7	15780.00	47.2 AV	54.0	-6.8	1.00 H	314	28.70	18.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	111.0 PK			1.24 V	97	103.90	7.10
2	*5260.00	100.2 AV			1.24 V	97	93.10	7.10
3	5422.14	60.0 PK	74.0	-14.0	1.00 V	266	52.20	7.80
4	5422.14	49.8 AV	54.0	-4.2	1.00 V	266	42.00	7.80
5	#10520.00	54.6 PK	68.2	-13.6	1.01 V	229	41.40	13.20
6	15780.00	60.2 PK	74.0	-13.8	1.00 V	142	41.70	18.50
7	15780.00	47.2 AV	54.0	-6.8	1.00 V	142	28.70	18.50

REMARKS:

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

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	108.7 PK			1.31 H	247	101.40	7.30
2	*5300.00	99.5 AV			1.31 H	247	92.20	7.30
3	5386.55	60.2 PK	74.0	-13.8	1.43 H	202	52.50	7.70
4	5386.55	52.1 AV	54.0	-1.9	1.43 H	202	44.40	7.70
5	10600.00	54.4 PK	74.0	-19.6	1.04 H	253	40.90	13.50
6	10600.00	41.2 AV	54.0	-12.8	1.04 H	253	27.70	13.50
7	15900.00	59.4 PK	74.0	-14.6	1.00 H	285	40.80	18.60
8	15900.00	47.2 AV	54.0	-6.8	1.00 H	285	28.60	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	109.0 PK			1.01 V	162	101.70	7.30
2	*5300.00	100.6 AV			1.01 V	162	93.30	7.30
3	5386.55	61.8 PK	74.0	-12.2	1.00 V	165	54.10	7.70
4	5386.55	53.7 AV	54.0	-0.3	1.00 V	165	46.00	7.70
5	10600.00	53.7 PK	74.0	-20.3	1.00 V	212	40.20	13.50
6	10600.00	40.9 AV	54.0	-13.1	1.00 V	212	27.40	13.50
7	15900.00	60.5 PK	74.0	-13.5	1.00 V	128	41.90	18.60
8	15900.00	47.5 AV	54.0	-6.5	1.00 V	128	28.90	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	107.8 PK			1.30 H	233	100.40	7.40
2	*5320.00	98.4 AV			1.30 H	233	91.00	7.40
3	5406.62	58.7 PK	74.0	-15.3	1.34 H	198	50.90	7.80
4	5406.62	51.3 AV	54.0	-2.7	1.34 H	198	43.50	7.80
5	10640.00	53.7 PK	74.0	-20.3	1.03 H	246	40.10	13.60
6	10640.00	40.8 AV	54.0	-13.2	1.03 H	246	27.20	13.60
7	15960.00	58.8 PK	74.0	-15.2	1.02 H	280	40.20	18.60
8	15960.00	47.0 AV	54.0	-7.0	1.02 H	280	28.40	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	108.1 PK			1.03 V	178	100.70	7.40
2	*5320.00	99.5 AV			1.03 V	178	92.10	7.40
3	5406.62	62.5 PK	74.0	-11.5	1.02 V	194	54.70	7.80
4	5406.62	53.7 AV	54.0	-0.3	1.02 V	194	45.90	7.80
5	10640.00	53.7 PK	74.0	-20.3	1.03 V	216	40.10	13.60
6	10640.00	41.4 AV	54.0	-12.6	1.03 V	216	27.80	13.60
7	15960.00	60.3 PK	74.0	-13.7	1.01 V	133	41.70	18.60
8	15960.00	47.4 AV	54.0	-6.6	1.01 V	133	28.80	18.60

REMARKS:

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

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	5422.26	58.4 PK	74.0	-15.6	1.32 H	210	50.60	7.80
2	5422.26	51.5 AV	54.0	-2.5	1.32 H	210	43.70	7.80
3	#5470.00	51.3 PK	68.2	-16.9	1.23 H	112	43.50	7.80
4	*5500.00	110.5 PK			1.20 H	229	102.50	8.00
5	*5500.00	101.6 AV			1.20 H	229	93.60	8.00
6	11000.00	52.7 PK	74.0	-21.3	1.00 H	234	38.30	14.40
7	11000.00	40.0 AV	54.0	-14.0	1.00 H	234	25.60	14.40
8	#16500.00	58.3 PK	68.2	-9.9	1.04 H	272	37.30	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5420.97	63.9 PK	74.0	-10.1	1.04 V	277	56.10	7.80
2	5420.97	53.8 AV	54.0	-0.2	1.04 V	277	46.00	7.80
3	#5470.00	54.8 PK	68.2	-13.4	1.18 V	99	47.00	7.80
4	*5500.00	110.8 PK			1.00 V	190	102.80	8.00
5	*5500.00	102.7 AV			1.00 V	190	94.70	8.00
6	11000.00	53.1 PK	74.0	-20.9	1.00 V	191	38.70	14.40
7	11000.00	41.0 AV	54.0	-13.0	1.00 V	191	26.60	14.40
8	#16500.00	60.6 PK	68.2	-7.6	1.00 V	126	39.60	21.00

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5419.07	58.4 PK	74.0	-15.6	1.22 H	209	50.60	7.80
2	5419.07	51.5 AV	54.0	-2.5	1.22 H	209	43.70	7.80
3	*5580.00	113.1 PK			1.24 H	237	105.00	8.10
4	*5580.00	103.9 AV			1.24 H	237	95.80	8.10
5	#5746.50	61.2 PK	68.2	-7.0	1.15 H	90	52.80	8.40
6	11160.00	53.3 PK	74.0	-20.7	1.00 H	197	39.10	14.20
7	11160.00	40.3 AV	54.0	-13.7	1.00 H	197	26.10	14.20
8	#16740.00	58.2 PK	68.2	-10.0	1.00 H	267	37.10	21.10
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	5419.07	62.4 PK	74.0	-11.6	1.01 V	187	54.60	7.80
2	5419.07	53.8 AV	54.0	-0.2	1.01 V	187	46.00	7.80
3	*5580.00	113.4 PK			1.13 V	96	105.30	8.10
4	*5580.00	105.0 AV			1.13 V	96	96.90	8.10
5	#5746.50	63.7 PK	68.2	-4.5	1.02 V	43	55.30	8.40
6	11160.00	53.1 PK	74.0	-20.9	1.00 V	182	38.90	14.20
7	11160.00	41.1 AV	54.0	-12.9	1.00 V	182	26.90	14.20
8	#16740.00	60.0 PK	68.2	-8.2	1.00 V	107	38.90	21.10

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (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	110.3 PK			1.24 H	223	102.00	8.30
2	*5660.00	101.0 AV			1.24 H	223	92.70	8.30
3	#5741.07	63.2 PK	68.2	-5.0	1.03 H	149	54.80	8.40
4	11320.00	52.9 PK	74.0	-21.1	1.05 H	193	38.60	14.30
5	11320.00	39.8 AV	54.0	-14.2	1.05 H	193	25.50	14.30
6	#16980.00	58.7 PK	68.2	-9.5	1.06 H	277	37.20	21.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5660.00	110.6 PK			1.63 V	138	102.30	8.30
2	*5660.00	102.1 AV			1.63 V	138	93.80	8.30
3	#5741.07	67.6 PK	68.2	-0.6	1.61 V	135	59.20	8.40
4	11320.00	53.0 PK	74.0	-21.0	1.01 V	188	38.70	14.30
5	11320.00	40.9 AV	54.0	-13.1	1.01 V	188	26.60	14.30
6	#16980.00	60.2 PK	68.2	-8.0	1.00 V	111	38.70	21.50

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	112.5 PK			1.25 H	212	104.10	8.40
2	*5700.00	102.5 AV			1.25 H	212	94.10	8.40
3	#5777.85	64.1 PK	68.2	-4.1	1.28 H	205	55.60	8.50
4	11400.00	53.3 PK	74.0	-20.7	1.00 H	157	38.80	14.50
5	11400.00	40.1 AV	54.0	-13.9	1.00 H	157	25.60	14.50
6	#17100.00	57.8 PK	68.2	-10.4	1.00 H	287	36.00	21.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	112.8 PK			1.62 V	137	104.40	8.40
2	*5700.00	103.6 AV			1.62 V	137	95.20	8.40
3	#5773.41	67.8 PK	68.2	-0.4	1.60 V	135	59.40	8.40
4	11400.00	52.4 PK	74.0	-21.6	1.00 V	174	37.90	14.50
5	11400.00	40.5 AV	54.0	-13.5	1.00 V	174	26.00	14.50
6	#17100.00	60.3 PK	68.2	-7.9	1.00 V	106	38.50	21.80

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5720.00	114.3 PK			1.23 H	197	105.90	8.40
2	*5720.00	105.2 AV			1.23 H	197	96.80	8.40
3	#5877.89	63.2 PK	68.2	-5.0	1.23 H	34	54.30	8.90
4	11440.00	53.8 PK	74.0	-20.2	1.00 H	142	39.40	14.40
5	11440.00	40.3 AV	54.0	-13.7	1.00 H	142	25.90	14.40
6	#17160.00	56.7 PK	68.2	-11.5	1.00 H	292	34.70	22.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5720.00	114.6 PK			1.62 V	137	106.20	8.40
2	*5720.00	106.3 AV			1.62 V	137	97.90	8.40
3	#5877.93	66.2 PK	68.2	-2.0	1.62 V	34	57.30	8.90
4	11440.00	52.7 PK	74.0	-21.3	1.01 V	174	38.30	14.40
5	11440.00	40.8 AV	54.0	-13.2	1.01 V	174	26.40	14.40
6	#17160.00	60.0 PK	68.2	-8.2	1.03 V	119	38.00	22.00

REMARKS:

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

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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	5105.30	58.1 PK	74.0	-15.9	1.05 H	223	51.50	6.60
2	5105.30	46.1 AV	54.0	-7.9	1.05 H	223	39.50	6.60
3	*5190.00	100.8 PK			1.10 H	146	93.70	7.10
4	*5190.00	90.4 AV			1.10 H	146	83.30	7.10
5	#10380.00	54.9 PK	68.2	-13.3	1.15 H	293	41.70	13.20
6	15570.00	61.0 PK	74.0	-13.0	1.00 H	311	42.40	18.60
7	15570.00	47.1 AV	54.0	-6.9	1.00 H	311	28.50	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5105.30	59.5 PK	74.0	-14.5	1.00 V	95	52.90	6.60
2	5105.30	47.0 AV	54.0	-7.0	1.00 V	95	40.40	6.60
3	*5190.00	104.8 PK			1.00 V	104	97.70	7.10
4	*5190.00	93.0 AV			1.00 V	104	85.90	7.10
5	#10380.00	54.6 PK	68.2	-13.6	1.05 V	233	41.40	13.20
6	15570.00	60.3 PK	74.0	-13.7	1.06 V	167	41.70	18.60
7	15570.00	47.5 AV	54.0	-6.5	1.06 V	167	28.90	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5144.85	57.4 PK	74.0	-16.6	1.00 H	214	50.80	6.60
2	5144.85	46.2 AV	54.0	-7.8	1.00 H	214	39.60	6.60
3	*5230.00	102.0 PK			1.11 H	165	94.80	7.20
4	*5230.00	91.4 AV			1.11 H	165	84.20	7.20
5	5385.97	55.2 PK	74.0	-18.8	1.14 H	161	47.50	7.70
6	5385.97	44.5 AV	54.0	-9.5	1.14 H	161	36.80	7.70
7	#10460.00	55.5 PK	68.2	-12.7	1.14 H	303	42.30	13.20
8	15690.00	60.9 PK	74.0	-13.1	1.04 H	297	42.50	18.40
9	15690.00	46.7 AV	54.0	-7.3	1.04 H	297	28.30	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5144.85	58.5 PK	74.0	-15.5	1.27 V	95	51.90	6.60
2	5144.85	47.0 AV	54.0	-7.0	1.27 V	95	40.40	6.60
3	*5230.00	105.7 PK			1.00 V	104	98.50	7.20
4	*5230.00	93.7 AV			1.00 V	104	86.50	7.20
5	5385.97	56.2 PK	74.0	-17.8	1.02 V	184	48.50	7.70
6	5385.97	45.2 AV	54.0	-8.8	1.02 V	184	37.50	7.70
7	#10460.00	54.4 PK	68.2	-13.8	1.10 V	231	41.20	13.20
8	15690.00	60.0 PK	74.0	-14.0	1.07 V	167	41.60	18.40
9	15690.00	47.2 AV	54.0	-6.8	1.07 V	167	28.80	18.40

REMARKS:

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

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5106.55	52.3 PK	74.0	-21.7	1.31 H	143	45.70	6.60
2	5106.55	41.6 AV	54.0	-12.4	1.31 H	143	35.00	6.60
3	*5270.00	108.4 PK			1.27 H	179	101.30	7.10
4	*5270.00	98.8 AV			1.27 H	179	91.70	7.10
5	5353.51	59.3 PK	74.0	-14.7	1.16 H	115	51.90	7.40
6	5353.51	51.3 AV	54.0	-2.7	1.16 H	115	43.90	7.40
7	#10540.00	53.4 PK	68.2	-14.8	1.00 H	135	40.20	13.20
8	15810.00	56.5 PK	74.0	-17.5	1.00 H	292	37.90	18.60
9	15810.00	46.1 AV	54.0	-7.9	1.00 H	292	27.50	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5106.55	56.1 PK	74.0	-17.9	1.52 V	112	49.50	6.60
2	5106.55	46.7 AV	54.0	-7.3	1.52 V	112	40.10	6.60
3	*5270.00	108.7 PK			1.37 V	110	101.60	7.10
4	*5270.00	99.9 AV			1.37 V	110	92.80	7.10
5	5353.51	61.5 PK	74.0	-12.5	1.49 V	99	54.10	7.40
6	5353.51	53.6 AV	54.0	-0.4	1.49 V	99	46.20	7.40
7	#10540.00	52.5 PK	68.2	-15.7	1.01 V	187	39.30	13.20
8	15810.00	59.7 PK	74.0	-14.3	1.00 V	116	41.10	18.60
9	15810.00	46.9 AV	54.0	-7.1	1.00 V	116	28.30	18.60

REMARKS:

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

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	109.6 PK			1.26 H	185	102.30	7.30
2	*5310.00	99.8 AV			1.26 H	185	92.50	7.30
3	5394.41	60.3 PK	74.0	-13.7	1.22 H	108	52.60	7.70
4	5394.41	51.2 AV	54.0	-2.8	1.22 H	108	43.50	7.70
5	10620.00	53.1 PK	74.0	-20.9	1.00 H	128	39.60	13.50
6	10620.00	39.8 AV	54.0	-14.2	1.00 H	128	26.30	13.50
7	15930.00	56.5 PK	74.0	-17.5	1.00 H	298	37.90	18.60
8	15930.00	46.5 AV	54.0	-7.5	1.00 H	298	27.90	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	109.9 PK			1.35 V	97	102.60	7.30
2	*5310.00	100.9 AV			1.35 V	97	93.60	7.30
3	5394.41	64.1 PK	74.0	-9.9	1.33 V	98	56.40	7.70
4	5394.41	53.8 AV	54.0	-0.2	1.33 V	98	46.10	7.70
5	10620.00	51.0 PK	74.0	-23.0	1.00 V	151	37.50	13.50
6	10620.00	39.4 AV	54.0	-14.6	1.00 V	151	25.90	13.50
7	15930.00	59.2 PK	74.0	-14.8	1.02 V	101	40.60	18.60
8	15930.00	46.5 AV	54.0	-7.5	1.02 V	101	27.90	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5422.27	57.3 PK	74.0	-16.7	1.03 H	223	49.50	7.80
2	5422.27	49.4 AV	54.0	-4.6	1.03 H	223	41.60	7.80
3	#5470.00	64.6 PK	68.2	-3.6	1.14 H	146	56.80	7.80
4	*5510.00	106.7 PK			1.31 H	171	98.70	8.00
5	*5510.00	97.2 AV			1.31 H	171	89.20	8.00
6	11020.00	52.8 PK	74.0	-21.2	1.00 H	107	38.50	14.30
7	11020.00	39.7 AV	54.0	-14.3	1.00 H	107	25.40	14.30
8	#16530.00	56.2 PK	68.2	-12.0	1.00 H	263	35.20	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5433.50	59.9 PK	74.0	-14.1	1.10 V	182	52.10	7.80
2	5433.50	51.7 AV	54.0	-2.3	1.10 V	182	43.90	7.80
3	#5470.00	67.3 PK	68.2	-0.9	1.24 V	174	59.50	7.80
4	*5510.00	107.0 PK			1.10 V	182	99.00	8.00
5	*5510.00	98.3 AV			1.10 V	182	90.30	8.00
6	11020.00	50.3 PK	74.0	-23.7	1.03 V	150	36.00	14.30
7	11020.00	39.3 AV	54.0	-14.7	1.03 V	150	25.00	14.30
8	#16530.00	58.2 PK	68.2	-10.0	1.00 V	85	37.20	21.00

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	110.9 PK			1.27 H	165	102.80	8.10
2	*5550.00	101.8 AV			1.27 H	165	93.70	8.10
3	11100.00	53.2 PK	74.0	-20.8	1.00 H	110	39.00	14.20
4	11100.00	40.1 AV	54.0	-13.9	1.00 H	110	25.90	14.20
5	#16650.00	55.8 PK	68.2	-12.4	1.00 H	269	34.80	21.00
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5453.31	61.4 PK	74.0	-12.6	1.12 V	182	53.60	7.80
2	5453.31	53.5 AV	54.0	-0.5	1.12 V	182	45.70	7.80
3	*5550.00	111.2 PK			1.00 V	192	103.10	8.10
4	*5550.00	102.9 AV			1.00 V	192	94.80	8.10
5	11100.00	50.2 PK	74.0	-23.8	1.05 V	153	36.00	14.20
6	11100.00	39.3 AV	54.0	-14.7	1.05 V	153	25.10	14.20
7	#16650.00	58.2 PK	68.2	-10.0	1.02 V	91	37.20	21.00

REMARKS:

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

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	110.3 PK			1.27 H	152	102.00	8.30
2	*5670.00	101.2 AV			1.27 H	152	92.90	8.30
3	#5742.20	64.2 PK	68.2	-4.0	1.17 H	207	55.80	8.40
4	11340.00	52.6 PK	74.0	-21.4	1.00 H	116	38.20	14.40
5	11340.00	39.6 AV	54.0	-14.4	1.00 H	116	25.20	14.40
6	#17010.00	55.7 PK	68.2	-12.5	1.00 H	263	34.20	21.50
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	110.6 PK			1.49 V	136	102.30	8.30
2	*5670.00	102.3 AV			1.49 V	136	94.00	8.30
3	#5746.56	67.6 PK	68.2	-0.6	1.75 V	134	59.20	8.40
4	11340.00	49.9 PK	74.0	-24.1	1.00 V	145	35.50	14.40
5	11340.00	38.8 AV	54.0	-15.2	1.00 V	145	24.40	14.40
6	#17010.00	57.7 PK	68.2	-10.5	1.00 V	93	36.20	21.50

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5710.00	111.7 PK			1.22 H	153	103.30	8.40
2	*5710.00	102.2 AV			1.22 H	153	93.80	8.40
3	#5873.61	60.3 PK	68.2	-7.9	1.37 H	219	51.50	8.80
4	11420.00	52.3 PK	74.0	-21.7	1.00 H	122	37.90	14.40
5	11420.00	39.4 AV	54.0	-14.6	1.00 H	122	25.00	14.40
6	#17130.00	55.7 PK	68.2	-12.5	1.00 H	248	33.80	21.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5710.00	112.0 PK			1.62 V	136	103.60	8.40
2	*5710.00	103.3 AV			1.62 V	136	94.90	8.40
3	#5873.61	63.4 PK	68.2	-4.8	1.48 V	35	54.60	8.80
4	11420.00	49.7 PK	74.0	-24.3	1.00 V	146	35.30	14.40
5	11420.00	38.8 AV	54.0	-15.2	1.00 V	146	24.40	14.40
6	#17130.00	57.1 PK	68.2	-11.1	1.00 V	93	35.20	21.90

REMARKS:

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

802.11ac (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	61.6 PK	74.0	-12.4	1.22 H	142	54.90	6.70
2	5150.00	46.5 AV	54.0	-7.5	1.22 H	142	39.80	6.70
3	*5210.00	99.3 PK			1.25 H	138	92.20	7.10
4	*5210.00	89.1 AV			1.25 H	138	82.00	7.10
5	5353.69	53.5 PK	74.0	-20.5	1.08 H	208	46.10	7.40
6	5353.69	42.1 AV	54.0	-11.9	1.08 H	208	34.70	7.40
7	#10420.00	55.2 PK	68.2	-13.0	1.14 H	289	42.00	13.20
8	15630.00	60.4 PK	74.0	-13.6	1.10 H	282	41.80	18.60
9	15630.00	46.3 AV	54.0	-7.7	1.10 H	282	27.70	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	62.7 PK	74.0	-11.3	1.41 V	82	56.00	6.70
2	5150.00	47.2 AV	54.0	-6.8	1.41 V	82	40.50	6.70
3	*5210.00	102.7 PK			1.41 V	99	95.60	7.10
4	*5210.00	91.0 AV			1.41 V	99	83.90	7.10
5	5353.69	54.4 PK	74.0	-19.6	1.19 V	120	47.00	7.40
6	5353.69	42.6 AV	54.0	-11.4	1.19 V	120	35.20	7.40
7	#10420.00	54.0 PK	68.2	-14.2	1.11 V	244	40.80	13.20
8	15630.00	60.6 PK	74.0	-13.4	1.09 V	170	42.00	18.60
9	15630.00	47.6 AV	54.0	-6.4	1.09 V	170	29.00	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	53.8 PK	74.0	-20.2	1.13 H	65	47.10	6.70
2	5150.00	43.9 AV	54.0	-10.1	1.13 H	65	37.20	6.70
3	*5290.00	105.0 PK			1.18 H	142	97.70	7.30
4	*5290.00	94.3 AV			1.18 H	142	87.00	7.30
5	5350.00	66.4 PK	74.0	-7.6	1.17 H	267	59.00	7.40
6	5350.00	51.1 AV	54.0	-2.9	1.17 H	267	43.70	7.40
7	#10580.00	52.8 PK	68.2	-15.4	1.06 H	129	39.30	13.50
8	15870.00	54.9 PK	74.0	-19.1	1.06 H	254	36.30	18.60
9	15870.00	45.1 AV	54.0	-8.9	1.06 H	254	26.50	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	52.6 PK	74.0	-21.4	1.06 V	183	45.90	6.70
2	5150.00	44.0 AV	54.0	-10.0	1.06 V	183	37.30	6.70
3	*5290.00	105.3 PK			1.06 V	265	98.00	7.30
4	*5290.00	95.4 AV			1.06 V	265	88.10	7.30
5	5350.00	67.5 PK	74.0	-6.5	1.05 V	265	60.10	7.40
6	5350.00	53.4 AV	54.0	-0.6	1.05 V	265	46.00	7.40
7	#10580.00	49.8 PK	68.2	-18.4	1.00 V	129	36.30	13.50
8	15870.00	56.5 PK	74.0	-17.5	1.00 V	67	37.90	18.60
9	15870.00	45.4 AV	54.0	-8.6	1.00 V	67	26.80	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	61.4 PK	74.0	-12.6	1.15 H	113	53.60	7.80
2	5460.00	48.2 AV	54.0	-5.8	1.15 H	113	40.40	7.80
3	#5470.00	64.0 PK	68.2	-4.2	1.04 H	115	56.20	7.80
4	*5530.00	102.6 PK			1.15 H	157	94.50	8.10
5	*5530.00	93.2 AV			1.15 H	157	85.10	8.10
6	11060.00	52.5 PK	74.0	-21.5	1.03 H	134	38.20	14.30
7	11060.00	39.4 AV	54.0	-14.6	1.03 H	134	25.10	14.30
8	#16590.00	54.3 PK	68.2	-13.9	1.09 H	263	33.50	20.80
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	64.6 PK	74.0	-9.4	1.20 V	69	56.80	7.80
2	5460.00	50.9 AV	54.0	-3.1	1.20 V	69	43.10	7.80
3	#5470.00	67.9 PK	68.2	-0.3	1.20 V	69	60.10	7.80
4	*5530.00	102.9 PK			1.20 V	163	94.80	8.10
5	*5530.00	94.3 AV			1.20 V	163	86.20	8.10
6	11060.00	49.3 PK	74.0	-24.7	1.01 V	115	35.00	14.30
7	11060.00	38.2 AV	54.0	-15.8	1.01 V	115	23.90	14.30
8	#16590.00	56.8 PK	68.2	-11.4	1.00 V	58	36.00	20.80

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5690.00	107.7 PK			1.10 H	157	99.30	8.40
2	*5690.00	97.7 AV			1.10 H	157	89.30	8.40
3	#5837.82	59.2 PK	68.2	-9.0	1.13 H	183	50.50	8.70
4	11380.00	52.2 PK	74.0	-21.8	1.06 H	142	37.80	14.40
5	11380.00	39.1 AV	54.0	-14.9	1.06 H	142	24.70	14.40
6	#17070.00	53.4 PK	68.2	-14.8	1.09 H	262	31.70	21.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5690.00	108.0 PK			1.20 V	190	99.60	8.40
2	*5690.00	98.8 AV			1.20 V	190	90.40	8.40
3	#5837.82	62.5 PK	68.2	-5.7	1.20 V	320	53.80	8.70
4	11380.00	49.4 PK	74.0	-24.6	1.02 V	112	35.00	14.40
5	11380.00	38.5 AV	54.0	-15.5	1.02 V	112	24.10	14.40
6	#17070.00	56.8 PK	68.2	-11.4	1.01 V	47	35.10	21.70

REMARKS:

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

4.2.11 TEST RESULTS (MODE 10)

BELOW 1GHz WORST-CASE DATA

802.11ac (VHT40)

CHANNEL	TX Channel 134	**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	30.01	34.9 QP	40.0	-5.1	1.85 H	221	49.23	-14.29
2	85.45	35.9 QP	40.0	-4.1	1.50 H	250	54.25	-18.38
3	528.30	40.7 QP	46.0	-5.4	1.25 H	250	47.03	-6.38
4	593.44	40.2 QP	46.0	-5.9	1.00 H	215	44.92	-4.77
5	741.80	42.8 QP	46.0	-3.2	1.66 H	259	44.72	-1.92
6	936.30	41.7 QP	46.0	-4.3	1.00 H	200	40.37	1.35
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	30.42	34.9 QP	40.0	-5.1	1.14 V	205	49.18	-14.30
2	64.52	31.4 QP	40.0	-8.7	1.25 V	255	45.43	-14.08
3	115.84	38.7 QP	43.5	-4.9	1.25 V	190	53.74	-15.09
4	299.69	41.5 QP	46.0	-4.6	1.25 V	200	53.17	-11.72
5	624.02	42.6 QP	46.0	-3.4	1.35 V	148	46.69	-4.09
6	741.77	43.0 QP	46.0	-3.0	1.25 V	186	44.96	-1.92

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

ABOVE 1GHz DATA

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	5098.15	60.6 PK	74.0	-13.4	1.01 H	195	54.10	6.50
2	5098.15	51.4 AV	54.0	-2.6	1.01 H	195	44.90	6.50
3	*5180.00	108.3 PK			1.00 H	201	101.30	7.00
4	*5180.00	100.2 AV			1.00 H	201	93.20	7.00
5	#10360.00	54.8 PK	68.2	-13.4	1.00 H	258	41.80	13.00
6	15540.00	59.9 PK	74.0	-14.1	1.00 H	325	41.20	18.70
7	15540.00	47.4 AV	54.0	-6.6	1.00 H	325	28.70	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5100.81	59.9 PK	74.0	-14.1	1.00 V	95	53.40	6.50
2	5100.81	49.9 AV	54.0	-4.1	1.00 V	95	43.40	6.50
3	*5180.00	107.9 PK			1.00 V	95	100.90	7.00
4	*5180.00	99.1 AV			1.00 V	95	92.10	7.00
5	#10360.00	54.6 PK	68.2	-13.6	1.00 V	221	41.60	13.00
6	15540.00	59.8 PK	74.0	-14.2	1.00 V	148	41.10	18.70
7	15540.00	47.3 AV	54.0	-6.7	1.00 V	148	28.60	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5117.00	59.6 PK	74.0	-14.4	1.02 H	191	53.00	6.60
2	5117.00	49.8 AV	54.0	-4.2	1.02 H	191	43.20	6.60
3	*5200.00	108.5 PK			1.00 H	201	101.40	7.10
4	*5200.00	98.9 AV			1.00 H	201	91.80	7.10
5	5358.00	60.0 PK	74.0	-14.0	1.00 H	206	52.50	7.50
6	5358.00	50.4 AV	54.0	-3.6	1.00 H	206	42.90	7.50
7	#10400.00	54.3 PK	68.2	-13.9	1.00 H	261	41.10	13.20
8	15600.00	59.7 PK	74.0	-14.3	1.05 H	326	41.00	18.70
9	15600.00	47.2 AV	54.0	-6.8	1.05 H	326	28.50	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5117.00	57.8 PK	74.0	-16.2	1.68 V	144	51.20	6.60
2	5117.00	47.1 AV	54.0	-6.9	1.68 V	144	40.50	6.60
3	*5200.00	105.4 PK			1.01 V	172	98.30	7.10
4	*5200.00	96.5 AV			1.01 V	172	89.40	7.10
5	5358.00	57.0 PK	74.0	-17.0	1.58 V	145	49.50	7.50
6	5358.00	47.3 AV	54.0	-6.7	1.58 V	145	39.80	7.50
7	#10400.00	54.6 PK	68.2	-13.6	1.00 V	225	41.40	13.20
8	15600.00	60.0 PK	74.0	-14.0	1.04 V	141	41.30	18.70
9	15600.00	47.5 AV	54.0	-6.5	1.04 V	141	28.80	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	108.5 PK			1.00 H	198	101.30	7.20
2	*5240.00	100.0 AV			1.00 H	198	92.80	7.20
3	5398.49	59.7 PK	74.0	-14.3	1.40 H	240	51.90	7.80
4	5398.49	52.2 AV	54.0	-1.8	1.40 H	240	44.40	7.80
5	#10480.00	54.5 PK	68.2	-13.7	1.04 H	276	41.40	13.10
6	15720.00	59.9 PK	74.0	-14.1	1.00 H	326	41.50	18.40
7	15720.00	47.5 AV	54.0	-6.5	1.00 H	326	29.10	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	108.1 PK			1.00 V	62	100.90	7.20
2	*5240.00	99.2 AV			1.00 V	62	92.00	7.20
3	5350.00	59.6 PK	74.0	-14.4	1.25 V	163	52.20	7.40
4	5350.00	50.0 AV	54.0	-4.0	1.25 V	163	42.60	7.40
5	#10480.00	54.7 PK	68.2	-13.5	1.00 V	238	41.60	13.10
6	15720.00	60.0 PK	74.0	-14.0	1.02 V	156	41.60	18.40
7	15720.00	47.7 AV	54.0	-6.3	1.02 V	156	29.30	18.40

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	108.5 PK			1.72 H	244	67.71	40.79
2	*5260.00	100.1 AV			1.72 H	244	59.31	40.79
3	5418.69	61.6 PK	74.0	-12.4	1.37 H	243	20.56	41.04
4	5418.69	53.5 AV	54.0	-0.5	1.37 H	243	12.46	41.04
5	#10520.00	54.8 PK	68.2	-13.4	1.00 H	258	7.94	46.86
6	15780.00	59.9 PK	74.0	-14.1	1.00 H	325	8.46	51.44
7	15780.00	47.4 AV	54.0	-6.6	1.00 H	325	-4.04	51.44
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	106.4 PK			1.00 V	181	65.61	40.79
2	*5260.00	98.0 AV			1.00 V	181	57.21	40.79
3	5418.69	58.4 PK	74.0	-15.6	1.17 V	182	17.36	41.04
4	5418.69	50.6 AV	54.0	-3.4	1.17 V	182	9.56	41.04
5	#10520.00	54.6 PK	68.2	-13.6	1.00 V	221	7.74	46.86
6	15780.00	59.8 PK	74.0	-14.2	1.00 V	148	8.36	51.44
7	15780.00	47.3 AV	54.0	-6.7	1.00 V	148	-4.14	51.44

REMARKS:

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

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	107.9 PK			1.41 H	251	67.04	40.86
2	*5300.00	98.9 AV			1.41 H	251	58.04	40.86
3	5378.71	60.0 PK	74.0	-14.0	1.40 H	245	19.03	40.97
4	5378.71	53.5 AV	54.0	-0.5	1.40 H	245	12.53	40.97
5	#5461.26	60.4 PK	68.2	-7.8	1.40 H	244	19.28	41.12
6	10600.00	54.8 PK	74.0	-19.2	1.00 H	253	7.74	47.06
7	10600.00	40.9 AV	54.0	-13.1	1.00 H	253	-6.16	47.06
8	15900.00	60.0 PK	74.0	-14.0	1.00 H	329	8.45	51.55
9	15900.00	47.5 AV	54.0	-6.5	1.00 H	329	-4.05	51.55
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	*5300.00	105.0 PK			1.02 V	189	64.14	40.86
2	*5300.00	95.9 AV			1.02 V	189	55.04	40.86
3	5378.71	57.5 PK	74.0	-16.5	1.17 V	182	16.53	40.97
4	5378.71	50.9 AV	54.0	-3.1	1.17 V	182	9.93	40.97
5	#5461.26	57.2 PK	68.2	-11.0	1.02 V	118	16.08	41.12
6	10600.00	54.7 PK	74.0	-19.3	1.03 V	204	7.64	47.06
7	10600.00	40.8 AV	54.0	-13.2	1.03 V	204	-6.26	47.06
8	15900.00	59.0 PK	74.0	-15.0	1.00 V	161	7.45	51.55
9	15900.00	46.8 AV	54.0	-7.2	1.00 V	161	-4.75	51.55

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	106.7 PK			1.72 H	244	65.81	40.89
2	*5320.00	98.9 AV			1.72 H	244	58.01	40.89
3	5398.51	61.5 PK	74.0	-12.5	1.39 H	241	20.49	41.01
4	5398.51	53.2 AV	54.0	-0.8	1.39 H	241	12.19	41.01
5	#5478.87	59.7 PK	68.2	-8.5	1.65 H	247	18.54	41.16
6	10640.00	54.5 PK	74.0	-19.5	1.00 H	249	7.46	47.04
7	10640.00	40.6 AV	54.0	-13.4	1.00 H	249	-6.44	47.04
8	15960.00	59.3 PK	74.0	-14.7	1.02 H	304	7.77	51.53
9	15960.00	47.0 AV	54.0	-7.0	1.02 H	304	-4.53	51.53
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	103.8 PK			1.07 V	159	62.91	40.89
2	*5320.00	95.7 AV			1.07 V	159	54.81	40.89
3	5350.00	58.1 PK	74.0	-15.9	1.14 V	174	17.16	40.94
4	5350.00	49.9 AV	54.0	-4.1	1.14 V	174	8.96	40.94
5	#5478.87	56.7 PK	68.2	-11.5	1.02 V	112	15.54	41.16
6	10640.00	54.7 PK	74.0	-19.3	1.00 V	199	7.66	47.04
7	10640.00	40.8 AV	54.0	-13.2	1.00 V	199	-6.24	47.04
8	15960.00	58.6 PK	74.0	-15.4	1.05 V	153	7.07	51.53
9	15960.00	46.5 AV	54.0	-7.5	1.05 V	153	-5.03	51.53

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5418.81	61.4 PK	74.0	-12.6	1.66 H	247	20.36	41.04
2	5418.81	53.7 AV	54.0	-0.3	1.66 H	247	12.66	41.04
3	#5470.00	54.2 PK	68.2	-14.0	1.64 H	247	13.06	41.14
4	*5500.00	109.2 PK			1.38 H	246	68.00	41.20
5	*5500.00	100.8 AV			1.38 H	246	59.60	41.20
6	#5578.79	63.6 PK	68.2	-4.6	1.64 H	247	22.28	41.32
7	11000.00	53.6 PK	74.0	-20.4	1.00 H	249	6.19	47.41
8	11000.00	39.8 AV	54.0	-14.2	1.00 H	249	-7.61	47.41
9	#16500.00	59.0 PK	68.2	-9.2	1.02 H	306	6.04	52.96
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	5460.00	58.4 PK	74.0	-15.6	1.04 V	160	17.28	41.12
2	5460.00	50.5 AV	54.0	-3.5	1.04 V	160	9.38	41.12
3	#5470.00	51.3 PK	68.2	-16.9	1.00 V	98	10.16	41.14
4	*5500.00	106.4 PK			1.00 V	171	65.20	41.20
5	*5500.00	97.9 AV			1.00 V	171	56.70	41.20
6	#5578.79	61.0 PK	68.2	-7.2	1.17 V	176	19.68	41.32
7	11000.00	54.3 PK	74.0	-19.7	1.00 V	198	6.89	47.41
8	11000.00	40.3 AV	54.0	-13.7	1.00 V	198	-7.11	47.41
9	#16500.00	57.6 PK	68.2	-10.6	1.06 V	143	4.64	52.96

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5418.70	62.7 PK	74.0	-11.3	1.37 H	243	21.66	41.04
2	5418.70	53.7 AV	54.0	-0.3	1.37 H	243	12.66	41.04
3	*5580.00	114.7 PK			1.65 H	247	73.38	41.32
4	*5580.00	107.0 AV			1.65 H	247	65.68	41.32
5	#5742.49	66.4 PK	68.2	-1.8	1.63 H	268	24.91	41.49
6	11160.00	52.9 PK	74.0	-21.1	1.00 H	225	5.80	47.10
7	11160.00	39.4 AV	54.0	-14.6	1.00 H	225	-7.70	47.10
8	#16740.00	58.0 PK	68.2	-10.2	1.06 H	309	4.43	53.57
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5418.70	60.1 PK	74.0	-13.9	1.04 V	170	19.06	41.04
2	5418.70	51.2 AV	54.0	-2.8	1.04 V	170	10.16	41.04
3	*5580.00	111.7 PK			1.00 V	145	70.38	41.32
4	*5580.00	104.3 AV			1.00 V	145	62.98	41.32
5	#5742.49	63.0 PK	68.2	-5.2	1.05 V	66	21.51	41.49
6	11160.00	54.0 PK	74.0	-20.0	1.00 V	195	6.90	47.10
7	11160.00	40.1 AV	54.0	-13.9	1.00 V	195	-7.00	47.10
8	#16740.00	57.6 PK	68.2	-10.6	1.09 V	158	4.03	53.57

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (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	113.4 PK			1.59 H	242	71.98	41.42
2	*5660.00	105.7 AV			1.59 H	242	64.28	41.42
3	#5742.30	67.9 PK	68.2	-0.3	1.58 H	267	26.41	41.49
4	11320.00	52.2 PK	74.0	-21.8	1.00 H	233	5.11	47.09
5	11320.00	38.7 AV	54.0	-15.3	1.00 H	233	-8.39	47.09
6	#16980.00	57.4 PK	68.2	-10.8	1.05 H	272	3.22	54.18
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	110.8 PK			1.00 V	123	69.38	41.42
2	*5660.00	103.0 AV			1.00 V	123	61.58	41.42
3	#5742.30	65.4 PK	68.2	-2.8	1.05 V	50	23.91	41.49
4	11320.00	53.4 PK	74.0	-20.6	1.00 V	181	6.31	47.09
5	11320.00	39.6 AV	54.0	-14.4	1.00 V	181	-7.49	47.09
6	#16980.00	56.4 PK	68.2	-11.8	1.13 V	147	2.22	54.18

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	113.5 PK			1.34 H	243	72.05	41.45
2	*5700.00	105.8 AV			1.34 H	243	64.35	41.45
3	#5777.40	67.2 PK	68.2	-1.0	1.59 H	271	25.67	41.53
4	11400.00	51.8 PK	74.0	-22.2	1.02 H	242	4.71	47.09
5	11400.00	38.2 AV	54.0	-15.8	1.02 H	242	-8.89	47.09
6	#17100.00	57.0 PK	68.2	-11.2	1.09 H	268	2.64	54.36
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	110.5 PK			1.00 V	115	69.05	41.45
2	*5700.00	102.8 AV			1.00 V	115	61.35	41.45
3	#5725.00	63.8 PK	68.2	-4.4	1.03 V	47	22.32	41.48
4	11400.00	53.9 PK	74.0	-20.1	1.02 V	191	6.81	47.09
5	11400.00	40.1 AV	54.0	-13.9	1.02 V	191	-6.99	47.09
6	#17100.00	55.8 PK	68.2	-12.4	1.07 V	146	1.44	54.36

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5720.00	116.0 PK			1.61 H	243	74.52	41.48
2	*5720.00	105.6 AV			1.61 H	243	64.12	41.48
3	#5825.00	66.6 PK	68.2	-1.6	1.30 H	260	24.98	41.62
4	11440.00	51.5 PK	74.0	-22.5	1.08 H	220	4.39	47.11
5	11440.00	37.9 AV	54.0	-16.1	1.08 H	220	-9.21	47.11
6	#17160.00	57.5 PK	68.2	-10.7	1.11 H	257	2.90	54.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5720.00	112.9 PK			1.03 V	110	71.42	41.48
2	*5720.00	102.6 AV			1.03 V	110	61.12	41.48
3	#5825.00	62.9 PK	68.2	-5.3	1.00 V	62	21.28	41.62
4	11440.00	53.6 PK	74.0	-20.4	1.00 V	196	6.49	47.11
5	11440.00	39.8 AV	54.0	-14.2	1.00 V	196	-7.31	47.11
6	#17160.00	56.1 PK	68.2	-12.1	1.01 V	138	1.50	54.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5115.80	56.8 PK	74.0	-17.2	1.46 H	242	50.20	6.60
2	5115.80	49.1 AV	54.0	-4.9	1.46 H	242	42.50	6.60
3	*5190.00	106.9 PK			1.46 H	239	99.80	7.10
4	*5190.00	97.9 AV			1.46 H	239	90.80	7.10
5	5353.46	58.7 PK	74.0	-15.3	1.39 H	243	51.30	7.40
6	5353.46	50.8 AV	54.0	-3.2	1.39 H	243	43.40	7.40
7	#10380.00	54.9 PK	68.2	-13.3	1.02 H	290	41.70	13.20
8	15570.00	60.0 PK	74.0	-14.0	1.04 H	327	41.40	18.60
9	15570.00	47.6 AV	54.0	-6.4	1.04 H	327	29.00	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5113.88	57.5 PK	74.0	-16.5	1.49 V	346	50.90	6.60
2	5113.88	48.1 AV	54.0	-5.9	1.49 V	346	41.50	6.60
3	*5190.00	105.9 PK			1.49 V	336	98.80	7.10
4	*5190.00	97.1 AV			1.49 V	336	90.00	7.10
5	#10380.00	54.2 PK	68.2	-14.0	1.03 V	227	41.00	13.20
6	15570.00	60.5 PK	74.0	-13.5	1.07 V	151	41.90	18.60
7	15570.00	48.0 AV	54.0	-6.0	1.07 V	151	29.40	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	107.4 PK			1.42 H	247	100.20	7.20
2	*5230.00	98.9 AV			1.42 H	247	91.70	7.20
3	5393.62	59.5 PK	74.0	-14.5	1.38 H	244	51.80	7.70
4	5393.62	51.6 AV	54.0	-2.4	1.38 H	244	43.90	7.70
5	#10460.00	55.4 PK	68.2	-12.8	1.00 H	294	42.20	13.20
6	15690.00	60.0 PK	74.0	-14.0	1.03 H	326	41.60	18.40
7	15690.00	47.4 AV	54.0	-6.6	1.03 H	326	29.00	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5144.60	56.0 PK	74.0	-18.0	1.24 V	100	49.40	6.60
2	5144.60	46.6 AV	54.0	-7.4	1.24 V	100	40.00	6.60
3	*5230.00	105.2 PK			1.63 V	101	98.00	7.20
4	*5230.00	96.5 AV			1.63 V	101	89.30	7.20
5	5350.00	54.5 PK	74.0	-19.5	1.24 V	220	47.10	7.40
6	5350.00	43.6 AV	54.0	-10.4	1.24 V	220	36.20	7.40
7	#10460.00	54.3 PK	68.2	-13.9	1.03 V	235	41.10	13.20
8	15690.00	60.9 PK	74.0	-13.1	1.03 V	165	42.50	18.40
9	15690.00	48.4 AV	54.0	-5.6	1.03 V	165	30.00	18.40

REMARKS:

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

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5106.13	54.4 PK	74.0	-19.6	1.72 H	244	13.94	40.46
2	5106.13	45.0 AV	54.0	-9.0	1.72 H	244	4.54	40.46
3	*5270.00	107.8 PK			1.39 H	250	67.00	40.80
4	*5270.00	99.6 AV			1.39 H	250	58.80	40.80
5	5353.74	60.7 PK	74.0	-13.3	1.37 H	248	19.76	40.94
6	5353.74	53.4 AV	54.0	-0.6	1.37 H	248	12.46	40.94
7	#10540.00	50.5 PK	68.2	-17.7	1.09 H	209	3.58	46.92
8	15810.00	57.8 PK	74.0	-16.2	1.09 H	245	6.31	51.49
9	15810.00	45.8 AV	54.0	-8.2	1.09 H	245	-5.69	51.49
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5106.13	51.6 PK	74.0	-22.4	1.08 V	55	11.14	40.46
2	5106.13	42.1 AV	54.0	-11.9	1.08 V	55	1.64	40.46
3	*5270.00	104.4 PK			1.01 V	104	63.60	40.80
4	*5270.00	96.4 AV			1.01 V	104	55.60	40.80
5	5353.74	57.8 PK	74.0	-16.2	1.05 V	41	16.86	40.94
6	5353.74	50.8 AV	54.0	-3.2	1.05 V	41	9.86	40.94
7	#10540.00	53.8 PK	68.2	-14.4	1.02 V	166	6.88	46.92
8	15810.00	55.8 PK	74.0	-18.2	1.05 V	124	4.31	51.49
9	15810.00	44.8 AV	54.0	-9.2	1.05 V	124	-6.69	51.49

REMARKS:

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

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	107.6 PK			1.39 H	250	66.73	40.87
2	*5310.00	99.0 AV			1.39 H	250	58.13	40.87
3	5350.00	61.5 PK	74.0	-12.5	1.38 H	243	20.56	40.94
4	5350.00	53.5 AV	54.0	-0.5	1.38 H	243	12.56	40.94
5	5393.56	59.8 PK	74.0	-14.2	1.35 H	248	18.80	41.00
6	5393.56	51.4 AV	54.0	-2.6	1.35 H	248	10.40	41.00
7	10620.00	50.3 PK	74.0	-23.7	1.05 H	207	3.26	47.04
8	10620.00	36.9 AV	54.0	-17.1	1.05 H	207	-10.14	47.04
9	15930.00	58.1 PK	74.0	-15.9	1.14 H	259	6.56	51.54
10	15930.00	46.0 AV	54.0	-8.0	1.14 H	259	-5.54	51.54
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	104.0 PK			1.01 V	117	63.13	40.87
2	*5310.00	95.6 AV			1.01 V	117	54.73	40.87
3	5350.00	58.0 PK	74.0	-16.0	1.09 V	55	17.06	40.94
4	5350.00	50.1 AV	54.0	-3.9	1.09 V	55	9.16	40.94
5	10620.00	53.6 PK	74.0	-20.4	1.00 V	177	6.56	47.04
6	10620.00	39.8 AV	54.0	-14.2	1.00 V	177	-7.24	47.04
7	15930.00	55.6 PK	74.0	-18.4	1.04 V	140	4.06	51.54
8	15930.00	44.5 AV	54.0	-9.5	1.04 V	140	-7.04	51.54

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5433.55	62.7 PK	74.0	-11.3	1.37 H	243	21.63	41.07
2	5433.55	53.6 AV	54.0	-0.4	1.37 H	243	12.53	41.07
3	#5470.00	65.7 PK	68.2	-2.5	1.37 H	241	24.56	41.14
4	*5510.00	109.4 PK			1.63 H	248	68.18	41.22
5	*5510.00	100.7 AV			1.63 H	248	59.48	41.22
6	11020.00	49.8 PK	74.0	-24.2	1.09 H	175	2.46	47.34
7	11020.00	36.9 AV	54.0	-17.1	1.09 H	175	-10.44	47.34
8	#16530.00	57.5 PK	68.2	-10.7	1.13 H	266	4.51	52.99
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	59.5 PK	74.0	-14.5	1.01 V	29	18.38	41.12
2	5460.00	50.6 AV	54.0	-3.4	1.01 V	29	9.48	41.12
3	#5470.00	63.5 PK	68.2	-4.7	1.01 V	49	22.36	41.14
4	*5510.00	106.6 PK			1.06 V	121	65.38	41.22
5	*5510.00	97.7 AV			1.06 V	121	56.48	41.22
6	11020.00	53.9 PK	74.0	-20.1	1.00 V	139	6.56	47.34
7	11020.00	40.1 AV	54.0	-13.9	1.00 V	139	-7.24	47.34
8	#16530.00	54.8 PK	68.2	-13.4	1.00 V	136	1.81	52.99

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5456.43	62.5 PK	74.0	-11.5	1.37 H	248	21.38	41.12
2	5456.43	53.7 AV	54.0	-0.3	1.37 H	248	12.58	41.12
3	*5550.00	109.8 PK			1.35 H	244	68.52	41.28
4	*5550.00	101.8 AV			1.35 H	244	60.52	41.28
5	#5726.18	64.0 PK	68.2	-4.2	1.34 H	245	22.52	41.48
6	11100.00	49.8 PK	74.0	-24.2	1.06 H	176	2.74	47.06
7	11100.00	36.6 AV	54.0	-17.4	1.06 H	176	-10.46	47.06
8	#16650.00	57.3 PK	68.2	-10.9	1.12 H	281	4.04	53.26
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5456.43	60.1 PK	74.0	-13.9	1.00 V	33	18.98	41.12
2	5456.43	51.1 AV	54.0	-2.9	1.00 V	33	9.98	41.12
3	*5550.00	106.5 PK			1.00 V	113	65.22	41.28
4	*5550.00	98.5 AV			1.00 V	113	57.22	41.28
5	#5726.18	60.8 PK	68.2	-7.4	1.00 V	40	19.32	41.48
6	11100.00	53.5 PK	74.0	-20.5	1.00 V	151	6.44	47.06
7	11100.00	39.9 AV	54.0	-14.1	1.00 V	151	-7.16	47.06
8	#16650.00	54.0 PK	68.2	-14.2	1.06 V	140	0.74	53.26

REMARKS:

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

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	111.2 PK			1.32 H	246	69.77	41.43
2	*5670.00	103.5 AV			1.32 H	246	62.07	41.43
3	#5747.40	66.3 PK	68.2	-1.9	1.58 H	269	24.80	41.50
4	11340.00	49.8 PK	74.0	-24.2	1.11 H	183	2.72	47.08
5	11340.00	36.7 AV	54.0	-17.3	1.11 H	183	-10.38	47.08
6	#17010.00	57.0 PK	68.2	-11.2	1.11 H	277	2.77	54.23
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	108.2 PK			1.02 V	104	66.77	41.43
2	*5670.00	100.5 AV			1.02 V	104	59.07	41.43
3	#5725.00	63.3 PK	68.2	-4.9	1.00 V	24	21.82	41.48
4	11340.00	52.7 PK	74.0	-21.3	1.05 V	139	5.62	47.08
5	11340.00	39.4 AV	54.0	-14.6	1.05 V	139	-7.68	47.08
6	#17010.00	54.4 PK	68.2	-13.8	1.04 V	139	0.17	54.23

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5710.00	112.7 PK			1.33 H	243	71.24	41.46
2	*5710.00	102.2 AV			1.33 H	243	60.74	41.46
3	#5870.00	65.6 PK	68.2	-2.6	1.57 H	267	23.87	41.73
4	11420.00	49.3 PK	74.0	-24.7	1.08 H	194	2.19	47.11
5	11420.00	36.3 AV	54.0	-17.7	1.08 H	194	-10.81	47.11
6	#17130.00	56.5 PK	68.2	-11.7	1.07 H	267	2.02	54.48
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5710.00	109.7 PK			1.03 V	103	68.24	41.46
2	*5710.00	99.2 AV			1.03 V	103	57.74	41.46
3	#5870.00	62.6 PK	68.2	-5.6	1.00 V	18	20.87	41.73
4	11420.00	52.5 PK	74.0	-21.5	1.00 V	127	5.39	47.11
5	11420.00	39.2 AV	54.0	-14.8	1.00 V	127	-7.91	47.11
6	#17130.00	54.4 PK	68.2	-13.8	1.09 V	129	-0.08	54.48

REMARKS:

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

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CHANNEL	TX Channel 42	**DETECTOR FUNCTION**	Peak (PK) 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	5142.00	59.7 PK	74.0	-14.3	1.00 H	191	53.10	6.60
2	5142.00	47.4 AV	54.0	-6.6	1.00 H	191	40.80	6.60
3	*5210.00	103.6 PK			1.00 H	203	96.50	7.10
4	*5210.00	93.0 AV			1.00 H	203	85.90	7.10
5	5363.00	56.2 PK	74.0	-17.8	1.00 H	205	48.50	7.70
6	5363.00	45.6 AV	54.0	-8.4	1.00 H	205	37.90	7.70
7	#10420.00	55.7 PK	68.2	-12.5	1.02 H	290	42.50	13.20
8	15630.00	60.1 PK	74.0	-13.9	1.00 H	311	41.50	18.60
9	15630.00	47.3 AV	54.0	-6.7	1.00 H	311	28.70	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5142.00	57.8 PK	74.0	-16.2	1.00 V	163	51.20	6.60
2	5142.00	43.7 AV	54.0	-10.3	1.00 V	163	37.10	6.60
3	*5210.00	101.2 PK			1.00 V	163	94.10	7.10
4	*5210.00	90.3 AV			1.00 V	163	83.20	7.10
5	5363.00	53.7 PK	74.0	-20.3	1.00 V	168	46.00	7.70
6	5363.00	42.8 AV	54.0	-11.2	1.00 V	168	35.10	7.70
7	#10420.00	53.9 PK	68.2	-14.3	1.01 V	244	40.70	13.20
8	15630.00	60.8 PK	74.0	-13.2	1.05 V	178	42.20	18.60
9	15630.00	48.3 AV	54.0	-5.7	1.05 V	178	29.70	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5145.95	64.4 PK	74.0	-9.6	1.43 H	247	23.84	40.56
2	5145.95	52.6 AV	54.0	-1.4	1.43 H	247	12.04	40.56
3	*5290.00	104.6 PK			1.38 H	247	63.76	40.84
4	*5290.00	96.5 AV			1.38 H	247	55.66	40.84
5	5353.85	66.5 PK	74.0	-7.5	1.38 H	249	25.56	40.94
6	5353.85	53.8 AV	54.0	-0.2	1.38 H	249	12.86	40.94
7	#5476.35	59.3 PK	68.2	-8.9	1.35 H	247	18.15	41.15
8	#10580.00	49.2 PK	68.2	-19.0	1.11 H	170	2.18	47.02
9	15870.00	55.7 PK	74.0	-18.3	1.05 H	279	4.17	51.53
10	15870.00	44.9 AV	54.0	-9.1	1.05 H	279	-6.63	51.53
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5145.95	61.4 PK	74.0	-12.6	1.08 V	61	20.84	40.56
2	5145.95	49.6 AV	54.0	-4.4	1.08 V	61	9.04	40.56
3	*5290.00	101.6 PK			1.00 V	84	60.76	40.84
4	*5290.00	93.5 AV			1.00 V	84	52.66	40.84
5	5353.85	63.5 PK	74.0	-10.5	1.02 V	53	22.56	40.94
6	5353.85	50.8 AV	54.0	-3.2	1.02 V	53	9.86	40.94
7	#5476.35	56.3 PK	68.2	-11.9	1.00 V	58	15.15	41.15
8	#10580.00	52.3 PK	68.2	-15.9	1.00 V	100	5.28	47.02
9	15870.00	53.2 PK	74.0	-20.8	1.11 V	113	1.67	51.53
10	15870.00	42.8 AV	54.0	-11.2	1.11 V	113	-8.73	51.53

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5456.37	65.8 PK	74.0	-8.2	1.37 H	249	24.68	41.12
2	5456.37	53.7 AV	54.0	-0.3	1.37 H	249	12.58	41.12
3	**#5466.31**	**68.1 PK**	**68.2**	**-0.1**	**1.37 H**	**249**	**26.96**	**41.14**
4	*5530.00	105.2 PK			1.35 H	250	63.96	41.24
5	*5530.00	97.3 AV			1.35 H	250	56.06	41.24
6	11060.00	48.8 PK	74.0	-25.2	1.02 H	156	1.60	47.20
7	11060.00	36.2 AV	54.0	-17.8	1.02 H	156	-11.00	47.20
8	#16590.00	55.6 PK	68.2	-12.6	1.00 H	263	2.53	53.07
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5459.23	64.0 PK	74.0	-10.0	1.40 V	137	22.88	41.12
2	5459.23	52.5 AV	54.0	-1.5	1.40 V	137	11.38	41.12
3	#5470.00	67.3 PK	68.2	-0.9	1.40 V	137	26.16	41.14
4	*5530.00	103.8 PK			1.49 V	136	62.56	41.24
5	*5530.00	95.5 AV			1.49 V	136	54.26	41.24
6	11060.00	52.0 PK	74.0	-22.0	1.00 V	115	4.80	47.20
7	11060.00	39.0 AV	54.0	-15.0	1.00 V	115	-8.20	47.20
8	#16590.00	52.9 PK	68.2	-15.3	1.14 V	115	-0.17	53.07

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5690.00	110.1 PK			1.64 H	243	68.66	41.44
2	*5690.00	99.0 AV			1.64 H	243	57.56	41.44
3	#5825.00	63.2 PK	68.2	-5.0	1.30 H	243	21.58	41.62
4	11380.00	49.0 PK	74.0	-25.0	1.00 H	132	1.92	47.08
5	11380.00	36.5 AV	54.0	-17.5	1.00 H	132	-10.58	47.08
6	#17070.00	55.1 PK	68.2	-13.1	1.00 H	249	0.78	54.32
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5690.00	107.1 PK			1.36 V	128	65.66	41.44
2	*5690.00	96.0 AV			1.36 V	128	54.56	41.44
3	#5825.00	60.2 PK	68.2	-8.0	1.00 V	28	18.58	41.62
4	11380.00	52.1 PK	74.0	-21.9	1.00 V	112	5.02	47.08
5	11380.00	39.0 AV	54.0	-15.0	1.00 V	112	-8.08	47.08
6	#17070.00	52.2 PK	68.2	-16.0	1.08 V	100	-2.12	54.32

REMARKS:

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

4.2.12 TEST RESULTS (MODE 11)

ABOVE 1GHz DATA

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	5098.78	59.1 PK	74.0	-14.9	1.34 H	228	52.60	6.50
2	5098.78	49.2 AV	54.0	-4.8	1.34 H	228	42.70	6.50
3	*5180.00	106.9 PK			1.45 H	228	99.90	7.00
4	*5180.00	97.3 AV			1.45 H	228	90.30	7.00
5	#10360.00	54.1 PK	68.2	-14.1	1.00 H	117	41.10	13.00
6	15540.00	59.8 PK	74.0	-14.2	1.00 H	215	41.10	18.70
7	15540.00	47.2 AV	54.0	-6.8	1.00 H	215	28.50	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	**FREQ. (MHz)**	**EMISSION LEVEL (dBuV/m)**	**LIMIT (dBuV/m)**	**MARGIN (dB)**	**ANTENNA HEIGHT (m)**	**TABLE ANGLE (Degree)**	**RAW VALUE (dBuV)**	**CORRECTION FACTOR (dB/m)**
1	5100.81	57.0 PK	74.0	-17.0	1.01 V	169	50.50	6.50
2	5100.81	45.4 AV	54.0	-8.6	1.01 V	169	38.90	6.50
3	*5180.00	104.5 PK			1.01 V	156	97.50	7.00
4	*5180.00	94.3 AV			1.01 V	156	87.30	7.00
5	#10360.00	54.2 PK	68.2	-14.0	1.00 V	221	41.20	13.00
6	15540.00	60.3 PK	74.0	-13.7	1.00 V	234	41.60	18.70
7	15540.00	47.3 AV	54.0	-6.7	1.00 V	234	28.60	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5117.86	60.2 PK	74.0	-13.8	1.46 H	229	53.60	6.60
2	5117.86	49.4 AV	54.0	-4.6	1.46 H	229	42.80	6.60
3	*5200.00	106.7 PK			1.44 H	227	99.60	7.10
4	*5200.00	97.6 AV			1.44 H	227	90.50	7.10
5	5362.16	60.2 PK	74.0	-13.8	1.36 H	267	52.50	7.70
6	5362.16	49.4 AV	54.0	-4.6	1.36 H	267	41.70	7.70
7	#10400.00	53.7 PK	68.2	-14.5	1.02 H	121	40.50	13.20
8	15600.00	60.0 PK	74.0	-14.0	1.00 H	205	41.30	18.70
9	15600.00	47.3 AV	54.0	-6.7	1.00 H	205	28.60	18.70
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5126.40	56.5 PK	74.0	-17.5	1.04 V	189	49.90	6.60
2	5126.40	46.6 AV	54.0	-7.4	1.04 V	189	40.00	6.60
3	*5200.00	105.0 PK			1.01 V	170	97.90	7.10
4	*5200.00	95.6 AV			1.01 V	170	88.50	7.10
5	5358.00	56.3 PK	74.0	-17.7	1.35 V	226	48.80	7.50
6	5358.00	45.7 AV	54.0	-8.3	1.35 V	226	38.20	7.50
7	#10400.00	54.7 PK	68.2	-13.5	1.00 V	235	41.50	13.20
8	15600.00	59.8 PK	74.0	-14.2	1.02 V	219	41.10	18.70
9	15600.00	47.0 AV	54.0	-7.0	1.02 V	219	28.30	18.70

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	108.9 PK			1.43 H	271	101.70	7.20
2	*5240.00	97.9 AV			1.43 H	271	90.70	7.20
3	5402.20	61.7 PK	74.0	-12.3	1.39 H	273	53.90	7.80
4	5402.20	50.1 AV	54.0	-3.9	1.39 H	273	42.30	7.80
5	#10480.00	53.8 PK	68.2	-14.4	1.00 H	123	40.70	13.10
6	15720.00	59.8 PK	74.0	-14.2	1.03 H	199	41.40	18.40
7	15720.00	47.2 AV	54.0	-6.8	1.03 H	199	28.80	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	105.9 PK			1.00 V	169	98.70	7.20
2	*5240.00	96.1 AV			1.00 V	169	88.90	7.20
3	5350.00	57.7 PK	74.0	-16.3	1.10 V	222	50.30	7.40
4	5350.00	46.4 AV	54.0	-7.6	1.10 V	222	39.00	7.40
5	#10480.00	55.1 PK	68.2	-13.1	1.06 V	246	42.00	13.10
6	15720.00	59.9 PK	74.0	-14.1	1.06 V	226	41.50	18.40
7	15720.00	47.1 AV	54.0	-6.9	1.06 V	226	28.70	18.40

REMARKS:

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

CHANNEL	TX Channel 52	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5260.00	109.7 PK			1.00 H	191	102.52	7.18
2	*5260.00	98.9 AV			1.00 H	191	91.72	7.18
3	5418.69	63.3 PK	74.0	-10.7	1.74 H	235	55.54	7.76
4	5418.69	53.5 AV	54.0	-0.5	1.74 H	235	45.74	7.76
5	#10520.00	54.2 PK	68.2	-14.0	1.01 H	255	40.98	13.22
6	15780.00	59.1 PK	74.0	-14.9	1.00 H	319	40.59	18.51
7	15780.00	46.7 AV	54.0	-7.3	1.00 H	319	28.19	18.51
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	105.9 PK			1.00 V	74	98.72	7.18
2	*5260.00	95.5 AV			1.00 V	74	88.32	7.18
3	5418.69	58.8 PK	74.0	-15.2	1.21 V	105	51.04	7.76
4	5418.69	48.1 AV	54.0	-5.9	1.21 V	105	40.34	7.76
5	#10520.00	54.4 PK	68.2	-13.8	1.00 V	226	41.18	13.22
6	15780.00	59.6 PK	74.0	-14.4	1.01 V	141	41.09	18.51
7	15780.00	47.1 AV	54.0	-6.9	1.01 V	141	28.59	18.51

REMARKS:

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

CHANNEL	TX Channel 60	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5300.00	111.1 PK			1.00 H	192	103.81	7.29
2	*5300.00	101.1 AV			1.00 H	192	93.81	7.29
3	5378.71	63.2 PK	74.0	-10.8	1.00 H	192	55.58	7.62
4	5378.71	53.4 AV	54.0	-0.6	1.00 H	192	45.78	7.62
5	#5461.26	64.8 PK	68.2	-3.4	1.73 H	232	56.89	7.91
6	10600.00	54.4 PK	74.0	-19.6	1.04 H	231	40.87	13.53
7	10600.00	41.2 AV	54.0	-12.8	1.04 H	231	27.67	13.53
8	15900.00	58.5 PK	74.0	-15.5	1.01 H	316	39.85	18.65
9	15900.00	46.4 AV	54.0	-7.6	1.01 H	316	27.75	18.65
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	107.3 PK			1.02 V	80	100.01	7.29
2	*5300.00	97.7 AV			1.02 V	80	90.41	7.29
3	#5461.26	53.4 PK	68.2	-14.8	1.00 V	116	45.49	7.91
4	10600.00	53.4 PK	74.0	-20.6	1.00 V	229	39.87	13.53
5	10600.00	40.0 AV	54.0	-14.0	1.00 V	229	26.47	13.53
6	15900.00	59.1 PK	74.0	-14.9	1.00 V	142	40.45	18.65
7	15900.00	46.8 AV	54.0	-7.2	1.00 V	142	28.15	18.65

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
5. " * ": Fundamental frequency.
6. " # ": The radiated frequency is out of the restricted band.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	108.7 PK			1.00 H	191	101.32	7.38
2	*5320.00	98.9 AV			1.00 H	191	91.52	7.38
3	5402.16	63.4 PK	74.0	-10.6	1.43 H	275	55.68	7.72
4	5402.16	53.6 AV	54.0	-0.4	1.43 H	275	45.88	7.72
5	#5477.90	63.0 PK	68.2	-5.2	1.39 H	276	55.05	7.95
6	10640.00	53.9 PK	74.0	-20.1	1.00 H	242	40.27	13.63
7	10640.00	41.0 AV	54.0	-13.0	1.00 H	242	27.37	13.63
8	15960.00	58.1 PK	74.0	-15.9	1.00 H	320	39.49	18.61
9	15960.00	45.9 AV	54.0	-8.1	1.00 H	320	27.29	18.61
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	104.9 PK			1.05 V	68	97.52	7.38
2	*5320.00	95.5 AV			1.05 V	68	88.12	7.38
3	5402.16	60.0 PK	74.0	-14.0	1.19 V	171	52.28	7.72
4	5402.16	50.3 AV	54.0	-3.7	1.19 V	171	42.58	7.72
5	#5477.90	60.2 PK	68.2	-8.0	1.00 V	95	52.25	7.95
6	10640.00	53.4 PK	74.0	-20.6	1.01 V	214	39.77	13.63
7	10640.00	39.9 AV	54.0	-14.1	1.01 V	214	26.27	13.63
8	15960.00	58.7 PK	74.0	-15.3	1.04 V	127	40.09	18.61
9	15960.00	46.7 AV	54.0	-7.3	1.04 V	127	28.09	18.61

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5422.26	63.5 PK	74.0	-10.5	1.43 H	271	55.72	7.78
2	5422.26	53.5 AV	54.0	-0.5	1.43 H	271	45.72	7.78
3	#5470.00	54.7 PK	68.2	-13.5	1.40 H	269	46.77	7.93
4	*5500.00	111.7 PK			1.40 H	269	103.68	8.02
5	*5500.00	102.4 AV			1.40 H	269	94.38	8.02
6	11000.00	53.9 PK	74.0	-20.1	1.01 H	234	39.48	14.42
7	11000.00	41.1 AV	54.0	-12.9	1.01 H	234	26.68	14.42
8	#16500.00	57.6 PK	68.2	-10.6	1.03 H	323	36.66	20.94
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5422.26	60.5 PK	74.0	-13.5	1.03 V	172	52.72	7.78
2	5422.26	50.3 AV	54.0	-3.7	1.03 V	172	42.52	7.78
3	#5470.00	51.8 PK	68.2	-16.4	1.00 V	92	43.87	7.93
4	*5500.00	107.9 PK			1.00 V	82	99.88	8.02
5	*5500.00	99.0 AV			1.00 V	82	90.98	8.02
6	11000.00	52.9 PK	74.0	-21.1	1.00 V	215	38.48	14.42
7	11000.00	39.7 AV	54.0	-14.3	1.00 V	215	25.28	14.42
8	#16500.00	58.2 PK	68.2	-10.0	1.02 V	116	37.26	20.94

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5422.16	62.9 PK	74.0	-11.1	1.42 H	272	55.12	7.78
2	5422.16	53.6 AV	54.0	-0.4	1.42 H	272	45.82	7.78
3	*5580.00	116.9 PK			1.36 H	275	108.73	8.17
4	*5580.00	106.9 AV			1.36 H	275	98.73	8.17
5	**#5742.19**	**68.1 PK**	**68.2**	**-0.1**	**1.62 H**	**276**	**59.69**	**8.41**
6	11160.00	53.4 PK	74.0	-20.6	1.00 H	210	39.17	14.23
7	11160.00	40.7 AV	54.0	-13.3	1.00 H	210	26.47	14.23
8	#16740.00	57.2 PK	68.2	-11.0	1.08 H	320	36.09	21.11
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5422.16	60.4 PK	74.0	-13.6	1.00 V	163	52.62	7.78
2	5422.16	51.3 AV	54.0	-2.7	1.00 V	163	43.52	7.78
3	*5580.00	113.1 PK			1.05 V	73	104.93	8.17
4	*5580.00	103.5 AV			1.05 V	73	95.33	8.17
5	#5742.19	64.8 PK	68.2	-3.4	1.04 V	81	56.39	8.41
6	11160.00	52.7 PK	74.0	-21.3	1.00 V	199	38.47	14.23
7	11160.00	39.8 AV	54.0	-14.2	1.00 V	199	25.57	14.23
8	#16740.00	58.6 PK	68.2	-9.6	1.00 V	106	37.49	21.11

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the 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)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (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	114.3 PK			1.38 H	274	106.01	8.29
2	*5660.00	104.6 AV			1.38 H	274	96.31	8.29
3	#5742.20	67.9 PK	68.2	-0.3	1.64 H	274	59.49	8.41
4	11320.00	52.7 PK	74.0	-21.3	1.02 H	214	38.42	14.28
5	11320.00	40.4 AV	54.0	-13.6	1.02 H	214	26.12	14.28
6	#16980.00	57.0 PK	68.2	-11.2	1.13 H	323	35.52	21.48
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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			1.03 V	53	102.21	8.29
2	*5660.00	101.2 AV			1.03 V	53	92.91	8.29
3	#5742.20	65.4 PK	68.2	-2.8	1.03 V	42	56.99	8.41
4	11320.00	52.5 PK	74.0	-21.5	1.02 V	199	38.22	14.28
5	11320.00	39.9 AV	54.0	-14.1	1.02 V	199	25.62	14.28
6	#16980.00	57.7 PK	68.2	-10.5	1.03 V	94	36.22	21.48

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	114.3 PK			1.34 H	277	105.95	8.35
2	*5700.00	105.3 AV			1.34 H	277	96.95	8.35
3	#5777.85	67.8 PK	68.2	-0.4	1.31 H	275	59.32	8.48
4	11400.00	52.4 PK	74.0	-21.6	1.04 H	188	37.98	14.42
5	11400.00	40.2 AV	54.0	-13.8	1.04 H	188	25.78	14.42
6	#17100.00	56.9 PK	68.2	-11.3	1.08 H	326	35.13	21.77
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	110.7 PK			1.00 V	55	102.35	8.35
2	*5700.00	101.9 AV			1.00 V	55	93.55	8.35
3	#5777.85	64.4 PK	68.2	-3.8	1.06 V	34	55.92	8.48
4	11400.00	52.3 PK	74.0	-21.7	1.02 V	187	37.88	14.42
5	11400.00	40.0 AV	54.0	-14.0	1.02 V	187	25.58	14.42
6	#17100.00	56.6 PK	68.2	-11.6	1.03 V	81	34.83	21.77

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5720.00	116.2 PK			1.35 H	270	107.81	8.39
2	*5720.00	106.6 AV			1.35 H	270	98.21	8.39
3	**#5877.89**	**68.1 PK**	**68.2**	**-0.1**	**1.60 H**	**274**	**59.32**	**8.78**
4	11440.00	51.8 PK	74.0	-22.2	1.04 H	177	37.41	14.39
5	11440.00	39.4 AV	54.0	-14.6	1.04 H	177	25.01	14.39
6	#17160.00	56.2 PK	68.2	-12.0	1.03 H	331	34.19	22.01
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	*5720.00	112.6 PK			1.05 V	36	104.21	8.39
2	*5720.00	103.2 AV			1.05 V	36	94.81	8.39
3	#5877.89	64.4 PK	68.2	-3.8	1.02 V	49	55.62	8.78
4	11440.00	52.0 PK	74.0	-22.0	1.00 V	185	37.61	14.39
5	11440.00	39.8 AV	54.0	-14.2	1.00 V	185	25.41	14.39
6	#17160.00	56.6 PK	68.2	-11.6	1.00 V	72	34.59	22.01

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.
6. " # ": The radiated frequency is out of the restricted band.

802.11ac (VHT40)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5115.00	57.2 PK	74.0	-16.8	1.45 H	271	50.60	6.60
2	5115.00	45.7 AV	54.0	-8.3	1.45 H	271	39.10	6.60
3	*5190.00	105.2 PK			1.43 H	269	98.10	7.10
4	*5190.00	93.5 AV			1.43 H	269	86.40	7.10
5	5355.28	57.5 PK	74.0	-16.5	1.40 H	267	50.00	7.50
6	5355.28	46.1 AV	54.0	-7.9	1.40 H	267	38.60	7.50
7	#10380.00	54.1 PK	68.2	-14.1	1.02 H	127	40.90	13.20
8	15570.00	59.7 PK	74.0	-14.3	1.07 H	211	41.10	18.60
9	15570.00	46.8 AV	54.0	-7.2	1.07 H	211	28.20	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5113.88	57.2 PK	74.0	-16.8	1.13 V	217	50.60	6.60
2	5113.88	45.6 AV	54.0	-8.4	1.13 V	217	39.00	6.60
3	*5190.00	103.5 PK			1.01 V	183	96.40	7.10
4	*5190.00	91.7 AV			1.01 V	183	84.60	7.10
5	#10380.00	54.1 PK	68.2	-14.1	1.03 V	259	40.90	13.20
6	15570.00	59.9 PK	74.0	-14.1	1.03 V	214	41.30	18.60
7	15570.00	46.9 AV	54.0	-7.1	1.03 V	214	28.30	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	104.6 PK			1.43 H	271	97.40	7.20
2	*5230.00	93.6 AV			1.43 H	271	86.40	7.20
3	5395.24	57.8 PK	74.0	-16.2	1.37 H	265	50.10	7.70
4	5395.24	46.9 AV	54.0	-7.1	1.37 H	265	39.20	7.70
5	#10460.00	54.5 PK	68.2	-13.7	1.01 H	132	41.30	13.20
6	15690.00	60.0 PK	74.0	-14.0	1.03 H	225	41.60	18.40
7	15690.00	46.9 AV	54.0	-7.1	1.03 H	225	28.50	18.40
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	103.1 PK			1.00 V	169	95.90	7.20
2	*5230.00	91.5 AV			1.00 V	169	84.30	7.20
3	5350.00	58.0 PK	74.0	-16.0	1.09 V	232	50.60	7.40
4	5350.00	46.1 AV	54.0	-7.9	1.09 V	232	38.70	7.40
5	#10460.00	53.9 PK	68.2	-14.3	1.00 V	261	40.70	13.20
6	15690.00	60.4 PK	74.0	-13.6	1.01 V	225	42.00	18.40
7	15690.00	47.3 AV	54.0	-6.7	1.01 V	225	28.90	18.40

REMARKS:

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

CHANNEL	TX Channel 54	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5113.63	55.1 PK	74.0	-18.9	1.46 H	241	48.48	6.62
2	5113.63	46.1 AV	54.0	-7.9	1.46 H	241	39.48	6.62
3	*5270.00	108.7 PK			1.00 H	194	101.48	7.22
4	*5270.00	99.3 AV			1.00 H	194	92.08	7.22
5	5353.47	63.2 PK	74.0	-10.8	1.40 H	241	55.68	7.52
6	5353.47	53.6 AV	54.0	-0.4	1.40 H	241	46.08	7.52
7	#10540.00	51.7 PK	68.2	-16.5	1.00 H	192	38.41	13.29
8	15810.00	56.1 PK	74.0	-17.9	1.00 H	309	37.53	18.57
9	15810.00	45.1 AV	54.0	-8.9	1.00 H	309	26.53	18.57
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5113.63	50.6 PK	74.0	-23.4	1.06 V	41	43.98	6.62
2	5113.63	41.4 AV	54.0	-12.6	1.06 V	41	34.78	6.62
3	*5270.00	105.1 PK			1.04 V	15	97.88	7.22
4	*5270.00	95.9 AV			1.04 V	15	88.68	7.22
5	5353.47	56.6 PK	74.0	-17.4	1.01 V	45	49.08	7.52
6	5353.47	50.2 AV	54.0	-3.8	1.01 V	45	42.68	7.52
7	#10540.00	52.3 PK	68.2	-15.9	1.00 V	200	39.01	13.29
8	15810.00	55.7 PK	74.0	-18.3	1.00 V	78	37.13	18.57
9	15810.00	44.7 AV	54.0	-9.3	1.00 V	78	26.13	18.57

REMARKS:

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

CHANNEL	TX Channel 62	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	109.2 PK			1.00 H	193	101.87	7.33
2	*5310.00	99.8 AV			1.00 H	193	92.47	7.33
3	5397.74	65.1 PK	74.0	-8.9	1.73 H	234	57.40	7.70
4	5397.74	53.4 AV	54.0	-0.6	1.73 H	234	45.70	7.70
5	#5477.84	63.9 PK	68.2	-4.3	1.70 H	235	55.95	7.95
6	10620.00	51.2 PK	74.0	-22.8	1.00 H	177	37.61	13.59
7	10620.00	38.8 AV	54.0	-15.2	1.00 H	177	25.21	13.59
8	15930.00	55.5 PK	74.0	-18.5	1.01 H	305	36.86	18.64
9	15930.00	44.8 AV	54.0	-9.2	1.01 H	305	26.16	18.64
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	105.6 PK			1.00 V	12	98.27	7.33
2	*5310.00	96.4 AV			1.00 V	12	89.07	7.33
3	5397.74	58.1 PK	74.0	-15.9	1.04 V	34	50.40	7.70
4	5397.74	50.4 AV	54.0	-3.6	1.04 V	34	42.70	7.70
5	#5477.84	61.2 PK	68.2	-7.0	1.03 V	41	53.25	7.95
6	10620.00	51.8 PK	74.0	-22.2	1.05 V	212	38.21	13.59
7	10620.00	39.5 AV	54.0	-14.5	1.05 V	212	25.91	13.59
8	15930.00	55.5 PK	74.0	-18.5	1.00 V	63	36.86	18.64
9	15930.00	44.8 AV	54.0	-9.2	1.00 V	63	26.16	18.64

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5422.27	61.7 PK	74.0	-12.3	1.74 H	231	53.92	7.78
2	5422.27	51.6 AV	54.0	-2.4	1.74 H	231	43.82	7.78
3	#5470.00	67.6 PK	68.2	-0.6	1.70 H	234	59.67	7.93
4	*5510.00	110.1 PK			1.70 H	238	102.06	8.04
5	*5510.00	100.1 AV			1.70 H	238	92.06	8.04
6	11020.00	50.8 PK	74.0	-23.2	1.00 H	180	36.43	14.37
7	11020.00	38.4 AV	54.0	-15.6	1.00 H	180	24.03	14.37
8	#16530.00	55.4 PK	68.2	-12.8	1.06 H	317	34.48	20.92
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	5422.27	54.2 PK	74.0	-19.8	1.00 V	28	46.42	7.78
2	5422.27	48.7 AV	54.0	-5.3	1.00 V	28	40.92	7.78
3	#5470.00	65.4 PK	68.2	-2.8	1.04 V	41	57.47	7.93
4	*5510.00	106.5 PK			1.00 V	25	98.46	8.04
5	*5510.00	96.7 AV			1.00 V	25	88.66	8.04
6	11020.00	51.7 PK	74.0	-22.3	1.02 V	221	37.33	14.37
7	11020.00	39.1 AV	54.0	-14.9	1.02 V	221	24.73	14.37
8	#16530.00	55.5 PK	68.2	-12.7	1.00 V	47	34.58	20.92

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.

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5457.42	63.5 PK	74.0	-10.5	1.69 H	237	55.60	7.90
2	5457.42	53.7 AV	54.0	-0.3	1.69 H	237	45.80	7.90
3	#5464.86	65.9 PK	68.2	-2.3	1.71 H	238	57.99	7.91
4	*5550.00	112.7 PK			1.39 H	276	104.59	8.11
5	*5550.00	103.3 AV			1.39 H	276	95.19	8.11
6	#5727.71	65.2 PK	68.2	-3.0	1.34 H	271	56.80	8.40
7	11100.00	50.6 PK	74.0	-23.4	1.00 H	176	36.38	14.22
8	11100.00	38.4 AV	54.0	-15.6	1.00 H	176	24.18	14.22
9	#16650.00	54.4 PK	68.2	-13.8	1.08 H	320	33.46	20.94
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5457.42	59.4 PK	74.0	-14.6	1.00 V	14	51.50	7.90
2	5457.42	51.0 AV	54.0	-3.0	1.00 V	14	43.10	7.90
3	#5464.86	62.7 PK	68.2	-5.5	1.02 V	22	54.79	7.91
4	*5550.00	109.1 PK			1.00 V	7	100.99	8.11
5	*5550.00	100.0 AV			1.00 V	7	91.89	8.11
6	#5727.71	60.4 PK	68.2	-7.8	1.00 V	40	52.00	8.40
7	11100.00	51.1 PK	74.0	-22.9	1.00 V	207	36.88	14.22
8	11100.00	38.8 AV	54.0	-15.2	1.00 V	207	24.58	14.22
9	#16650.00	55.6 PK	68.2	-12.6	1.00 V	29	34.66	20.94

REMARKS:

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

CHANNEL	TX Channel 134	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 40GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	112.7 PK			1.33 H	275	104.39	8.31
2	*5670.00	103.0 AV			1.33 H	275	94.69	8.31
3	#5742.20	67.6 PK	68.2	-0.6	1.63 H	273	59.19	8.41
4	11340.00	50.4 PK	74.0	-23.6	1.00 H	168	36.08	14.32
5	11340.00	38.0 AV	54.0	-16.0	1.00 H	168	23.68	14.32
6	#17010.00	54.0 PK	68.2	-14.2	1.03 H	326	32.47	21.53
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (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	109.0 PK			1.00 V	16	100.69	8.31
2	*5670.00	99.7 AV			1.00 V	16	91.39	8.31
3	#5725.00	62.3 PK	68.2	-5.9	1.00 V	35	53.91	8.39
4	11340.00	50.5 PK	74.0	-23.5	1.01 V	196	36.18	14.32
5	11340.00	38.4 AV	54.0	-15.6	1.01 V	196	24.08	14.32
6	#17010.00	54.9 PK	68.2	-13.3	1.04 V	19	33.37	21.53

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5710.00	113.9 PK			1.35 H	276	105.54	8.36
2	*5710.00	102.9 AV			1.35 H	276	94.54	8.36
3	#5870.00	65.8 PK	68.2	-2.4	1.61 H	273	57.05	8.75
4	11420.00	50.2 PK	74.0	-23.8	1.00 H	156	35.79	14.41
5	11420.00	37.9 AV	54.0	-16.1	1.00 H	156	23.49	14.41
6	#17130.00	53.5 PK	68.2	-14.7	1.03 H	337	31.61	21.89
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5710.00	110.2 PK			1.00 V	25	101.84	8.36
2	*5710.00	99.8 AV			1.00 V	25	91.44	8.36
3	#5870.00	61.7 PK	68.2	-6.5	1.00 V	21	52.95	8.75
4	11420.00	50.1 PK	74.0	-23.9	1.00 V	192	35.69	14.41
5	11420.00	38.2 AV	54.0	-15.8	1.00 V	192	23.79	14.41
6	#17130.00	54.3 PK	68.2	-13.9	1.02 V	17	32.41	21.89

REMARKS:

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

802.11ac (VHT80)

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	63.2 PK	74.0	-10.8	1.42 H	242	56.50	6.70
2	5150.00	46.5 AV	54.0	-7.5	1.42 H	242	39.80	6.70
3	*5210.00	101.8 PK			1.42 H	228	94.70	7.10
4	*5210.00	91.1 AV			1.42 H	228	84.00	7.10
5	5382.25	56.7 PK	74.0	-17.3	1.39 H	265	49.00	7.70
6	5382.25	45.1 AV	54.0	-8.9	1.39 H	265	37.40	7.70
7	#10420.00	54.6 PK	68.2	-13.6	1.04 H	145	41.40	13.20
8	15630.00	59.4 PK	74.0	-14.6	1.02 H	229	40.80	18.60
9	15630.00	46.5 AV	54.0	-7.5	1.02 H	229	27.90	18.60
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.6 PK	74.0	-17.4	1.02 V	186	49.90	6.70
2	5150.00	45.4 AV	54.0	-8.6	1.02 V	186	38.70	6.70
3	*5210.00	100.9 PK			1.02 V	186	93.80	7.10
4	*5210.00	91.3 AV			1.02 V	186	84.20	7.10
5	5358.69	54.6 PK	74.0	-19.4	1.02 V	282	47.10	7.50
6	5358.69	43.8 AV	54.0	-10.2	1.02 V	282	36.30	7.50
7	#10420.00	54.4 PK	68.2	-13.8	1.08 V	249	41.20	13.20
8	15630.00	59.6 PK	74.0	-14.4	1.06 V	228	41.00	18.60
9	15630.00	46.8 AV	54.0	-7.2	1.06 V	228	28.20	18.60

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	54.2 PK	74.0	-19.8	1.00 H	193	47.40	6.80
2	5150.00	44.3 AV	54.0	-9.7	1.00 H	193	37.50	6.80
3	*5290.00	105.7 PK			1.00 H	193	98.42	7.28
4	*5290.00	96.0 AV			1.00 H	193	88.72	7.28
5	5350.00	68.3 PK	74.0	-5.7	1.00 H	193	60.81	7.49
6	5350.00	53.6 AV	54.0	-0.4	1.00 H	193	46.11	7.49
7	#10580.00	50.3 PK	68.2	-17.9	1.05 H	170	36.85	13.45
8	15870.00	53.8 PK	74.0	-20.2	1.00 H	346	35.18	18.62
9	15870.00	43.8 AV	54.0	-10.2	1.00 H	346	25.18	18.62
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	51.2 PK	74.0	-22.8	1.06 V	71	44.40	6.80
2	5150.00	41.3 AV	54.0	-12.7	1.06 V	71	34.50	6.80
3	*5290.00	102.0 PK			1.00 V	9	94.72	7.28
4	*5290.00	92.9 AV			1.00 V	9	85.62	7.28
5	5350.00	63.0 PK	74.0	-11.0	1.00 V	53	55.51	7.49
6	5350.00	50.3 AV	54.0	-3.7	1.00 V	53	42.81	7.49
7	#10580.00	50.4 PK	68.2	-17.8	1.03 V	197	36.95	13.45
8	15870.00	54.1 PK	74.0	-19.9	1.00 V	0	35.48	18.62
9	15870.00	43.4 AV	54.0	-10.6	1.00 V	0	24.78	18.62

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	65.6 PK	74.0	-8.4	1.65 H	272	57.70	7.90
2	5460.00	53.4 AV	54.0	-0.6	1.65 H	272	45.50	7.90
3	#5470.00	67.4 PK	68.2	-0.8	1.65 H	272	59.47	7.93
4	*5530.00	106.6 PK			1.66 H	272	98.52	8.08
5	*5530.00	97.4 AV			1.66 H	272	89.32	8.08
6	11060.00	49.3 PK	74.0	-24.7	1.04 H	157	35.00	14.30
7	11060.00	37.4 AV	54.0	-16.6	1.04 H	157	23.10	14.30
8	#16590.00	53.8 PK	68.2	-14.4	1.00 H	354	32.90	20.90
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5460.00	62.9 PK	74.0	-11.1	1.01 V	30	55.00	7.90
2	5460.00	50.7 AV	54.0	-3.3	1.01 V	30	42.80	7.90
3	#5470.00	64.4 PK	68.2	-3.8	1.00 V	49	56.47	7.93
4	*5530.00	102.9 PK			1.00 V	19	94.82	8.08
5	*5530.00	94.3 AV			1.00 V	19	86.22	8.08
6	11060.00	50.3 PK	74.0	-23.7	1.06 V	181	36.00	14.30
7	11060.00	38.3 AV	54.0	-15.7	1.06 V	181	24.00	14.30
8	#16590.00	54.4 PK	68.2	-13.8	1.00 V	12	33.50	20.90

REMARKS:

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

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

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5690.00	111.1 PK			1.34 H	276	102.77	8.33
2	*5690.00	101.7 AV			1.34 H	276	93.37	8.33
3	#5825.00	63.8 PK	68.2	-4.4	1.63 H	277	55.21	8.59
4	11380.00	49.2 PK	74.0	-24.8	1.01 H	162	34.81	14.39
5	11380.00	37.4 AV	54.0	-16.6	1.01 H	162	23.01	14.39
6	#17070.00	54.0 PK	68.2	-14.2	1.04 H	345	32.31	21.69
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5690.00	107.4 PK			1.00 V	32	99.07	8.33
2	*5690.00	98.6 AV			1.00 V	32	90.27	8.33
3	#5825.00	60.1 PK	68.2	-8.1	1.00 V	18	51.51	8.59
4	11380.00	49.2 PK	74.0	-24.8	1.04 V	169	34.81	14.39
5	11380.00	37.7 AV	54.0	-16.3	1.04 V	169	23.31	14.39
6	#17070.00	53.8 PK	68.2	-14.4	1.00 V	25	32.11	21.69

REMARKS:

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

4.3 TRANSMIT POWER MEASUREMENT

4.3.1 LIMITS OF TRANSMIT POWER MEASUREMENT

FREQUENCY BAND	LIMIT
5.150 ~ 5.250GHz	The lesser of 50mW (17dBm) or 4dBm + 10logB
5.250 ~ 5.350GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.470 ~ 5.725GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.725 – 5.825GHz	The lesser of 1W (30dBm) or 17dBm + 10logB

NOTE: Where B is the 26dB emission bandwidth in MHz.

Per KDB 662911 D01 Multiple Transmitter Output Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

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

Array Gain = 5 log(NANT/NSS) dB or 3 dB, whichever is less for 20-MHz channel widths with NANT ≥ 5.

For power measurements on all other devices: Array Gain = 10 log(NANT/NSS) dB.

4.3.2 TEST INSTRUMENTS

FOR POWER OUTPUT MEASUREMENT

For channel straddling 5725MHz:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
SPECTRUM ANALYZER R&S	FSV 40	100964	July 15, 2013	July 14, 2014

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 : June 19, 2014

For other channels:

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 : June 19, 2014

FOR 26dB OCCUPIED BANDWIDTH

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
SPECTRUM ANALYZER R&S	FSV 40	100964	July 15, 2013	July 14, 2014

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 : June 19, 2014

4.3.3 TEST PROCEDURE

FOR AVERAGE POWER MEASUREMENT

For channel straddling 5725MHz:

Follow FCC KDB 789033 UNII test procedure:
Method SA-1

1. Set span to encompass the entire emission bandwidth (EBW) of the signal.
2. Set RBW =1MHz.
3. Set the VBW ≥ 3 x RBW.
4. Number of points in sweep ≥ 2 Span / RBW.
5. Sweep time = auto.
6. Set trigger to free run (duty cycle ≥ 98 percent) ; Set video trigger (duty cycle < 98 percent)
7. Detector = RMS.
8. Trace average at least 100 traces in power averaging mode
9. Compute power by integrating the spectrum across the 26 dB EBW of the signal.

For other channels:

An average power sensor was used on the output port of the EUT. A power meter was used to read the response of the average power sensor. Record the power level. 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%.

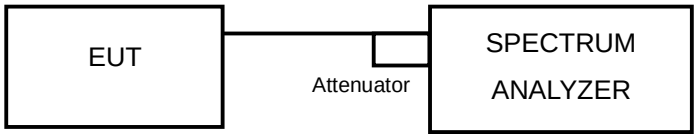
4.3.4 DEVIATION FROM TEST STANDARD

No deviation

4.3.5 TEST SETUP

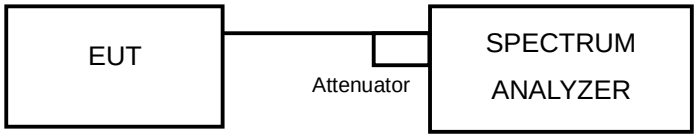
FOR POWER OUTPUT MEASUREMENT

For channel straddling 5725MHz:



For other channels:

FOR 26dB OCCUPIED BANDWIDTH



4.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

4.3.7 TEST RESULTS (MODE 1)

802.11a

POWER OUTPUT

CHANNEL	CHANNEL FREQUENCY (MHz)	AVERAGE POWER (mW)	AVERAGE POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
36	5180	41.115	16.14	17	PASS
40	5200	39.537	15.97	17	PASS
48	5240	38.194	15.82	17	PASS
52	5260	80.91	19.08	24	PASS
60	5300	68.865	18.38	24	PASS
64	5320	60.534	17.82	24	PASS
100	5500	100	20.00	24	PASS
116	5580	214.289	23.31	24	PASS
132	5660	151.705	21.81	24	PASS
140	5700	111.429	20.47	24	PASS
144 (UNII-2c Band)	5720	151.008	21.79	24	PASS
144 (UNII-3 Band)	5720	31.55	14.99	28.15	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)
36	5180	20.44
40	5200	20.49
48	5240	20.60
52	5260	20.67
60	5300	20.48
64	5320	20.30
100	5500	20.74
116	5580	39.75
132	5660	30.02
140	5700	21.23
144 (UNII-2c Band)	5720	23.39
144 (UNII-3 Band)	5720	13.04

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.44	17.1 > 17
40	5200	20.49	17.11 > 17
48	5240	20.60	17.13 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.67	24.15 > 24
60	5300	20.48	24.11 > 24
64	5320	20.30	24.07 > 24
100	5500	20.74	24.16 > 24
116	5580	39.75	26.99 > 24
132	5660	30.02	25.77 > 24
140	5700	21.23	24.26 > 24
144 (UNII-2c Band)	5720	23.39	24.69 > 24
144 (UNII-3 Band)	5720	13.04	28.15 < 30

4.3.8 TEST RESULTS (MODE 2)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
36	5180	12.51	13.42	39.803	16.00	16.10	PASS
40	5200	12.46	13.37	39.347	15.95	16.10	PASS
48	5240	12.48	13.44	39.781	16.00	16.10	PASS
52	5260	12.71	12.62	36.945	15.68	23.08	PASS
60	5300	9.97	10.04	20.024	13.02	23.08	PASS
64	5320	10.46	10.12	21.397	13.30	23.08	PASS
100	5500	12.08	13.46	38.326	15.83	22.88	PASS
116	5580	18.44	19.71	163.364	22.13	22.88	PASS
132	5660	17.51	18.72	130.837	21.17	22.88	PASS
140	5700	17.72	19.23	142.909	21.55	22.88	PASS
144 (UNII-2c Band)	5720	17.48	16.87	104.617	20.20	21.86	PASS
144 (UNII-3 Band)	5720	11.97	12.08	31.884	15.04	23.17	PASS

Note:

5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.9dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.9-6)”.

5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.92dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.92-6)”.

5470~5725MHz(For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(7.12-6)”.

5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(7.12-6)”.

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
36	5180	20.64	20.64
40	5200	20.63	20.76
48	5240	20.49	20.76
52	5260	20.43	20.63
60	5300	20.57	20.55
64	5320	20.54	20.64
100	5500	20.48	20.79
116	5580	20.74	21.69
132	5660	20.64	20.56
140	5700	20.71	20.83
144 (UNII-2c Band)	5720	15.81	16.10
144 (UNII-3 Band)	5720	5.36	6.21

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.64	17.14 > 17
40	5200	20.63	17.14 > 17
48	5240	20.49	17.11 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.43	24.1 > 24
60	5300	20.55	24.12 > 24
64	5320	20.54	24.12 > 24
100	5500	20.48	24.11 > 24
116	5580	20.74	24.16 > 24
132	5660	20.56	24.13 > 24
140	5700	20.71	24.16 > 24
144 (UNII-2c Band)	5720	15.81	22.98 < 24
144 (UNII-3 Band)	5720	5.36	24.29 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
38	5190	11.88	13.78	39.295	15.94	16.10	PASS
46	5230	12.04	13.48	38.28	15.83	16.10	PASS
54	5270	13.54	14.21	48.957	16.90	23.08	PASS
62	5310	13.58	14.53	51.182	17.09	23.08	PASS
102	5510	14.61	16.72	75.896	18.80	22.88	PASS
110	5550	15.53	17.62	93.537	19.71	22.88	PASS
134	5670	17.54	19.84	153.137	21.85	22.88	PASS
142 (UNII-2c Band)	5710	18.49	18.27	137.775	21.39	22.88	PASS
142 (UNII-3 Band)	5710	7.76	7.75	11.927	10.77	24.51	PASS

Note:

5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.9dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.9-6)”.

5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.92dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.92-6)”.

5470~5725MHz(For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(7.12-6)”.

5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(7.12-6)”.

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
38	5190	40.79	40.72
46	5230	40.69	40.68
54	5270	40.91	40.70
62	5310	40.82	40.44
102	5510	40.64	40.74
110	5550	40.70	40.49
134	5670	41.03	52.05
142 (UNII-2c Band)	5710	41.66	39.87
142 (UNII-3 Band)	5710	17.46	7.30

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.72	20.09 > 17
46	5230	40.68	20.09 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.70	27.09 > 24
62	5310	40.44	27.06 > 24
102	5510	40.64	27.08 > 24
110	5550	40.49	27.07 > 24
134	5670	41.03	27.13 > 24
142 (UNII-2c Band)	5710	39.87	27 > 24
142 (UNII-3 Band)	5710	7.30	25.63 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
42	5210	11.89	13.81	39.497	15.97	16.10	PASS
58	5290	13.53	14.21	48.905	16.89	23.08	PASS
106	5530	13.24	14.93	52.203	17.18	22.88	PASS
138 (UNII-2c Band)	5690	17.99	18.01	131.45	21.19	22.88	PASS
138 (UNII-3 Band)	5690	4.37	4.15	5.557	7.45	23.84	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)							

Note:

5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.9dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.9-6)”.

5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.92dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.92-6)”.

5470~5725MHz(For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(7.12-6)”.

5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(7.12-6)”.

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
42	5210	82.10	82.19
52	5290	82.75	82.28
106	5530	82.65	82.24
138 (UNII-2c Band)	5690	81.15	81.59
138 (UNII-3 Band)	5690	6.26	10.46

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	82.10	23.14 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.28	30.15 > 24
106	5530	82.24	30.15 > 24
138 (UNII-2c Band)	5690	81.15	30.09 > 24
138 (UNII-3 Band)	5690	6.26	24.96 < 30

4.3.9 TEST RESULTS (MODE 3)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
36	5180	13.33	14.23	48.013	16.81	17	PASS
40	5200	13.13	14.40	48.101	16.82	17	PASS
48	5240	13.29	14.32	48.37	16.85	17	PASS
52	5260	12.71	12.62	36.945	15.68	24	PASS
60	5300	9.97	10.04	20.024	13.02	24	PASS
64	5320	10.46	10.12	21.397	13.30	24	PASS
100	5500	12.08	13.46	38.326	15.83	24	PASS
116	5580	18.44	19.71	163.364	22.13	24	PASS
132	5660	17.51	18.72	130.837	21.17	24	PASS
140	5700	17.72	19.23	142.909	21.55	24	PASS
144 (UNII-2c Band)	5720	18.46	18.45	140.13	21.47	22.93	PASS
144 (UNII-3 Band)	5720	12.59	12.41	35.573	15.51	25.60	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
36	5180	20.53	20.72
40	5200	20.49	20.61
48	5240	20.65	20.68
52	5260	20.43	20.63
60	5300	20.57	20.55
64	5320	20.54	20.64
100	5500	20.48	20.79
116	5580	20.74	21.69
132	5660	20.64	20.56
140	5700	20.71	20.83
144 (UNII-2c Band)	5720	19.65	15.61
144 (UNII-3 Band)	5720	8.34	7.25

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.53	17.12 > 17
40	5200	20.49	17.11 > 17
48	5240	20.65	17.14 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.43	24.1 > 24
60	5300	20.55	24.12 > 24
64	5320	20.54	24.12 > 24
100	5500	20.48	24.11 > 24
116	5580	20.74	24.16 > 24
132	5660	20.56	24.13 > 24
140	5700	20.71	24.16 > 24
144 (UNII-2c Band)	5720	15.61	22.93 < 24
144 (UNII-3 Band)	5720	7.25	25.6 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
38	5190	12.61	14.42	45.908	16.62	17	PASS
46	5230	12.72	14.16	44.769	16.51	17	PASS
54	5270	13.54	14.21	48.957	16.90	24	PASS
62	5310	13.58	14.53	51.182	17.09	24	PASS
102	5510	14.61	16.72	75.896	18.80	24	PASS
110	5550	15.53	17.62	93.537	19.71	24	PASS
134	5670	17.54	19.84	153.137	21.85	24	PASS
142 (UNII-2c Band)	5710	19.22	19.53	173.303	22.39	24	PASS
142 (UNII-3 Band)	5710	8.28	9.12	14.896	11.73	29.69	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
38	5190	40.72	40.52
46	5230	40.75	40.59
54	5270	40.91	40.70
62	5310	40.82	40.44
102	5510	40.64	40.74
110	5550	40.70	40.49
134	5670	41.03	52.05
142 (UNII-2c Band)	5710	49.23	45.96
142 (UNII-3 Band)	5710	18.62	19.29

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.52	20.07 > 17
46	5230	40.59	20.08 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.70	27.09 > 24
62	5310	40.44	27.06 > 24
102	5510	40.64	27.08 > 24
110	5550	40.49	27.07 > 24
134	5670	41.03	27.13 > 24
142 (UNII-2c Band)	5710	45.96	27.62 > 24
142 (UNII-3 Band)	5710	18.62	29.69 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
42	5210	13.02	14.36	47.335	16.75	17	PASS
58	5290	13.53	14.21	48.905	16.89	24	PASS
106	5530	13.24	14.93	52.203	17.18	24	PASS
138 (UNII-2c Band)	5690	18.80	18.70	156.239	21.94	24	PASS
138 (UNII-3 Band)	5690	4.89	4.71	6.293	7.99	30	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)							

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
42	5210	82.52	82.62
52	5290	82.75	82.28
106	5530	82.65	82.24
138 (UNII-2c Band)	5690	90.83	95.56
138 (UNII-3 Band)	5690	27.22	27.22

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	82.52	23.16 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.28	30.15 > 24
106	5530	82.24	30.15 > 24
138 (UNII-2c Band)	5690	90.83	30.58 > 24
138 (UNII-3 Band)	5690	27.22	31.34 > 30

4.3.10 TEST RESULTS (MODE 4)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
36	5180	12.51	13.42	39.803	16.00	17	PASS
40	5200	12.46	13.37	39.347	15.95	17	PASS
48	5240	12.48	13.44	39.781	16.00	17	PASS
52	5260	12.71	12.62	36.945	15.68	24	PASS
60	5300	9.97	10.04	20.024	13.02	24	PASS
64	5320	10.46	10.12	21.397	13.30	24	PASS
100	5500	12.08	13.46	38.326	15.83	24	PASS
116	5580	18.44	19.71	163.364	22.13	24	PASS
132	5660	17.51	18.72	130.837	21.17	24	PASS
140	5700	17.72	19.23	142.909	21.55	24	PASS
144 (UNII-2c Band)	5720	17.48	16.87	104.617	20.20	22.98	PASS
144 (UNII-3 Band)	5720	11.97	12.08	31.884	15.04	24.29	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
36	5180	20.64	20.64
40	5200	20.63	20.76
48	5240	20.49	20.76
52	5260	20.43	20.63
60	5300	20.57	20.55
64	5320	20.54	20.64
100	5500	20.48	20.79
116	5580	20.74	21.69
132	5660	20.64	20.56
140	5700	20.71	20.83
144 (UNII-2c Band)	5720	15.81	16.10
144 (UNII-3 Band)	5720	5.36	6.21

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.64	17.14 > 17
40	5200	20.63	17.14 > 17
48	5240	20.49	17.11 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.43	24.1 > 24
60	5300	20.55	24.12 > 24
64	5320	20.54	24.12 > 24
100	5500	20.48	24.11 > 24
116	5580	20.74	24.16 > 24
132	5660	20.56	24.13 > 24
140	5700	20.71	24.16 > 24
144 (UNII-2c Band)	5720	15.81	22.98 < 24
144 (UNII-3 Band)	5720	5.36	24.29 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
38	5190	12.61	14.42	45.908	16.62	17	PASS
46	5230	12.72	14.16	44.769	16.51	17	PASS
54	5270	13.54	14.21	48.957	16.90	24	PASS
62	5310	13.58	14.53	51.182	17.09	24	PASS
102	5510	14.61	16.72	75.896	18.80	24	PASS
110	5550	15.53	17.62	93.537	19.71	24	PASS
134	5670	17.54	19.84	153.137	21.85	24	PASS
142 (UNII-2c Band)	5710	19.22	19.53	173.303	22.39	24	PASS
142 (UNII-3 Band)	5710	8.28	9.12	14.896	11.73	29.69	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
38	5190	40.72	40.52
46	5230	40.75	40.59
54	5270	40.91	40.70
62	5310	40.82	40.44
102	5510	40.64	40.74
110	5550	40.70	40.49
134	5670	41.03	52.05
142 (UNII-2c Band)	5710	49.23	45.96
142 (UNII-3 Band)	5710	18.62	19.29

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.52	20.07 > 17
46	5230	40.59	20.08 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.70	27.09 > 24
62	5310	40.44	27.06 > 24
102	5510	40.64	27.08 > 24
110	5550	40.49	27.07 > 24
134	5670	41.03	27.13 > 24
142 (UNII-2c Band)	5710	45.96	27.62 > 24
142 (UNII-3 Band)	5710	18.62	29.69 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
42	5210	13.02	14.36	47.335	16.75	17	PASS
58	5290	13.53	14.21	48.905	16.89	24	PASS
106	5530	13.24	14.93	52.203	17.18	24	PASS
138 (UNII-2c Band)	5690	18.80	18.70	156.239	21.94	24	PASS
138 (UNII-3 Band)	5690	4.89	4.71	6.293	7.99	30	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)							

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
42	5210	82.52	82.62
52	5290	82.75	82.28
106	5530	82.65	82.24
138 (UNII-2c Band)	5690	90.83	95.56
138 (UNII-3 Band)	5690	27.22	27.22

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	82.52	23.16 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.28	30.15 > 24
106	5530	82.24	30.15 > 24
138 (UNII-2c Band)	5690	90.83	30.58 > 24
138 (UNII-3 Band)	5690	27.22	31.34 > 30

4.3.11 TEST RESULTS (MODE 5)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
36	5180	13.33	14.23	48.013	16.81	17	PASS
40	5200	13.13	14.40	48.101	16.82	17	PASS
48	5240	13.29	14.32	48.37	16.85	17	PASS
52	5260	15.46	15.69	72.224	18.59	24	PASS
60	5300	15.05	15.84	70.36	18.47	24	PASS
64	5320	14.21	13.90	50.91	17.07	24	PASS
100	5500	15.57	16.96	85.717	19.33	24	PASS
116	5580	19.78	20.84	216.399	23.35	24	PASS
132	5660	18.39	19.44	156.926	21.96	24	PASS
140	5700	17.90	19.33	147.364	21.68	24	PASS
144 (UNII-2c Band)	5720	18.46	18.45	140.13	21.47	22.93	PASS
144 (UNII-3 Band)	5720	12.59	12.41	35.573	15.51	25.60	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
36	5180	20.53	20.72
40	5200	20.49	20.61
48	5240	20.65	20.68
52	5260	20.52	20.66
60	5300	20.52	20.56
64	5320	20.55	20.83
100	5500	20.65	20.73
116	5580	21.12	26.98
132	5660	20.61	21.04
140	5700	20.68	20.75
144 (UNII-2c Band)	5720	19.65	15.61
144 (UNII-3 Band)	5720	8.34	7.25

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.53	17.12 > 17
40	5200	20.49	17.11 > 17
48	5240	20.65	17.14 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.52	24.12 > 24
60	5300	20.52	24.12 > 24
64	5320	20.55	24.12 > 24
100	5500	20.65	24.14 > 24
116	5580	21.12	24.24 > 24
132	5660	20.61	24.14 > 24
140	5700	20.68	24.15 > 24
144 (UNII-2c Band)	5720	15.61	22.93 < 24
144 (UNII-3 Band)	5720	7.25	25.6 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
38	5190	12.61	14.42	45.908	16.62	17	PASS
46	5230	12.72	14.16	44.769	16.51	17	PASS
54	5270	17.75	18.42	129.068	21.11	24	PASS
62	5310	15.42	16.36	78.085	18.93	24	PASS
102	5510	15.25	17.54	90.251	19.55	24	PASS
110	5550	18.18	20.48	177.452	22.49	24	PASS
134	5670	18.63	20.77	192.345	22.84	24	PASS
142 (UNII-2c Band)	5710	19.22	19.53	173.303	22.39	24	PASS
142 (UNII-3 Band)	5710	8.28	9.12	14.896	11.73	29.69	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
38	5190	40.72	40.52
46	5230	40.75	40.59
54	5270	41.08	40.68
62	5310	40.73	40.50
102	5510	40.90	40.57
110	5550	43.95	54.95
134	5670	50.05	48.46
142 (UNII-2c Band)	5710	49.23	45.96
142 (UNII-3 Band)	5710	18.62	19.29

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.52	20.07 > 17
46	5230	40.59	20.08 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.68	27.09 > 24
62	5310	40.50	27.07 > 24
102	5510	40.57	27.08 > 24
110	5550	43.95	27.42 > 24
134	5670	48.46	27.85 > 24
142 (UNII-2c Band)	5710	45.96	27.62 > 24
142 (UNII-3 Band)	5710	18.62	29.69 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
42	5210	13.02	14.36	47.335	16.75	17	PASS
58	5290	13.35	13.80	45.615	16.59	24	PASS
106	5530	15.13	16.67	79.036	18.98	24	PASS
138 (UNII-2c Band)	5690	18.80	18.70	156.239	21.94	24	PASS
138 (UNII-3 Band)	5690	4.89	4.71	6.293	7.99	30	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)							

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
42	5210	82.52	82.62
52	5290	82.73	82.68
106	5530	82.54	82.06
138 (UNII-2c Band)	5690	90.83	95.56
138 (UNII-3 Band)	5690	27.22	27.22

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	82.52	23.16 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.68	30.17 > 24
106	5530	82.06	30.14 > 24
138 (UNII-2c Band)	5690	90.83	30.58 > 24
138 (UNII-3 Band)	5690	27.22	31.34 > 30

4.3.12 TEST RESULTS (MODE 6)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
36	5180	13.33	14.23	48.013	16.81	17	PASS
40	5200	13.13	14.40	48.101	16.82	17	PASS
48	5240	13.29	14.32	48.37	16.85	17	PASS
52	5260	12.71	12.62	36.945	15.68	24	PASS
60	5300	9.97	10.04	20.024	13.02	24	PASS
64	5320	10.46	10.12	21.397	13.30	24	PASS
100	5500	12.08	13.46	38.326	15.83	24	PASS
116	5580	18.44	19.71	163.364	22.13	24	PASS
132	5660	17.51	18.72	130.837	21.17	24	PASS
140	5700	17.72	19.23	142.909	21.55	24	PASS
144 (UNII-2c Band)	5720	18.46	18.45	140.13	21.47	22.93	PASS
144 (UNII-3 Band)	5720	12.59	12.41	35.573	15.51	25.60	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
36	5180	20.53	20.72
40	5200	20.49	20.61
48	5240	20.65	20.68
52	5260	20.43	20.63
60	5300	20.57	20.55
64	5320	20.54	20.64
100	5500	20.48	20.79
116	5580	20.74	21.69
132	5660	20.64	20.56
140	5700	20.71	20.83
144 (UNII-2c Band)	5720	19.65	15.61
144 (UNII-3 Band)	5720	8.34	7.25

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.53	17.12 > 17
40	5200	20.49	17.11 > 17
48	5240	20.65	17.14 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.43	24.1 > 24
60	5300	20.55	24.12 > 24
64	5320	20.54	24.12 > 24
100	5500	20.48	24.11 > 24
116	5580	20.74	24.16 > 24
132	5660	20.56	24.13 > 24
140	5700	20.71	24.16 > 24
144 (UNII-2c Band)	5720	15.61	22.93 < 24
144 (UNII-3 Band)	5720	7.25	25.6 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
38	5190	12.61	14.42	45.908	16.62	17	PASS
46	5230	12.72	14.16	44.769	16.51	17	PASS
54	5270	13.54	14.21	48.957	16.90	24	PASS
62	5310	13.58	14.53	51.182	17.09	24	PASS
102	5510	14.61	16.72	75.896	18.80	24	PASS
110	5550	15.53	17.62	93.537	19.71	24	PASS
134	5670	17.54	19.84	153.137	21.85	24	PASS
142 (UNII-2c Band)	5710	19.22	19.53	173.303	22.39	24	PASS
142 (UNII-3 Band)	5710	8.28	9.12	14.896	11.73	29.69	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
38	5190	40.72	40.52
46	5230	40.75	40.59
54	5270	40.91	40.70
62	5310	40.82	40.44
102	5510	40.64	40.74
110	5550	40.70	40.49
134	5670	41.03	52.05
142 (UNII-2c Band)	5710	49.23	45.96
142 (UNII-3 Band)	5710	18.62	19.29

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.52	20.07 > 17
46	5230	40.59	20.08 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.70	27.09 > 24
62	5310	40.44	27.06 > 24
102	5510	40.64	27.08 > 24
110	5550	40.49	27.07 > 24
134	5670	41.03	27.13 > 24
142 (UNII-2c Band)	5710	45.96	27.62 > 24
142 (UNII-3 Band)	5710	18.62	29.69 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 1	CHAIN 2				
42	5210	13.02	14.36	47.335	16.75	17	PASS
58	5290	13.53	14.21	48.905	16.89	24	PASS
106	5530	13.24	14.93	52.203	17.18	24	PASS
138 (UNII-2c Band)	5690	18.80	18.70	156.239	21.94	24	PASS
138 (UNII-3 Band)	5690	4.89	4.71	6.293	7.99	30	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)							

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 1	CHAIN 2
42	5210	82.52	82.62
52	5290	82.75	82.28
106	5530	82.65	82.24
138 (UNII-2c Band)	5690	90.83	95.56
138 (UNII-3 Band)	5690	27.22	27.22

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	82.52	23.16 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.28	30.15 > 24
106	5530	82.24	30.15 > 24
138 (UNII-2c Band)	5690	90.83	30.58 > 24
138 (UNII-3 Band)	5690	27.22	31.34 > 30

4.3.13 TEST RESULTS (MODE 7)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	8.92	9.47	10.50	27.869	14.45	14.74	PASS
40	5200	9.04	9.23	10.29	27.083	14.33	14.74	PASS
48	5240	8.77	9.24	10.37	26.818	14.28	14.74	PASS
52	5260	12.09	12.06	12.05	48.282	16.84	21.67	PASS
60	5300	10.62	9.68	9.74	30.244	14.81	21.67	PASS
64	5320	10.43	9.84	9.56	29.715	14.73	21.67	PASS
100	5500	12.07	11.71	13.42	52.91	17.24	21.80	PASS
116	5580	16.64	15.93	17.32	139.257	21.44	21.80	PASS
132	5660	16.55	15.87	17.71	142.843	21.55	21.80	PASS
140	5700	16.67	15.94	17.86	146.81	21.67	21.80	PASS
144 (UNII-2c Band)	5720	13.30	13.23	14.43	70.151	18.46	20.65	PASS
144 (UNII-3 Band)	5720	8.07	8.13	8.70	20.326	13.08	21.97	PASS

Note:

5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.26dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.26-6)”.

5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.33dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.33-6)”.

5470~5725MHz(For UNII-2c Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.20-6)”.

5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.20-6)”.

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
36	5180	20.94	20.47	20.69
40	5200	20.76	20.56	20.68
48	5240	20.87	20.72	20.68
52	5260	20.95	20.70	20.47
60	5300	20.79	20.57	20.55
64	5320	21.01	20.47	20.56
100	5500	21.03	20.48	20.79
116	5580	20.89	20.75	20.66
132	5660	20.92	20.66	20.69
140	5700	20.76	20.63	20.76
144 (UNII-2c Band)	5720	15.49	15.33	15.47
144 (UNII-3 Band)	5720	5.39	5.22	5.28

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.47	17.11 > 17
40	5200	20.56	17.13 > 17
48	5240	20.68	17.15 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.47	24.11 > 24
60	5300	20.55	24.12 > 24
64	5320	20.47	24.11 > 24
100	5500	20.48	24.11 > 24
116	5580	20.66	24.15 > 24
132	5660	20.66	24.15 > 24
140	5700	20.63	24.14 > 24
144 (UNII-2c Band)	5720	15.33	22.85 < 24
144 (UNII-3 Band)	5720	5.22	24.17 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	8.86	9.09	10.51	27.047	14.32	14.74	PASS
46	5230	9.11	9.01	10.47	27.252	14.35	14.74	PASS
54	5270	12.82	12.55	13.33	58.66	17.68	21.67	PASS
62	5310	12.78	12.17	13.19	56.294	17.50	21.67	PASS
102	5510	15.15	14.65	16.75	109.223	20.38	21.80	PASS
110	5550	15.83	15.33	17.78	132.38	21.22	21.80	PASS
134	5670	16.67	15.25	17.95	142.322	21.53	21.80	PASS
142 (UNII-2c Band)	5710	14.34	13.49	13.17	70.249	18.47	21.80	PASS
142 (UNII-3 Band)	5710	3.83	3.08	3.44	6.655	8.23	21.97	PASS

Note:

5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.26dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.26-6)”.

5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.33dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.33-6)”.

5470~5725MHz(For UNII-2c Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.20-6)”.

5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.20-6)”.

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
38	5190	41.29	41.26	40.46
46	5230	41.11	41.13	40.60
54	5270	41.12	40.80	40.59
62	5310	41.09	41.00	40.62
102	5510	41.14	40.64	40.74
110	5550	41.07	40.70	40.49
134	5670	41.13	41.07	40.53
142 (UNII-2c Band)	5710	35.61	35.59	35.45
142 (UNII-3 Band)	5710	5.61	5.54	5.22

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.46	20.07 > 17
46	5230	40.60	20.08 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.59	27.08 > 24
62	5310	40.62	27.08 > 24
102	5510	40.64	27.08 > 24
110	5550	40.49	27.07 > 24
134	5670	40.53	27.07 > 24
142 (UNII-2c Band)	5710	35.45	26.49 > 24
142 (UNII-3 Band)	5710	5.22	24.17 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	9.06	9.10	10.83	28.288	14.52	14.74	PASS
58	5290	13.36	13.39	14.01	68.681	18.37	21.67	PASS
106	5530	14.34	13.95	15.44	86.99	19.39	21.80	PASS
138 (UNII-2c Band)	5690	13.82	13.88	13.44	73.555	18.67	21.80	PASS
138 (UNII-3 Band)	5690	-0.30	-0.25	-0.88	2.8063	4.48	22.61	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)								

Note:

5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.26dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.26-6)”.

5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.33dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.33-6)”.

5470~5725MHz(For UNII-2c Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.20-6)”.

5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(8.20-6)”.

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
42	5210	83.26	83.01	81.94
52	5290	82.83	82.75	82.28
106	5530	83.17	82.63	82.03
138 (UNII-2c Band)	5690	76.72	76.66	76.08
138 (UNII-3 Band)	5690	6.57	6.60	6.04

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	81.94	23.13 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.28	30.15 > 24
106	5530	82.03	30.13 > 24
138 (UNII-2c Band)	5690	76.08	29.81 > 24
138 (UNII-3 Band)	5690	6.04	24.81 < 30

4.3.14 TEST RESULTS (MODE 8)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	11.06	11.18	12.47	43.546	16.39	16.91	PASS
40	5200	10.95	11.35	12.60	44.288	16.46	16.91	PASS
48	5240	10.68	11.40	12.81	44.598	16.49	16.91	PASS
52	5260	12.09	12.06	12.05	48.282	16.84	24	PASS
60	5300	10.62	9.68	9.74	30.244	14.81	24	PASS
64	5320	10.43	9.84	9.56	29.715	14.73	24	PASS
100	5500	12.07	11.71	13.42	52.91	17.24	23.48	PASS
116	5580	18.36	17.86	19.48	218.359	23.39	23.48	PASS
132	5660	17.25	16.57	18.41	167.825	22.25	23.48	PASS
140	5700	17.16	16.45	18.34	164.391	22.16	23.48	PASS
144 (UNII-2c Band)	5720	14.85	14.50	13.99	83.794	19.23	22.36	PASS
144 (UNII-3 Band)	5720	8.43	8.58	8.93	21.993	13.42	23.71	PASS

Note:

5150~5250MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 6.09dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.09-6)”.

5250~5350MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 5.98dBi < 6dBi , so the power limit shall not be reduced..

5470~5725MHz(For UNII-2c Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.52-6)”.

5725~5825MHz (For UNII-3 Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.52-6)”.

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
36	5180	20.70	20.69	20.61
40	5200	20.69	20.57	20.89
48	5240	20.83	20.64	20.68
52	5260	20.95	20.70	20.47
60	5300	20.79	20.57	20.55
64	5320	21.01	20.47	20.56
100	5500	21.03	20.48	20.79
116	5580	20.77	20.53	20.90
132	5660	20.74	20.54	20.74
140	5700	20.85	20.61	20.76
144 (UNII-2c Band)	5720	15.45	15.43	15.50
144 (UNII-3 Band)	5720	5.39	5.32	5.29

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.61	17.14 > 17
40	5200	20.57	17.13 > 17
48	5240	20.64	17.14 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.47	24.11 > 24
60	5300	20.55	24.12 > 24
64	5320	20.47	24.11 > 24
100	5500	20.48	24.11 > 24
116	5580	20.53	24.12 > 24
132	5660	20.54	24.12 > 24
140	5700	20.61	24.14 > 24
144 (UNII-2c Band)	5720	15.43	22.88 < 24
144 (UNII-3 Band)	5720	5.29	24.23 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	11.26	11.44	12.98	47.159	16.74	16.91	PASS
46	5230	11.08	11.40	12.69	45.205	16.55	16.91	PASS
54	5270	12.82	12.55	13.33	58.66	17.68	24.00	PASS
62	5310	12.78	12.17	13.19	56.294	17.50	24.00	PASS
102	5510	15.15	14.65	16.75	109.223	20.38	23.48	PASS
110	5550	15.83	15.33	17.78	132.38	21.22	23.48	PASS
134	5670	18.16	17.83	19.66	218.608	23.40	23.48	PASS
142 (UNII-2c Band)	5710	14.60	14.71	14.44	86.217	19.36	23.48	PASS
142 (UNII-3 Band)	5710	4.04	4.35	4.17	7.87	8.96	23.77	PASS

Note:

5150~5250MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 6.09dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.09-6)”.

5250~5350MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 5.98dBi < 6dBi , so the power limit shall not be reduced..

5470~5725MHz(For UNII-2c Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.52-6)”.

5725~5825MHz (For UNII-3 Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.52-6)”.

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
38	5190	41.10	40.79	40.72
46	5230	41.22	40.69	40.68
54	5270	41.12	40.80	40.59
62	5310	41.09	41.00	40.62
102	5510	41.14	40.64	40.74
110	5550	41.07	40.70	40.49
134	5670	40.83	41.03	52.05
142 (UNII-2c Band)	5710	35.66	35.38	35.55
142 (UNII-3 Band)	5710	5.42	5.36	5.52

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.72	20.09 > 17
46	5230	40.68	20.09 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.59	27.08 > 24
62	5310	40.62	27.08 > 24
102	5510	40.64	27.08 > 24
110	5550	40.49	27.07 > 24
134	5670	40.83	27.1 > 24
142 (UNII-2c Band)	5710	35.38	26.48 > 24
142 (UNII-3 Band)	5710	5.36	24.29 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	11.46	11.55	13.00	48.238	16.83	16.91	PASS
58	5290	13.36	13.39	14.01	68.681	18.37	24.00	PASS
106	5530	14.34	13.95	15.44	86.99	19.39	23.48	PASS
138 (UNII-2c Band)	5690	13.92	14.02	13.61	75.892	18.80	23.48	PASS
138 (UNII-3 Band)	5690	0.03	0.49	0.53	3.392	5.30	24.41	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)								

Note:

5150~5250MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 6.09dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.09-6)”.

5250~5350MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 5.98dBi < 6dBi , so the power limit shall not be reduced..

5470~5725MHz(For UNII-2c Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.52-6)”.

5725~5825MHz (For UNII-3 Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi , so the power limit shall be reduced to “Determined Conducted Limit-(6.52-6)”.

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
42	5210	83.52	83.12	81.97
52	5290	82.83	82.75	82.28
106	5530	83.17	82.63	82.03
138 (UNII-2c Band)	5690	76.61	76.43	76.43
138 (UNII-3 Band)	5690	6.46	6.21	6.63

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	81.97	23.13 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.28	30.15 > 24
106	5530	82.03	30.13 > 24
138 (UNII-2c Band)	5690	76.43	29.83 > 24
138 (UNII-3 Band)	5690	6.21	24.93 < 30

4.3.15 TEST RESULTS (MODE 9)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	11.06	11.18	12.47	43.546	16.39	17	PASS
40	5200	10.95	11.35	12.60	44.288	16.46	17	PASS
48	5240	10.68	11.40	12.81	44.598	16.49	17	PASS
52	5260	12.09	12.06	12.05	48.282	16.84	24	PASS
60	5300	10.62	9.68	9.74	30.244	14.81	24	PASS
64	5320	10.43	9.84	9.56	29.715	14.73	24	PASS
100	5500	12.07	11.71	13.42	52.91	17.24	24	PASS
116	5580	18.36	17.86	19.48	218.359	23.39	24	PASS
132	5660	17.25	16.57	18.41	167.825	22.25	24	PASS
140	5700	17.16	16.45	18.34	164.391	22.16	24	PASS
144 (UNII-2c Band)	5720	15.19	15.26	14.99	98.161	19.92	22.85	PASS
144 (UNII-3 Band)	5720	9.00	9.42	8.74	24.175	13.83	24.22	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
36	5180	20.70	20.69	20.61
40	5200	20.69	20.57	20.89
48	5240	20.83	20.64	20.68
52	5260	20.95	20.70	20.47
60	5300	20.79	20.57	20.55
64	5320	21.01	20.47	20.56
100	5500	21.03	20.48	20.79
116	5580	20.77	20.53	20.90
132	5660	20.74	20.54	20.74
140	5700	20.85	20.61	20.76
144 (UNII-2c Band)	5720	15.57	15.33	16.28
144 (UNII-3 Band)	5720	5.44	5.28	5.33

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.61	17.14 > 17
40	5200	20.57	17.13 > 17
48	5240	20.64	17.14 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.47	24.11 > 24
60	5300	20.55	24.12 > 24
64	5320	20.47	24.11 > 24
100	5500	20.48	24.11 > 24
116	5580	20.53	24.12 > 24
132	5660	20.54	24.12 > 24
140	5700	20.61	24.14 > 24
144 (UNII-2c Band)	5720	15.33	22.85 < 24
144 (UNII-3 Band)	5720	5.28	24.22 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	11.26	11.44	12.98	47.159	16.74	17	PASS
46	5230	11.08	11.40	12.69	45.205	16.55	17	PASS
54	5270	12.82	12.55	13.33	58.66	17.68	24	PASS
62	5310	12.78	12.17	13.19	56.294	17.50	24	PASS
102	5510	15.15	14.65	16.75	109.223	20.38	24	PASS
110	5550	15.83	15.33	17.78	132.38	21.22	24	PASS
134	5670	18.91	17.99	20.34	248.898	23.96	24	PASS
142 (UNII-2c Band)	5710	16.64	16.57	16.72	138.515	21.41	24	PASS
142 (UNII-3 Band)	5710	6.76	6.18	6.57	13.431	11.28	24.16	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
38	5190	41.10	40.79	40.72
46	5230	41.22	40.69	40.68
54	5270	41.12	40.80	40.59
62	5310	41.09	41.00	40.62
102	5510	41.14	40.64	40.74
110	5550	41.07	40.70	40.49
134	5670	50.51	42.49	51.48
142 (UNII-2c Band)	5710	40.83	40.43	36.43
142 (UNII-3 Band)	5710	5.58	5.43	5.21

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.72	20.09 > 17
46	5230	40.68	20.09 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.59	27.08 > 24
62	5310	40.62	27.08 > 24
102	5510	40.64	27.08 > 24
110	5550	40.49	27.07 > 24
134	5670	42.49	27.28 > 24
142 (UNII-2c Band)	5710	36.43	26.61 > 24
142 (UNII-3 Band)	5710	5.21	24.16 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	11.46	11.55	13.00	48.238	16.83	17	PASS
58	5290	13.36	13.39	14.01	68.681	18.37	24	PASS
106	5530	14.34	13.95	15.44	86.99	19.39	24	PASS
138 (UNII-2c Band)	5690	16.92	16.82	16.95	152.951	21.85	24	PASS
138 (UNII-3 Band)	5690	2.73	2.69	3.52	6.231	7.95	24.98	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)								

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
42	5210	83.52	83.12	81.97
52	5290	82.83	82.75	82.28
106	5530	83.17	82.63	82.03
138 (UNII-2c Band)	5690	76.72	76.71	76.38
138 (UNII-3 Band)	5690	6.57	6.29	6.31

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	81.97	23.13 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.28	30.15 > 24
106	5530	82.03	30.13 > 24
138 (UNII-2c Band)	5690	76.38	29.82 > 24
138 (UNII-3 Band)	5690	6.29	24.98 < 30

4.3.16 TEST RESULTS (MODE 10)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	8.92	9.47	10.50	27.869	14.45	17	PASS
40	5200	9.04	9.23	10.29	27.083	14.33	17	PASS
48	5240	8.77	9.24	10.37	26.818	14.28	17	PASS
52	5260	12.09	12.06	12.05	48.282	16.84	24	PASS
60	5300	10.62	9.68	9.74	30.244	14.81	24	PASS
64	5320	10.43	9.84	9.56	29.715	14.73	24	PASS
100	5500	12.07	11.71	13.42	52.91	17.24	24	PASS
116	5580	16.64	15.93	17.32	139.257	21.44	24	PASS
132	5660	16.55	15.87	17.71	142.843	21.55	24	PASS
140	5700	16.67	15.94	17.86	146.81	21.67	24	PASS
144 (UNII-2c Band)	5720	13.30	13.23	14.43	70.151	18.46	22.85	PASS
144 (UNII-3 Band)	5720	8.07	8.13	8.70	20.326	13.08	24.17	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
36	5180	20.94	20.47	20.69
40	5200	20.76	20.56	20.68
48	5240	20.87	20.72	20.68
52	5260	20.95	20.70	20.47
60	5300	20.79	20.57	20.55
64	5320	21.01	20.47	20.56
100	5500	21.03	20.48	20.79
116	5580	20.89	20.75	20.66
132	5660	20.92	20.66	20.69
140	5700	20.76	20.63	20.76
144 (UNII-2c Band)	5720	15.49	15.33	15.47
144 (UNII-3 Band)	5720	5.39	5.22	5.28

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.47	17.11 > 17
40	5200	20.56	17.13 > 17
48	5240	20.68	17.15 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.47	24.11 > 24
60	5300	20.55	24.12 > 24
64	5320	20.47	24.11 > 24
100	5500	20.48	24.11 > 24
116	5580	20.66	24.15 > 24
132	5660	20.66	24.15 > 24
140	5700	20.63	24.14 > 24
144 (UNII-2c Band)	5720	15.33	22.85 < 24
144 (UNII-3 Band)	5720	5.22	24.17 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	11.26	11.44	12.98	47.159	16.74	17	PASS
46	5230	11.08	11.40	12.69	45.205	16.55	17	PASS
54	5270	12.82	12.55	13.33	58.66	17.68	24	PASS
62	5310	12.78	12.17	13.19	56.294	17.50	24	PASS
102	5510	15.15	14.65	16.75	109.223	20.38	24	PASS
110	5550	15.83	15.33	17.78	132.38	21.22	24	PASS
134	5670	18.91	17.99	20.34	248.898	23.96	24	PASS
142 (UNII-2c Band)	5710	16.64	16.57	16.72	138.515	21.41	24	PASS
142 (UNII-3 Band)	5710	6.76	6.18	6.57	13.431	11.28	24.16	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
38	5190	41.10	40.79	40.72
46	5230	41.22	40.69	40.68
54	5270	41.12	40.80	40.59
62	5310	41.09	41.00	40.62
102	5510	41.14	40.64	40.74
110	5550	41.07	40.70	40.49
134	5670	50.51	42.49	51.48
142 (UNII-2c Band)	5710	40.83	40.43	36.43
142 (UNII-3 Band)	5710	5.58	5.43	5.21

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.72	20.09 > 17
46	5230	40.68	20.09 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.59	27.08 > 24
62	5310	40.62	27.08 > 24
102	5510	40.64	27.08 > 24
110	5550	40.49	27.07 > 24
134	5670	42.49	27.28 > 24
142 (UNII-2c Band)	5710	36.43	26.61 > 24
142 (UNII-3 Band)	5710	5.21	24.16 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	11.46	11.55	13.00	48.238	16.83	17	PASS
58	5290	13.36	13.39	14.01	68.681	18.37	24	PASS
106	5530	14.34	13.95	15.44	86.99	19.39	24	PASS
138 (UNII-2c Band)	5690	16.92	16.82	16.95	152.951	21.85	24	PASS
138 (UNII-3 Band)	5690	2.73	2.69	3.52	6.231	7.95	24.98	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)								

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
42	5210	83.52	83.12	81.97
52	5290	82.83	82.75	82.28
106	5530	83.17	82.63	82.03
138 (UNII-2c Band)	5690	76.72	76.71	76.38
138 (UNII-3 Band)	5690	6.57	6.29	6.31

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	81.97	23.13 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.28	30.15 > 24
106	5530	82.03	30.13 > 24
138 (UNII-2c Band)	5690	76.38	29.82 > 24
138 (UNII-3 Band)	5690	6.29	24.98 < 30

4.3.17 TEST RESULTS (MODE 11)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	11.06	11.18	12.47	43.546	16.39	17	PASS
40	5200	10.95	11.35	12.60	44.288	16.46	17	PASS
48	5240	10.68	11.40	12.81	44.598	16.49	17	PASS
52	5260	13.38	13.22	13.56	65.465	18.16	24	PASS
60	5300	15.30	14.82	15.71	101.462	20.06	24	PASS
64	5320	12.13	11.36	12.13	46.339	16.66	24	PASS
100	5500	13.56	12.93	14.87	73.023	18.63	24	PASS
116	5580	18.36	17.86	19.48	218.359	23.39	24	PASS
132	5660	16.91	16.10	17.82	150.363	21.77	24	PASS
140	5700	16.65	16.13	17.62	145.068	21.62	24	PASS
144 (UNII-2c Band)	5720	15.19	15.26	14.99	98.161	19.92	22.85	PASS
144 (UNII-3 Band)	5720	9.00	9.42	8.74	24.175	13.83	24.22	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
36	5180	20.70	20.69	20.61
40	5200	20.69	20.57	20.89
48	5240	20.83	20.64	20.68
52	5260	20.78	20.63	20.57
60	5300	20.68	20.56	20.72
64	5320	20.75	20.60	20.69
100	5500	20.71	20.55	20.79
116	5580	20.77	20.53	20.90
132	5660	20.62	20.65	20.77
140	5700	20.76	20.63	20.76
144 (UNII-2c Band)	5720	15.57	15.33	16.28
144 (UNII-3 Band)	5720	5.44	5.28	5.33

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.61	17.14 > 17
40	5200	20.57	17.13 > 17
48	5240	20.64	17.14 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.57	24.13 > 24
60	5300	20.56	24.13 > 24
64	5320	20.60	24.13 > 24
100	5500	20.55	24.12 > 24
116	5580	20.53	24.12 > 24
132	5660	20.62	24.14 > 24
140	5700	20.63	24.14 > 24
144 (UNII-2c Band)	5720	15.33	22.85 < 24
144 (UNII-3 Band)	5720	5.28	24.22 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	11.26	11.44	12.98	47.159	16.74	17	PASS
46	5230	11.08	11.40	12.69	45.205	16.55	17	PASS
54	5270	15.76	15.42	15.72	109.829	20.41	24	PASS
62	5310	16.18	15.86	16.54	125.125	20.97	24	PASS
102	5510	16.11	15.63	17.83	138.065	21.40	24	PASS
110	5550	18.32	18.10	20.23	237.924	23.76	24	PASS
134	5670	18.16	17.83	19.66	218.608	23.40	24	PASS
142 (UNII-2c Band)	5710	17.18	16.77	17.34	153.974	21.87	24	PASS
142 (UNII-3 Band)	5710	6.98	6.85	5.61	13.47	11.29	24.28	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
38	5190	41.10	40.79	40.72
46	5230	41.22	40.69	40.68
54	5270	40.83	40.63	40.83
62	5310	40.88	40.73	41.14
102	5510	40.77	40.91	41.02
110	5550	40.95	42.28	59.01
134	5670	40.83	41.03	52.05
142 (UNII-2c Band)	5710	35.59	37.64	38.45
142 (UNII-3 Band)	5710	5.35	5.48	8.45

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.72	20.09 > 17
46	5230	40.68	20.09 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.63	27.08 > 24
62	5310	40.73	27.09 > 24
102	5510	40.77	27.1 > 24
110	5550	40.95	27.12 > 24
134	5670	40.83	27.1 > 24
142 (UNII-2c Band)	5710	35.59	26.51 > 24
142 (UNII-3 Band)	5710	5.35	24.28 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	11.46	11.55	13.00	48.238	16.83	17	PASS
58	5290	15.65	15.34	16.13	111.946	20.49	24	PASS
106	5530	15.77	15.45	16.73	119.93	20.79	24	PASS
138 (UNII-2c Band)	5690	16.52	16.61	16.68	142.967	21.55	24	PASS
138 (UNII-3 Band)	5690	1.51	2.61	3.06	5.482	7.39	25.14	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)								

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
42	5210	83.52	83.12	81.97
52	5290	82.59	82.77	82.86
106	5530	82.80	82.67	82.93
138 (UNII-2c Band)	5690	76.66	76.53	76.79
138 (UNII-3 Band)	5690	6.52	7.25	6.52

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	81.97	23.13 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.59	30.16 > 24
106	5530	82.67	30.17 > 24
138 (UNII-2c Band)	5690	76.53	29.83 > 24
138 (UNII-3 Band)	5690	6.52	25.14 < 30

4.3.18 TEST RESULTS (MODE 12)

802.11ac (VHT20)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	11.06	11.18	12.47	43.546	16.39	17	PASS
40	5200	10.95	11.35	12.60	44.288	16.46	17	PASS
48	5240	10.68	11.40	12.81	44.598	16.49	17	PASS
52	5260	12.09	12.06	12.05	48.282	16.84	24	PASS
60	5300	10.62	9.68	9.74	30.244	14.81	24	PASS
64	5320	10.43	9.84	9.56	29.715	14.73	24	PASS
100	5500	12.07	11.71	13.42	52.91	17.24	24	PASS
116	5580	18.36	17.86	19.48	218.359	23.39	24	PASS
132	5660	17.25	16.57	18.41	167.825	22.25	24	PASS
140	5700	17.16	16.45	18.34	164.391	22.16	24	PASS
144 (UNII-2c Band)	5720	15.19	15.26	14.99	98.161	19.92	22.85	PASS
144 (UNII-3 Band)	5720	9.00	9.42	8.74	24.175	13.83	24.22	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
36	5180	20.70	20.69	20.61
40	5200	20.69	20.57	20.89
48	5240	20.83	20.64	20.68
52	5260	20.95	20.70	20.47
60	5300	20.79	20.57	20.55
64	5320	21.01	20.47	20.56
100	5500	21.03	20.48	20.79
116	5580	20.77	20.53	20.90
132	5660	20.74	20.54	20.74
140	5700	20.85	20.61	20.76
144 (UNII-2c Band)	5720	15.57	15.33	16.28
144 (UNII-3 Band)	5720	5.44	5.28	5.33

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
36	5180	20.61	17.14 > 17
40	5200	20.57	17.13 > 17
48	5240	20.64	17.14 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.47	24.11 > 24
60	5300	20.55	24.12 > 24
64	5320	20.47	24.11 > 24
100	5500	20.48	24.11 > 24
116	5580	20.53	24.12 > 24
132	5660	20.54	24.12 > 24
140	5700	20.61	24.14 > 24
144 (UNII-2c Band)	5720	15.33	22.85 < 24
144 (UNII-3 Band)	5720	5.28	24.22 < 30

802.11ac(VHT40)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	11.26	11.44	12.98	47.159	16.74	17	PASS
46	5230	11.08	11.40	12.69	45.205	16.55	17	PASS
54	5270	12.82	12.55	13.33	58.66	17.68	24	PASS
62	5310	12.78	12.17	13.19	56.294	17.50	24	PASS
102	5510	15.15	14.65	16.75	109.223	20.38	24	PASS
110	5550	15.83	15.33	17.78	132.38	21.22	24	PASS
134	5670	18.91	17.99	20.34	248.898	23.96	24	PASS
142 (UNII-2c Band)	5710	16.64	16.57	16.72	138.515	21.41	24	PASS
142 (UNII-3 Band)	5710	6.76	6.18	6.57	13.431	11.28	24.16	PASS

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
38	5190	41.10	40.79	40.72
46	5230	41.22	40.69	40.68
54	5270	41.12	40.80	40.59
62	5310	41.09	41.00	40.62
102	5510	41.14	40.64	40.74
110	5550	41.07	40.70	40.49
134	5670	50.51	42.49	51.48
142 (UNII-2c Band)	5710	40.83	40.43	36.43
142 (UNII-3 Band)	5710	5.58	5.43	5.21

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
38	5190	40.72	20.09 > 17
46	5230	40.68	20.09 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	40.59	27.08 > 24
62	5310	40.62	27.08 > 24
102	5510	40.64	27.08 > 24
110	5550	40.49	27.07 > 24
134	5670	42.49	27.28 > 24
142 (UNII-2c Band)	5710	36.43	26.61 > 24
142 (UNII-3 Band)	5710	5.21	24.16 < 30

802.11ac (VHT80)

POWER OUTPUT

CHAN.	CHAN. FREQ. (MHz)	AVERAGE POWER (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
42	5210	11.46	11.55	13.00	48.238	16.83	17	PASS
58	5290	13.36	13.39	14.01	68.681	18.37	24	PASS
106	5530	14.34	13.95	15.44	86.99	19.39	24	PASS
138 (UNII-2c Band)	5690	16.92	16.82	16.95	152.951	21.85	24	PASS
138 (UNII-3 Band)	5690	2.73	2.69	3.52	6.231	7.95	24.98	PASS
For CH138: Average Power (dBm)= measured value(dBm) + Duty Factor (0.18dB)								

26dB OCCUPIED BANDWIDTH

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)		
		CHAIN 0	CHAIN 1	CHAIN 2
42	5210	83.52	83.12	81.97
52	5290	82.83	82.75	82.28
106	5530	83.17	82.63	82.03
138 (UNII-2c Band)	5690	76.72	76.71	76.38
138 (UNII-3 Band)	5690	6.57	6.29	6.31

Note: For output power limitation is determined based on 26dBc bandwidth.

Power Limit = 4dBm + 10logB < UNII Band 1 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
42	5210	81.97	23.13 > 17
Power Limit = 11dBm + 10logB < UNII Band 2~3 >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5290	82.28	30.15 > 24
106	5530	82.03	30.13 > 24
138 (UNII-2c Band)	5690	76.38	29.82 > 24
138 (UNII-3 Band)	5690	6.29	24.98 < 30

4.4 PEAK POWER SPECTRAL DENSITY MEASUREMENT

4.4.1 LIMITS OF PEAK POWER SPECTRAL DENSITY MEASUREMENT

Frequency Band	Limit
5.15 ~ 5.25GHz	4dBm
5.25 ~ 5.35GHz	11dBm
5.47 – 5.725GHz	11dBm
5.725 ~ 5.825GHz	17dBm

4.4.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
SPECTRUM ANALYZER R&S	FSV 40	100964	July 15, 2013	July 14, 2014

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 : June 19, 2014

4.4.3 TEST PROCEDURES

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

Using method SA-1

1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
2) Set RBW = 30 KHz, Set VBW ≥ 1 MHz, Detector = RMS
3) Set Channel power measure = 1MHz
4) Sweep time = auto, trigger set to “free run”.
5) Trace average at least 100 traces in power averaging mode.
6) Record the max value

For 802.11ac (VHT80) test

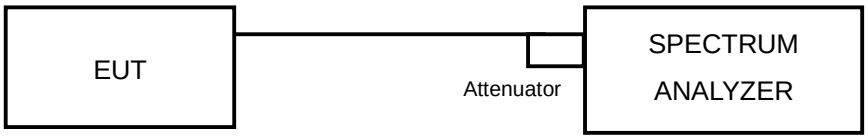
Using method SA-2

1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
2) Set RBW = 1 MHz, Set VBW ≥ 3 MHz, Detector = RMS
3) Sweep time = auto, trigger set to “free run”.
4) Trace average at least 100 traces in power averaging mode.
5) Record the max value and add 10 log (1/duty cycle)

4.4.4 DEVIATION FROM TEST STANDARD

No deviation

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

Same as 4.3.6

4.4.7 TEST RESULTS(MODE 1)

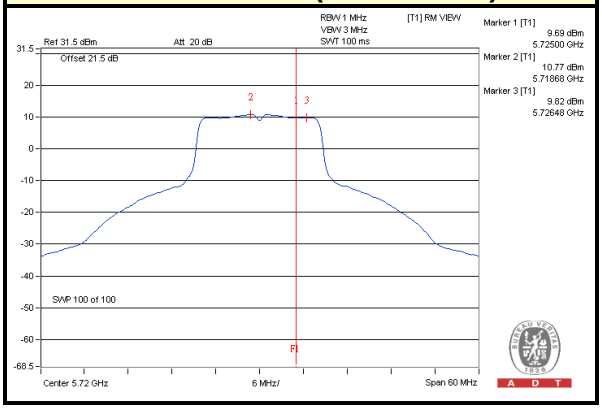
802.11a

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
36	5180	3.47	4	PASS
40	5200	3.42	4	PASS
48	5240	3.61	4	PASS
52	5260	5.78	11	PASS
60	5300	5.36	11	PASS
64	5320	4.84	11	PASS
100	5500	6.94	11	PASS
116	5580	10.49	11	PASS
132	5660	8.99	11	PASS
140	5700	7.30	11	PASS
144 (UNII-2c Band)	5720	10.77	11	PASS
144 (UNII-3 Band)	5720	9.82	17	PASS

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

SPECTRUM PLOT OF WORST VALUE

802.11a : CH144 (UNII-2c Band)



4.4.8 TEST RESULTS(MODE 2)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
36	5180	-0.32	-0.05	2.83	3.10	PASS
40	5200	-0.17	0.06	2.96	3.10	PASS
48	5240	0.07	0.04	3.07	3.10	PASS
52	5260	0.18	-0.44	2.89	10.08	PASS
60	5300	-3.04	-4.92	-0.87	10.08	PASS
64	5320	-1.92	-3.62	0.32	10.08	PASS
100	5500	-1.14	-0.92	1.98	9.88	PASS
116	5580	4.87	5.11	8.00	9.88	PASS
132	5660	4.04	4.43	7.25	9.88	PASS
140	5700	4.57	4.70	7.65	9.88	PASS
144 (UNII-2c Band)	5720	6.22	6.45	9.35	9.88	PASS
144 (UNII-3 Band)	5720	5.57	5.77	8.68	15.88	PASS

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

2. 5150~5250MHz: Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2 / 2] = 6.9dBi > 6dBi , so the power density limit shall be reduced to 4-(6.9-6) = 3.10dBm.

3. 5250~5350MHz: Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2 / 2] = 6.92dBi > 6dBi, so the power density limit shall be reduced to 11-(6.92-6) = 10.08dBm.

4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2 / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 11-(7.12-6) = 9.88dBm.

5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2 / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 17-(7.12-6) = 15.88dBm.

802.11ac (VHT40)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
38	5190	-3.93	-4.30	-1.10	3.10	PASS
46	5230	-3.79	-4.24	-1.00	3.10	PASS
54	5270	-2.15	-2.52	0.68	10.08	PASS
62	5310	-2.25	-2.66	0.56	10.08	PASS
102	5510	-1.49	-0.43	2.08	9.88	PASS
110	5550	-0.30	0.29	3.02	9.88	PASS
134	5670	2.11	3.56	5.91	9.88	PASS
142 (UNII-2c Band)	5710	4.19	3.95	7.08	9.88	PASS
142 (UNII-3 Band)	5710	2.97	2.77	5.88	15.88	PASS

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

2. 5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.9dBi > 6dBi , so the power density limit shall be reduced to 4-(6.9-6) = 3.10dBm.

3. 5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.92dBi > 6dBi, so the power density limit shall be reduced to 11-(6.92-6) = 10.08dBm.

4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 11-(7.12-6) = 9.88dBm.

5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 17-(7.12-6) = 15.88dBm.

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
42	5210	-5.60	-6.28	-2.74	3.10	PASS
58	5290	-5.71	-6.80	-3.03	10.08	PASS
106	5530	-5.81	-5.56	-2.50	9.88	PASS
138 (UNII-2c Band)	5690	0.74	0.77	3.94	9.88	PASS
138 (UNII-3 Band)	5510	-0.70	-0.71	2.48	15.88	PASS

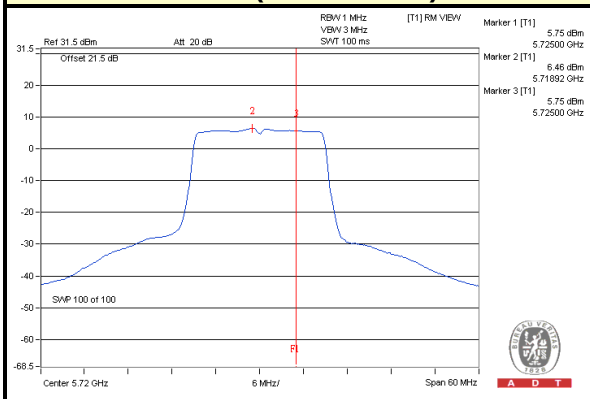
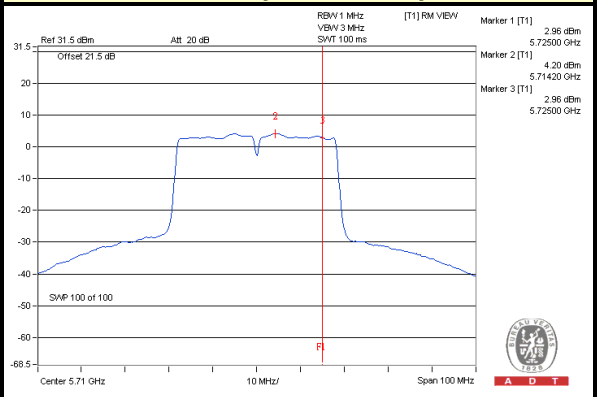
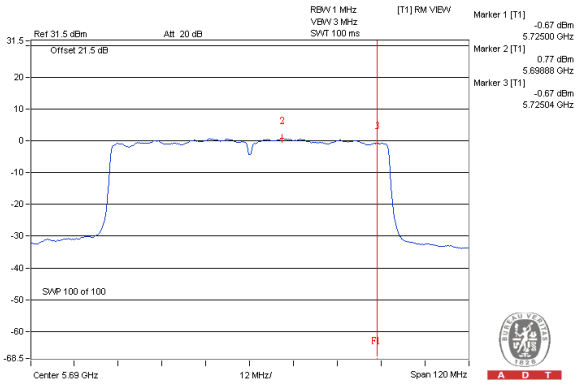
NOTE: 1. Method 1) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. 5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.9dBi > 6dBi , so the power density limit shall be reduced to 4-(6.9-6) = 3.10dBm.

3. 5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.92dBi > 6dBi, so the power density limit shall be reduced to 11-(6.92-6) = 10.08dBm.

4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 11-(7.12-6) = 9.88dBm.

5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 17-(7.12-6) = 15.88dBm.

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(2) : CH144 (UNII-2c Band)	**802.11ac (VHT40) / Chain(1) : CH144 (UNII-3 Band)**
	
802.11ac (VHT80) / Chain(2) : CH142 (UNII-2c Band)	
	

4.4.9 TEST RESULTS(MODE 3)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
36	5180	0.43	1.28	3.89	4	PASS
40	5200	0.49	1.24	3.89	4	PASS
48	5240	0.50	1.21	3.88	4	PASS
52	5260	0.18	-0.44	2.89	11	PASS
60	5300	-3.04	-4.92	-0.87	11	PASS
64	5320	-1.92	-3.62	0.32	11	PASS
100	5500	-1.14	-0.92	1.98	11	PASS
116	5580	4.87	5.11	8.00	11	PASS
132	5660	4.04	4.43	7.25	11	PASS
140	5700	4.57	4.70	7.65	11	PASS
144 (UNII-2c Band)	5720	7.54	7.90	10.73	11	PASS
144 (UNII-3 Band)	5720	6.70	7.66	10.22	17	PASS

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

802.11ac (VHT40)

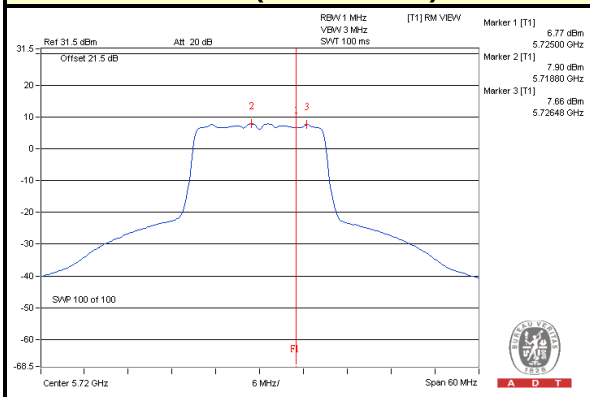
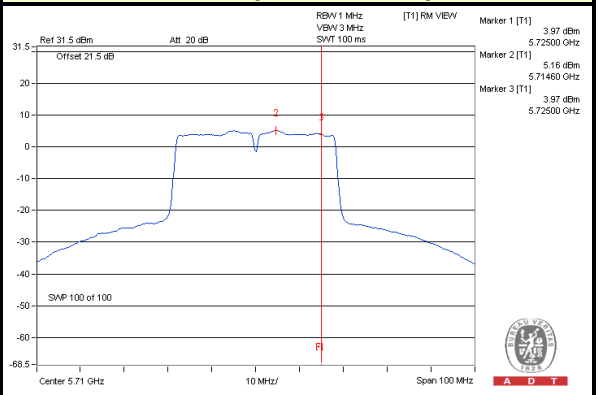
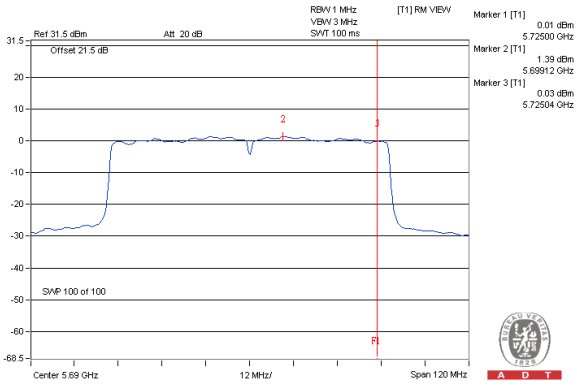
CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
38	5190	-3.04	-2.16	0.43	4	PASS
46	5230	-2.89	-1.92	0.63	4	PASS
54	5270	-2.15	-2.52	0.68	11	PASS
62	5310	-2.25	-2.66	0.56	11	PASS
102	5510	-1.49	-0.43	2.08	11	PASS
110	5550	-0.30	0.29	3.02	11	PASS
134	5670	2.11	3.56	5.91	11	PASS
142 (UNII-2c Band)	5710	4.73	5.16	7.96	11	PASS
142 (UNII-3 Band)	5710	3.53	3.93	6.74	17	PASS

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

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
42	5210	-5.72	-4.87	-2.09	4	PASS
58	5290	-5.71	-6.80	-3.03	11	PASS
106	5530	-5.81	-5.56	-2.50	11	PASS
138 (UNII-2c Band)	5690	1.19	1.38	4.47	11	PASS
138 (UNII-3 Band)	5510	0.04	-0.25	3.09	17	PASS

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

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(2) : CH144 (UNII-2c Band)	**802.11ac (VHT40) / Chain(2) : CH142 (UNII-2c Band)**
	
802.11ac (VHT80) / Chain(2) : CH138 (UNII-2c Band)	
	

4.4.10 TEST RESULTS(MODE 4)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
36	5180	-0.32	-0.05	2.83	3.10	PASS
40	5200	-0.17	0.06	2.96	3.10	PASS
48	5240	0.07	0.04	3.07	3.10	PASS
52	5260	0.18	-0.44	2.89	10.08	PASS
60	5300	-3.04	-4.92	-0.87	10.08	PASS
64	5320	-1.92	-3.62	0.32	10.08	PASS
100	5500	-1.14	-0.92	1.98	9.88	PASS
116	5580	4.87	5.11	8.00	9.88	PASS
132	5660	4.04	4.43	7.25	9.88	PASS
140	5700	4.57	4.70	7.65	9.88	PASS
144 (UNII-2c Band)	5720	6.22	6.45	9.35	9.88	PASS
144 (UNII-3 Band)	5720	5.57	5.77	8.68	15.88	PASS

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

2. 5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.9dBi > 6dBi , so the power density limit shall be reduced to 4-(6.9-6) = 3.10dBm.

3. 5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.92dBi > 6dBi, so the power density limit shall be reduced to 11-(6.92-6) = 10.08dBm.

4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 11-(7.12-6) = 9.88dBm.

5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 17-(7.12-6) = 15.88dBm.

802.11ac (VHT40)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
38	5190	-3.04	-2.16	0.43	3.10	PASS
46	5230	-2.89	-1.92	0.63	3.10	PASS
54	5270	-2.15	-2.52	0.68	10.08	PASS
62	5310	-2.25	-2.66	0.56	10.08	PASS
102	5510	-1.49	-0.43	2.08	9.88	PASS
110	5550	-0.30	0.29	3.02	9.88	PASS
134	5670	2.11	3.56	5.91	9.88	PASS
142 (UNII-2c Band)	5710	4.73	5.16	7.96	9.88	PASS
142 (UNII-3 Band)	5710	3.53	3.93	6.74	15.88	PASS

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

2. 5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.9dBi > 6dBi , so the power density limit shall be reduced to 4-(6.9-6) = 3.10dBm.

3. 5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 6.92dBi > 6dBi, so the power density limit shall be reduced to 11-(6.92-6) = 10.08dBm.

4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 11-(7.12-6) = 9.88dBm.

5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2$ / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 17-(7.12-6) = 15.88dBm.

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
42	5210	-5.72	-4.87	-2.09	3.10	PASS
58	5290	-5.71	-6.80	-3.03	10.08	PASS
106	5530	-5.81	-5.56	-2.50	9.88	PASS
138 (UNII-2c Band)	5690	1.19	1.38	4.47	9.88	PASS
138 (UNII-3 Band)	5510	0.04	-0.25	3.09	15.88	PASS

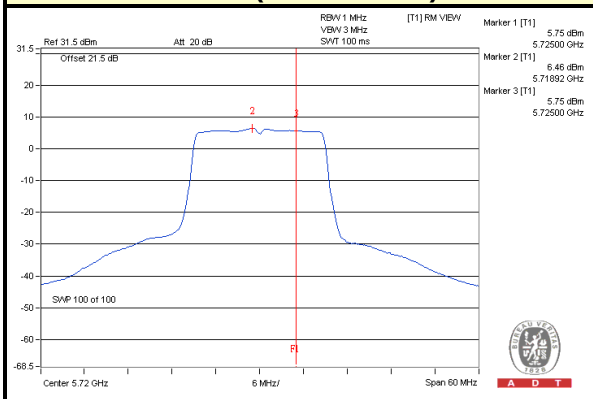
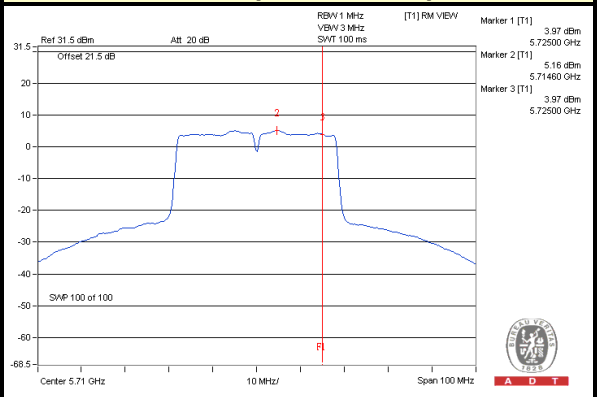
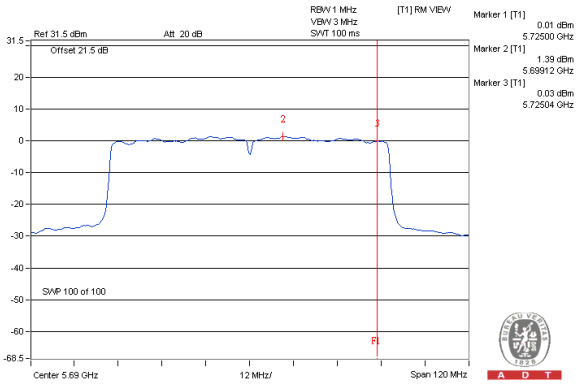
NOTE: 1. Method 1) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. 5150~5250MHz: Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2 / 2] = 6.9dBi > 6dBi , so the power density limit shall be reduced to 4-(6.9-6) = 3.10dBm.

3. 5250~5350MHz: Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2 / 2] = 6.92dBi > 6dBi, so the power density limit shall be reduced to 11-(6.92-6) = 10.08dBm.

4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2 / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 11-(7.12-6) = 9.88dBm.

5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2 / 2] = 7.12dBi > 6dBi, so the power density limit shall be reduced to 17-(7.12-6) = 15.88dBm.

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(2) : CH144 (UNII-2c Band)	**802.11ac (VHT40) / Chain(2) : CH144 (UNII-2c Band)**
	
802.11ac (VHT80) / Chain(2) : CH142 (UNII-2c Band)	
	

4.4.11 TEST RESULTS(MODE 5)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
36	5180	0.43	1.28	3.89	4	PASS
40	5200	0.49	1.24	3.89	4	PASS
48	5240	0.50	1.21	3.88	4	PASS
52	5260	3.34	3.16	6.26	11	PASS
60	5300	3.28	3.15	6.23	11	PASS
64	5320	1.61	1.00	4.33	11	PASS
100	5500	2.12	2.54	5.35	11	PASS
116	5580	6.47	6.72	9.61	11	PASS
132	5660	4.99	5.32	8.17	11	PASS
140	5700	4.96	5.38	8.19	11	PASS
144 (UNII-2c Band)	5720	7.54	7.90	10.73	11	PASS
144 (UNII-3 Band)	5720	6.70	7.66	10.22	17	PASS

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

802.11ac (VHT40)

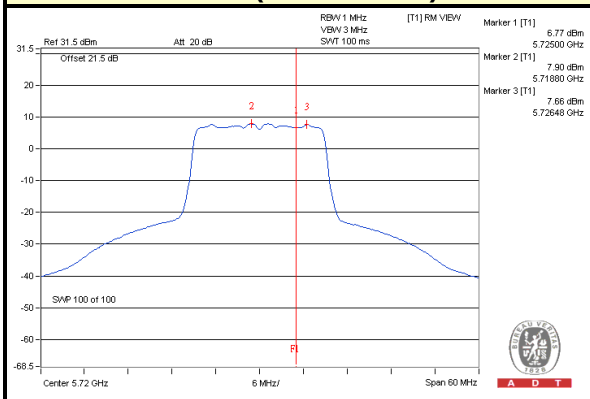
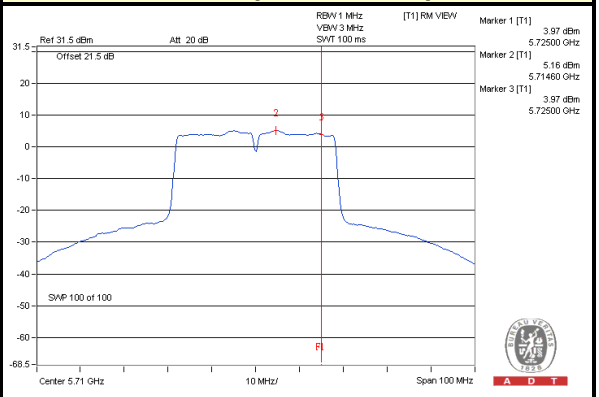
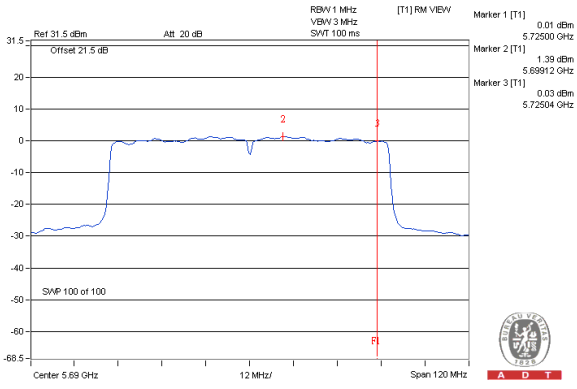
CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
38	5190	-3.04	-2.16	0.43	4	PASS
46	5230	-2.89	-1.92	0.63	4	PASS
54	5270	1.99	1.98	5.00	11	PASS
62	5310	0.51	0.18	3.36	11	PASS
102	5510	-0.16	0.36	3.12	11	PASS
110	5550	2.94	3.47	6.22	11	PASS
134	5670	3.60	3.95	6.79	11	PASS
142 (UNII-2c Band)	5710	4.73	5.16	7.96	11	PASS
142 (UNII-3 Band)	5710	3.53	3.93	6.74	17	PASS

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

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
42	5210	-5.72	-4.87	-2.09	4	PASS
58	5290	-5.24	-5.77	-2.31	11	PASS
106	5530	-3.51	-3.33	-0.23	11	PASS
138 (UNII-2c Band)	5690	1.19	1.38	4.47	11	PASS
138 (UNII-3 Band)	5510	0.04	-0.25	3.09	17	PASS

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

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(2) : CH144 (UNII-2c Band)	**802.11ac (VHT40) / Chain(2) : CH142 (UNII-2c Band)**
	
802.11ac (VHT80) / Chain(2) : CH138 (UNII-2c Band)	
	

4.4.12 TEST RESULTS(MODE 6)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
36	5180	0.43	1.28	3.89	4	PASS
40	5200	0.49	1.24	3.89	4	PASS
48	5240	0.50	1.21	3.88	4	PASS
52	5260	0.18	-0.44	2.89	11	PASS
60	5300	-3.04	-4.92	-0.87	11	PASS
64	5320	-1.92	-3.62	0.32	11	PASS
100	5500	-1.14	-0.92	1.98	11	PASS
116	5580	4.87	5.11	8.00	11	PASS
132	5660	4.04	4.43	7.25	11	PASS
140	5700	4.57	4.70	7.65	11	PASS
144 (UNII-2c Band)	5720	7.54	7.90	10.73	11	PASS
144 (UNII-3 Band)	5720	6.70	7.66	10.22	17	PASS

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

802.11ac (VHT40)

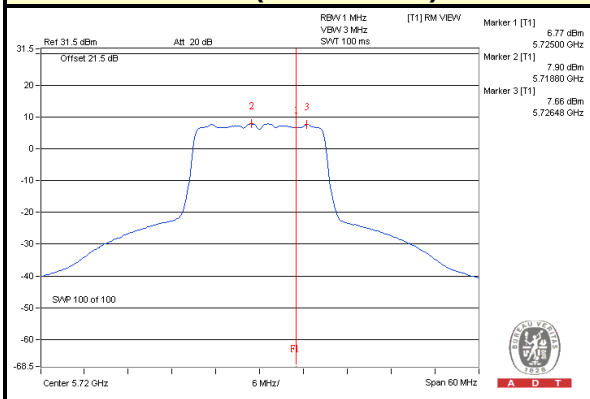
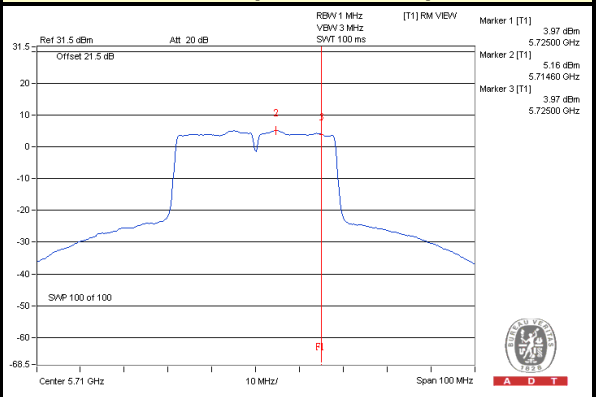
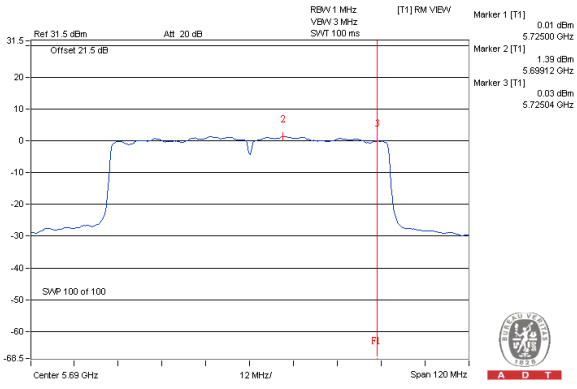
CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
38	5190	-3.04	-2.16	0.43	4	PASS
46	5230	-2.89	-1.92	0.63	4	PASS
54	5270	-2.15	-2.52	0.68	11	PASS
62	5310	-2.25	-2.66	0.56	11	PASS
102	5510	-1.49	-0.43	2.08	11	PASS
110	5550	-0.30	0.29	3.02	11	PASS
134	5670	2.11	3.56	5.91	11	PASS
142 (UNII-2c Band)	5710	4.73	5.16	7.96	11	PASS
142 (UNII-3 Band)	5710	3.53	3.93	6.74	17	PASS

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

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 1	CHAIN 2			
42	5210	-5.72	-4.87	-2.09	4	PASS
58	5290	-5.71	-6.80	-3.03	11	PASS
106	5530	-5.81	-5.56	-2.50	11	PASS
138 (UNII-2c Band)	5690	1.19	1.38	4.47	11	PASS
138 (UNII-3 Band)	5510	0.04	-0.25	3.09	17	PASS

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

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(2) : CH144 (UNII-2c Band)	**802.11ac (VHT40) / Chain(2) : CH142 (UNII-2c Band)**
	
802.11ac (VHT80) / Chain(2) : CH138 (UNII-2c Band)	
	

4.4.13 TEST RESULTS(MODE 7)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
36	5180	-4.68	-3.72	-3.74	0.75	1.74	PASS
40	5200	-4.50	-3.59	-4.06	0.74	1.74	PASS
48	5240	-4.88	-3.65	-3.98	0.63	1.74	PASS
52	5260	-1.58	-1.22	-2.29	3.10	8.67	PASS
60	5300	-3.48	-3.08	-4.94	1.01	8.67	PASS
64	5320	-3.15	-2.78	-4.70	1.30	8.67	PASS
100	5500	-1.70	-1.14	-0.92	3.53	8.80	PASS
116	5580	2.69	2.81	3.59	7.82	8.80	PASS
132	5660	2.51	3.03	3.21	7.70	8.80	PASS
140	5700	2.79	3.03	3.31	7.82	8.80	PASS
144 (UNII-2c Band)	5720	2.75	2.88	2.97	7.64	8.80	PASS
144 (UNII-3 Band)	5720	2.25	1.63	2.12	6.78	14.80	PASS

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

2. 5150~5250MHz: Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.26dBi > 6dBi , so the power density limit shall be reduced to 4-(8.26-6) = 1.74dBm.
3. 5250~5350MHz: Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.33dBi > 6dBi, so the power density limit shall be reduced to 11-(8.33-6) = 8.67dBm.
4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 11-(8.20-6) = 8.80dBm.
5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 17-(8.20-6) = 14.80dBm.

802.11ac (VHT40)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
38	5190	-8.59	-8.35	-6.65	-3.00	1.74	PASS
46	5230	-7.90	-8.18	-6.37	-2.64	1.74	PASS
54	5270	-3.65	-2.98	-4.31	1.16	8.67	PASS
62	5310	-3.80	-3.40	-4.41	0.92	8.67	PASS
102	5510	-1.28	-1.49	-0.43	3.73	8.80	PASS
110	5550	-0.38	-0.30	0.29	4.65	8.80	PASS
134	5670	-0.67	-0.77	-0.71	4.05	8.80	PASS
142 (UNII-2c Band)	5710	-0.70	-0.74	-0.44	4.15	8.80	PASS
142 (UNII-3 Band)	5710	-1.50	-1.50	-1.67	3.22	14.80	PASS

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

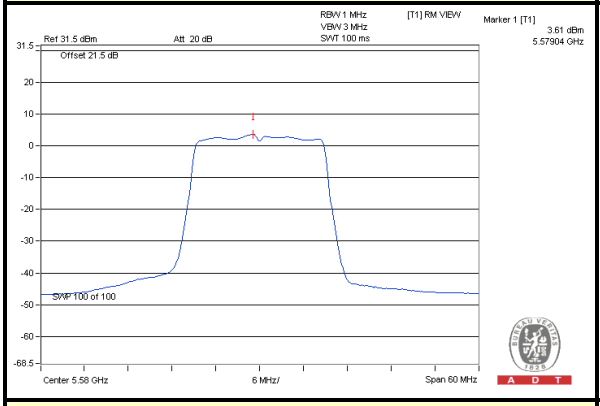
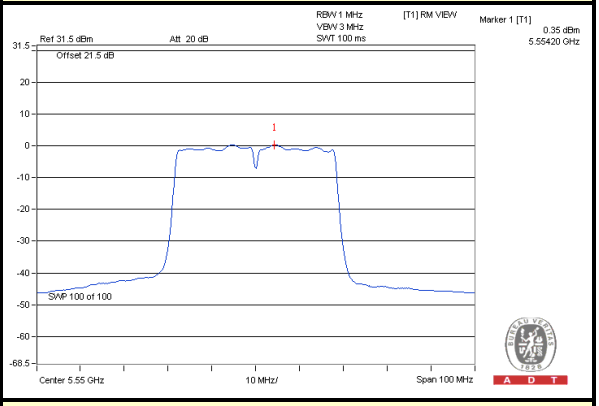
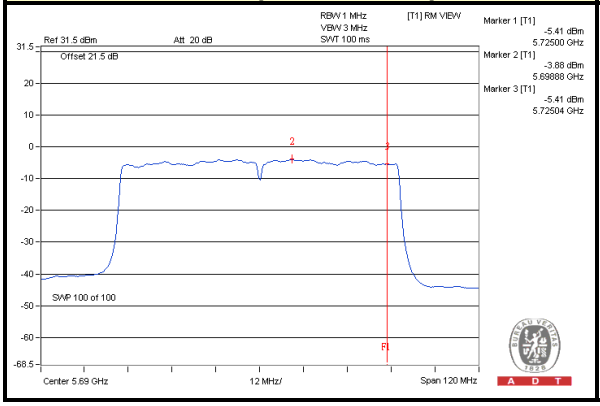
2. 5150~5250MHz: Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.26dBi > 6dBi , so the power density limit shall be reduced to 4-(8.26-6) = 1.74dBm.
3. 5250~5350MHz: Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.33dBi > 6dBi, so the power density limit shall be reduced to 11-(8.33-6) = 8.67dBm.
4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 11-(8.20-6) = 8.80dBm.
5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 17-(8.20-6) = 14.80dBm.

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
42	5210	-11.42	-11.33	-9.42	-5.67	1.74	PASS
58	5290	-6.16	-5.74	-6.84	-1.27	8.67	PASS
106	5530	-5.33	-5.45	-4.69	-0.20	8.80	PASS
138 (UNII-2c Band)	5690	-3.88	-3.99	-3.88	1.03	8.80	PASS
138 (UNII-3 Band)	5510	-5.15	-5.25	-5.22	-0.26	14.80	PASS

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

2. 5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.26dBi > 6dBi , so the power density limit shall be reduced to 4-(8.26-6) = 1.74dBm.
3. 5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.33dBi > 6dBi, so the power density limit shall be reduced to 11-(8.33-6) = 8.67dBm.
4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 11-(8.20-6) = 8.80dBm.
5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 17-(8.20-6) = 14.80dBm.

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(2) : CH116	**802.11ac (VHT40) / Chain(2) : CH110**
	
802.11ac (VHT80) / Chain(2) : CH138 (UNII-2c Band)	
	

4.4.14 TEST RESULTS(MODE 8)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
36	5180	-3.17	-2.50	-1.22	2.55	3.91	PASS
40	5200	-2.77	-2.27	-1.51	2.62	3.91	PASS
48	5240	-2.85	-2.12	-1.34	2.71	3.91	PASS
52	5260	-1.58	-1.22	-2.29	3.10	11.00	PASS
60	5300	-3.48	-3.08	-4.94	1.01	11.00	PASS
64	5320	-3.15	-2.78	-4.70	1.30	11.00	PASS
100	5500	-1.70	-1.14	-0.92	3.53	10.48	PASS
116	5580	3.74	4.03	3.02	8.39	10.48	PASS
132	5660	2.70	2.67	1.98	7.23	10.48	PASS
140	5700	2.71	2.76	2.35	7.38	10.48	PASS
144 (UNII-2c Band)	5720	3.84	3.67	3.38	8.41	10.48	PASS
144 (UNII-3 Band)	5720	3.33	2.95	2.71	7.78	16.48	PASS

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

2. 5150~5250MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 6.09dBi > 6dBi , so the power density limit shall be reduced to 4-(6.09-6) = 3.91dBm.
3. 5250~5350MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 5.98dBi < 6dBi, so the power density limit shall not be reduced.
4. 5470~5725MHz (For UNII-2c Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi, so the power density limit shall be reduced to 11-(6.52-6) = 10.48dBm.
5. 5725~5825MHz (For UNII-3 Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi, so the power density limit shall be reduced to 17-(6.52-6) = 16.48dBm.

802.11ac (VHT40)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
38	5190	-4.83	-3.86	-4.39	0.43	3.91	PASS
46	5230	-4.99	-3.79	-4.24	0.46	3.91	PASS
54	5270	-3.65	-2.98	-4.31	1.16	11.00	PASS
62	5310	-3.80	-3.40	-4.41	0.92	11.00	PASS
102	5510	-1.28	-1.49	-0.43	3.73	10.48	PASS
110	5550	-0.38	-0.30	0.29	4.65	10.48	PASS
134	5670	2.60	2.33	2.60	7.28	10.48	PASS
142 (UNII-2c Band)	5710	1.00	0.86	0.69	5.62	10.48	PASS
142 (UNII-3 Band)	5710	0.08	-0.01	-0.05	4.78	16.48	PASS

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

2. 5150~5250MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 6.09dBi > 6dBi , so the power density limit shall be reduced to 4-(6.09-6) = 3.91dBm.

3. 5250~5350MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 5.98dBi < 6dBi, so the power density limit shall not be reduced.

4. 5470~5725MHz (For UNII-2c Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi, so the power density limit shall be reduced to 11-(6.52-6) = 10.48dBm.

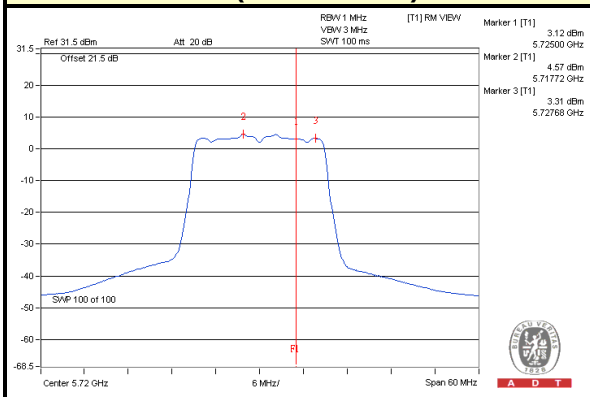
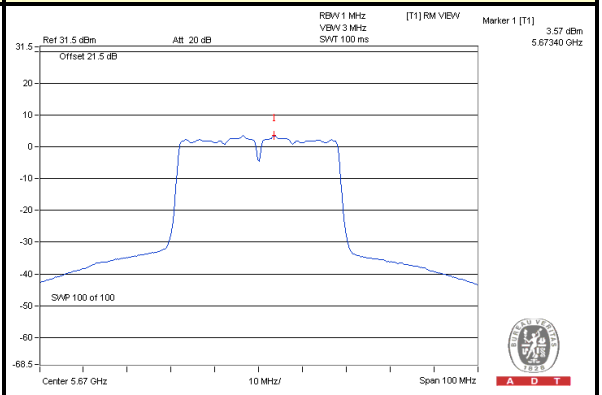
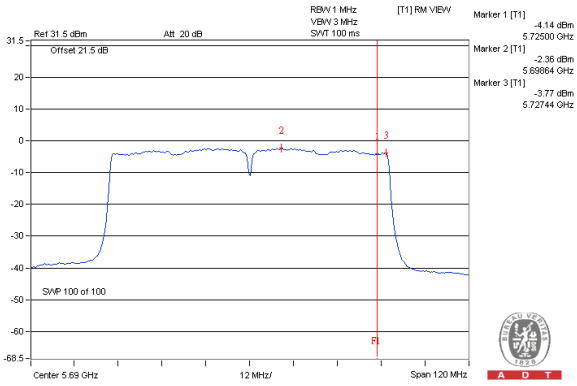
5. 5725~5825MHz (For UNII-3 Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi, so the power density limit shall be reduced to 17-(6.52-6) = 16.48dBm.

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
42	5210	-7.86	-7.18	-7.37	-2.51	3.91	PASS
58	5290	-6.16	-5.74	-6.84	-1.27	11.00	PASS
106	5530	-5.33	-5.45	-4.69	-0.20	10.48	PASS
138 (UNII-2c Band)	5690	-2.55	-2.36	-2.78	2.39	10.48	PASS
138 (UNII-3 Band)	5510	-3.83	-3.83	-4.09	1.03	16.48	PASS

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

2. 5150~5250MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 6.09dBi > 6dBi , so the power density limit shall be reduced to 4-(6.09-6) = 3.91dBm.
3. 5250~5350MHz: Directional gain = maximum gain of antennas + 10 log(3/2) = 5.98dBi < 6dBi, so the power density limit shall not be reduced.
4. 5470~5725MHz (For UNII-2c Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi, so the power density limit shall be reduced to 11-(6.52-6) = 10.48dBm.
5. 5725~5825MHz (For UNII-3 Band): Directional gain = maximum gain of antennas + 10 log(3/2) = 6.52dBi > 6dBi, so the power density limit shall be reduced to 17-(6.52-6) = 16.48dBm.

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(0) : 144 (UNII-2c Band)	**802.11ac (VHT40) / Chain(2) : CH134**
	
802.11ac (VHT80) / Chain(1) : CH138 (UNII-2c Band)	
	

4.4.15 TEST RESULTS(MODE 9)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
36	5180	-3.17	-2.50	-1.22	2.55	4	PASS
40	5200	-2.77	-2.27	-1.51	2.62	4	PASS
48	5240	-2.85	-2.12	-1.34	2.71	4	PASS
52	5260	-1.58	-1.22	-2.29	3.10	11	PASS
60	5300	-3.48	-3.08	-4.94	1.01	11	PASS
64	5320	-3.15	-2.78	-4.70	1.30	11	PASS
100	5500	-1.70	-1.14	-0.92	3.53	11	PASS
116	5580	3.74	4.03	3.02	8.39	11	PASS
132	5660	2.70	2.67	1.98	7.23	11	PASS
140	5700	2.71	2.76	2.35	7.38	11	PASS
144 (UNII-2c Band)	5720	4.59	4.77	4.66	9.45	11	PASS
144 (UNII-3 Band)	5720	4.00	3.70	3.67	8.56	17	PASS

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

802.11ac (VHT40)

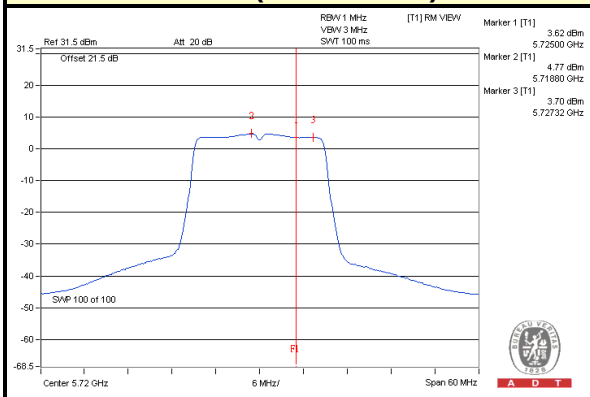
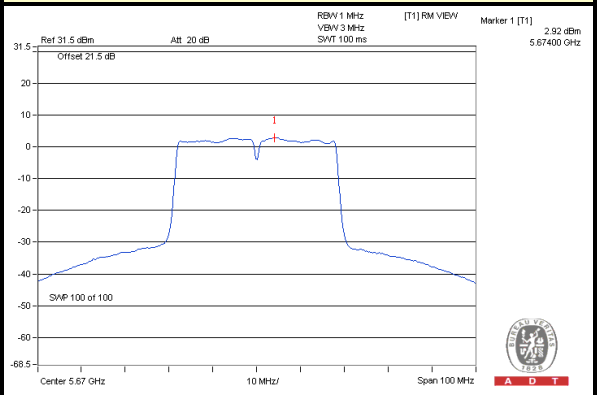
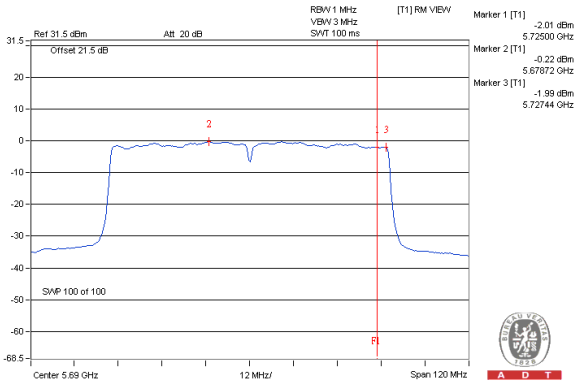
CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
38	5190	-4.83	-3.86	-4.39	0.43	4	PASS
46	5230	-4.99	-3.79	-4.24	0.46	4	PASS
54	5270	-3.65	-2.98	-4.31	1.16	11	PASS
62	5310	-3.80	-3.40	-4.41	0.92	11	PASS
102	5510	-1.28	-1.49	-0.43	3.73	11	PASS
110	5550	-0.38	-0.30	0.29	4.65	11	PASS
134	5670	2.58	2.47	2.80	7.39	11	PASS
142 (UNII-2c Band)	5710	2.32	2.34	2.59	7.19	11	PASS
142 (UNII-3 Band)	5710	1.25	0.91	1.60	6.03	17	PASS

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

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
42	5210	-7.86	-7.18	-7.37	-2.51	4	PASS
58	5290	-6.16	-5.74	-6.84	-1.27	11	PASS
106	5530	-5.33	-5.45	-4.69	-0.20	11	PASS
138 (UNII-2c Band)	5690	-0.71	-0.80	-0.25	4.37	11	PASS
138 (UNII-3 Band)	5510	-2.21	-2.38	-1.56	2.91	17	PASS

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

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(1) : CH144 (UNII-2c Band)	**802.11ac (VHT40) / Chain(2) : CH134**
	
802.11ac (VHT80) / Chain(2) : CH138 (UNII-2c Band)	
	

4.4.16 TEST RESULTS(MODE 10)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
36	5180	-4.68	-3.72	-3.74	0.75	1.74	PASS
40	5200	-4.50	-3.59	-4.06	0.74	1.74	PASS
48	5240	-4.88	-3.65	-3.98	0.63	1.74	PASS
52	5260	-1.58	-1.22	-2.29	3.10	8.67	PASS
60	5300	-3.48	-3.08	-4.94	1.01	8.67	PASS
64	5320	-3.15	-2.78	-4.70	1.30	8.67	PASS
100	5500	-1.70	-1.14	-0.92	3.53	8.80	PASS
116	5580	2.69	2.81	3.59	7.82	8.80	PASS
132	5660	2.51	3.03	3.21	7.70	8.80	PASS
140	5700	2.79	3.03	3.31	7.82	8.80	PASS
144 (UNII-2c Band)	5720	2.75	2.88	2.97	7.64	8.80	PASS
144 (UNII-3 Band)	5720	2.25	1.63	2.12	6.78	14.80	PASS

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

2. 5150~5250MHz: Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.26dBi > 6dBi , so the power density limit shall be reduced to 4-(8.26-6) = 1.74dBm.
3. 5250~5350MHz: Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.33dBi > 6dBi, so the power density limit shall be reduced to 11-(8.33-6) = 8.67dBm.
4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 11-(8.20-6) = 8.80dBm.
5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2+ $10^{G3/20}$)^2 / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 17-(8.20-6) = 14.80dBm.

802.11ac (VHT40)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
38	5190	-4.83	-3.86	-4.39	0.43	1.74	PASS
46	5230	-4.99	-3.79	-4.24	0.46	1.74	PASS
54	5270	-3.65	-2.98	-4.31	1.16	8.67	PASS
62	5310	-3.80	-3.40	-4.41	0.92	8.67	PASS
102	5510	-1.28	-1.49	-0.43	3.73	8.80	PASS
110	5550	-0.38	-0.30	0.29	4.65	8.80	PASS
134	5670	2.58	2.47	2.80	7.39	8.80	PASS
142 (UNII-2c Band)	5710	2.32	2.34	2.59	7.19	8.80	PASS
142 (UNII-3 Band)	5710	1.25	0.91	1.60	6.03	14.80	PASS

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

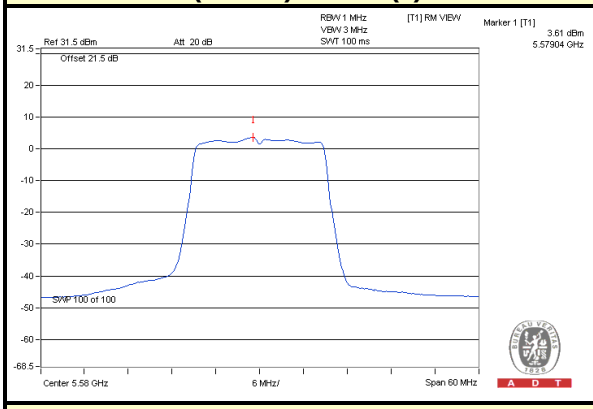
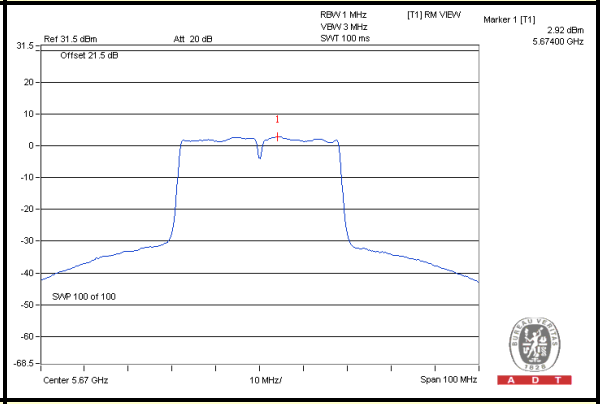
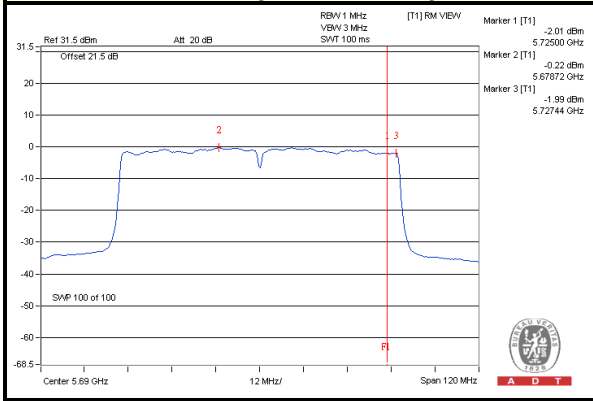
2. 5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.26dBi > 6dBi , so the power density limit shall be reduced to 4-(8.26-6) = 1.74dBm.
3. 5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.33dBi > 6dBi, so the power density limit shall be reduced to 11-(8.33-6) = 8.67dBm.
4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 11-(8.20-6) = 8.80dBm.
5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 17-(8.20-6) = 14.80dBm.

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
42	5210	-7.86	-7.18	-7.37	-2.51	1.74	PASS
58	5290	-6.16	-5.74	-6.84	-1.27	8.67	PASS
106	5530	-5.33	-5.45	-4.69	-0.20	8.80	PASS
138 (UNII-2c Band)	5690	-0.71	-0.80	-0.25	4.37	8.80	PASS
138 (UNII-3 Band)	5510	-2.21	-2.38	-1.56	2.91	14.80	PASS

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

2. 5150~5250MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.26dBi > 6dBi , so the power density limit shall be reduced to 4-(8.26-6) = 1.74dBm.
3. 5250~5350MHz: Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.33dBi > 6dBi, so the power density limit shall be reduced to 11-(8.33-6) = 8.67dBm.
4. 5470~5725MHz (For UNII-2c Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 11-(8.20-6) = 8.80dBm.
5. 5725~5825MHz (For UNII-3 Band): Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 + 10^{G3/20})^2$ / 3] = 8.20dBi > 6dBi, so the power density limit shall be reduced to 17-(8.20-6) = 14.80dBm.

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(2) : CH116	**802.11ac (VHT40) / Chain(2) : CH134**
	
802.11ac (VHT80) / Chain(2) : CH138 (UNII-2c Band)	
	

4.4.17 TEST RESULTS(MODE 11)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
36	5180	-3.17	-2.50	-1.22	2.55	4	PASS
40	5200	-2.77	-2.27	-1.51	2.62	4	PASS
48	5240	-2.85	-2.12	-1.34	2.71	4	PASS
52	5260	0.40	0.53	-0.22	5.02	11	PASS
60	5300	2.16	2.35	1.68	6.84	11	PASS
64	5320	-1.16	-1.15	-1.72	3.44	11	PASS
100	5500	0.34	0.62	1.07	5.46	11	PASS
116	5580	3.74	4.03	3.02	8.39	11	PASS
132	5660	3.62	3.78	3.85	8.52	11	PASS
140	5700	2.79	3.03	3.31	7.82	11	PASS
144 (UNII-2c Band)	5720	4.59	4.77	4.66	9.45	11	PASS
144 (UNII-3 Band)	5720	4.00	3.70	3.67	8.56	17	PASS

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

802.11ac (VHT40)

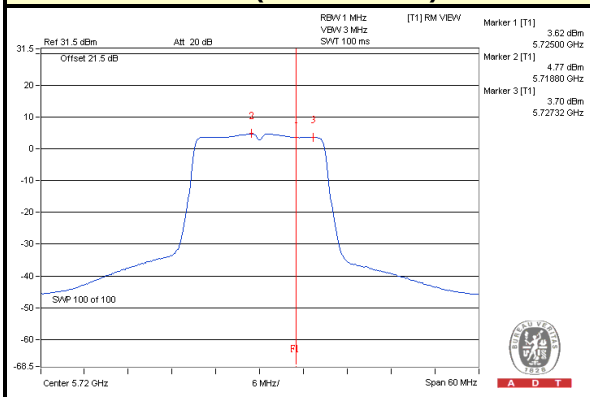
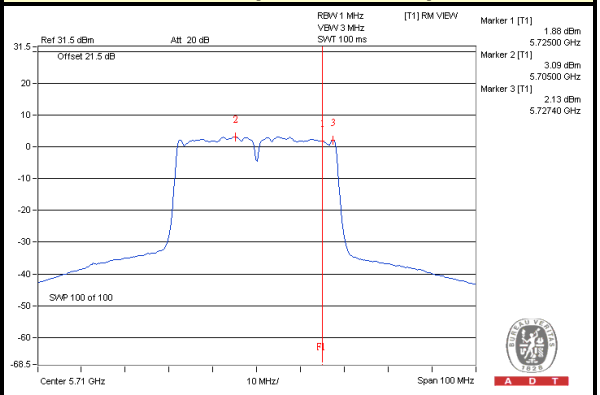
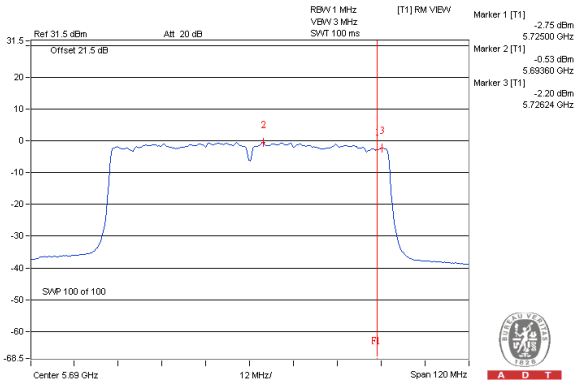
CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
38	5190	-4.83	-3.86	-4.39	0.43	4	PASS
46	5230	-4.99	-3.79	-4.24	0.46	4	PASS
54	5270	-0.03	-0.16	-1.08	4.37	11	PASS
62	5310	0.46	0.30	-0.50	4.88	11	PASS
102	5510	0.38	0.37	0.88	5.32	11	PASS
110	5550	1.60	2.66	4.19	7.72	11	PASS
134	5670	2.60	2.33	2.60	7.28	11	PASS
142 (UNII-2c Band)	5710	3.09	2.77	3.08	7.75	11	PASS
142 (UNII-3 Band)	5710	2.13	1.85	2.21	6.84	17	PASS

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

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
42	5210	-7.86	-7.18	-7.37	-2.51	4	PASS
58	5290	-3.59	-3.51	-4.02	1.25	11	PASS
106	5530	-3.68	-3.11	-2.48	1.89	11	PASS
138 (UNII-2c Band)	5690	-1.14	-0.91	-0.67	4.05	11	PASS
138 (UNII-3 Band)	5510	-2.44	-2.36	-2.23	2.61	17	PASS

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

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(1) : CH144 (UNII-2c Band)	**802.11ac (VHT40) / Chain(0) : CH144 (UNII-2c Band)**
	
802.11ac (VHT80) / Chain(2) : CH138 (UNII-2c Band)	
	

4.4.18 TEST RESULTS(MODE 12)

802.11ac (VHT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
36	5180	-3.17	-2.50	-1.22	2.55	4	PASS
40	5200	-2.77	-2.27	-1.51	2.62	4	PASS
48	5240	-2.85	-2.12	-1.34	2.71	4	PASS
52	5260	-1.58	-1.22	-2.29	3.10	11	PASS
60	5300	-3.48	-3.08	-4.94	1.01	11	PASS
64	5320	-3.15	-2.78	-4.70	1.30	11	PASS
100	5500	-1.70	-1.14	-0.92	3.53	11	PASS
116	5580	3.74	4.03	3.02	8.39	11	PASS
132	5660	2.70	2.67	1.98	7.23	11	PASS
140	5700	2.71	2.76	2.35	7.38	11	PASS
144 (UNII-2c Band)	5720	4.59	4.77	4.66	9.45	11	PASS
144 (UNII-3 Band)	5720	4.00	3.70	3.67	8.56	17	PASS

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

802.11ac (VHT40)

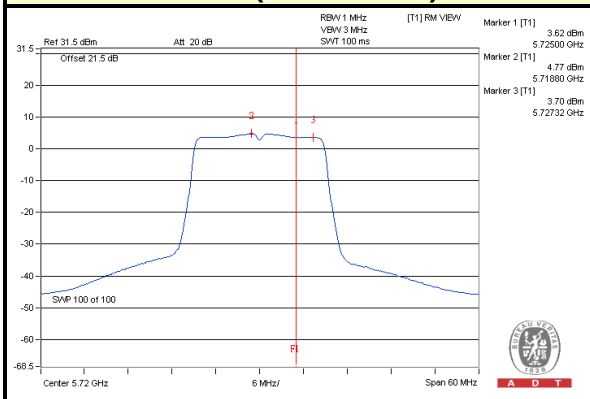
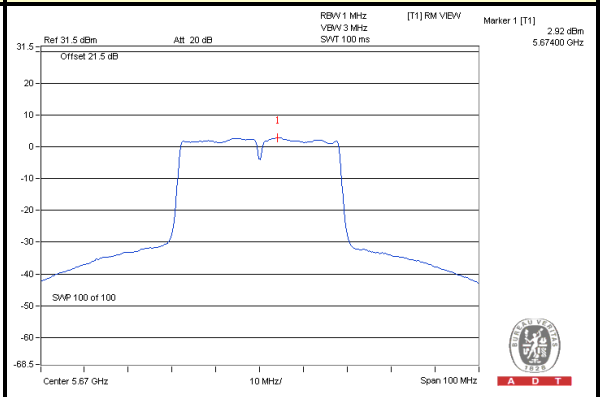
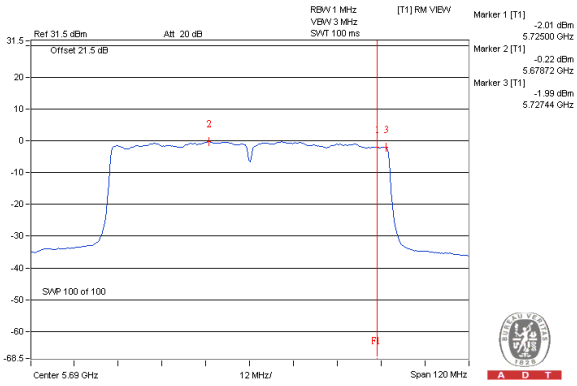
CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
38	5190	-4.83	-3.86	-4.39	0.43	4	PASS
46	5230	-4.99	-3.79	-4.24	0.46	4	PASS
54	5270	-3.65	-2.98	-4.31	1.16	11	PASS
62	5310	-3.80	-3.40	-4.41	0.92	11	PASS
102	5510	-1.28	-1.49	-0.43	3.73	11	PASS
110	5550	-0.38	-0.30	0.29	4.65	11	PASS
134	5670	2.58	2.47	2.80	7.39	11	PASS
142 (UNII-2c Band)	5710	2.32	2.34	2.59	7.19	11	PASS
142 (UNII-3 Band)	5710	1.25	0.91	1.60	6.03	17	PASS

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

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	PSD (dBm)			TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS/FAIL
		CHAIN 0	CHAIN 1	CHAIN 2			
42	5210	-7.86	-7.18	-7.37	-2.51	4	PASS
58	5290	-6.16	-5.74	-6.84	-1.27	11	PASS
106	5530	-5.33	-5.45	-4.69	-0.20	11	PASS
138 (UNII-2c Band)	5690	-0.71	-0.80	-0.25	4.37	11	PASS
138 (UNII-3 Band)	5510	-2.21	-2.38	-1.56	2.91	17	PASS

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

SPECTRUM PLOT OF WORST VALUE	
802.11ac (VHT20) / Chain(1) : CH144 (UNII-2c Band)	**802.11ac (VHT40) / Chain(2) : CH134**
	
802.11ac (VHT80) / Chain(2) : CH138 (UNII-2c Band)	
	

4.5 PEAK POWER EXCURSION MEASUREMENT

4.5.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT

Shall not exceed 13 dB

4.5.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
SPECTRUM ANALYZER R&S	FSV 40	100964	July 15, 2013	July 14, 2014

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 : June 19, 2014

4.5.3 TEST PROCEDURE

1. Set RBW = 1 MHz, VBW ≥ 3 MHz, Detector = peak.
2. Trace mode = max-hold. Allow the sweeps to continue until the trace stabilizes.
3. Use the peak search function to find the peak of the spectrum.
4. Measure the PPSD.
5. Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.

4.5.4 DEVIATION FROM TEST STANDARD

No deviation

4.5.5 TEST SETUP

4.5.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

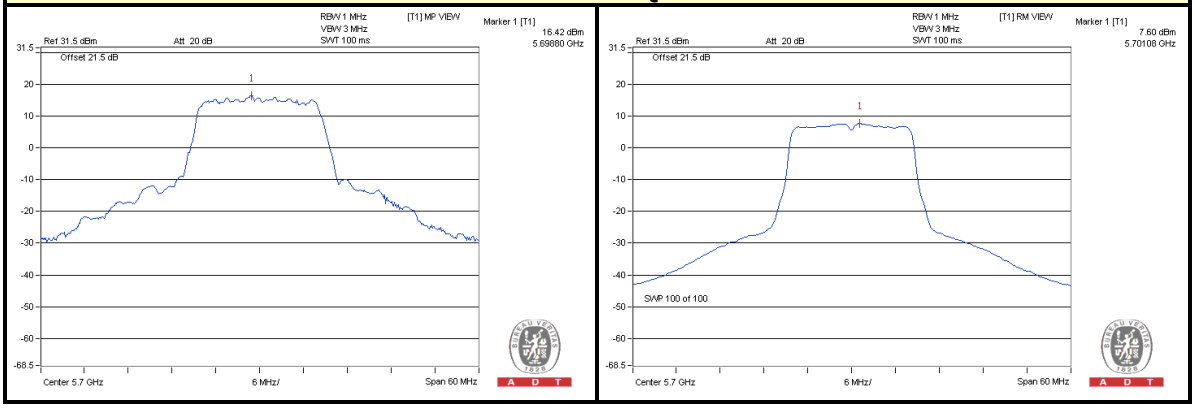
4.5.7 TEST RESULTS(MODE 1)

MODULATION MODE	MODULATION TYPE	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/ FAIL
802.11a	BPSK	5700	15.41	7.30	8.11	13	PASS
	QPSK		16.14	7.32	8.82	13	PASS

MODULATION MODE	MODULATION TYPE	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)	PPSD WITHOUT DUTY FACTOR (dBm)	PPSD WITH DUTY FACTOR (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS /FAIL
802.11a	16QAM	5700	16.42	7.60	7.75	8.67	13	PASS
	64QAM		16.11	7.56	7.85	8.26	13	PASS

SPECTRUM PLOT OF WORST VALUE

802.11a / 16QAM



4.5.8 TEST RESULTS(MODE 2~12)

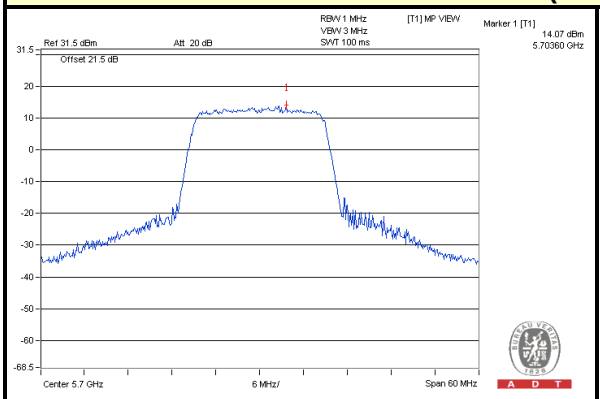
MODULATION MODE	MODULATION TYPE	CHANNEL FREQUENCY (MHz)	PEAK VALUE (dBm)	PPSD (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS/ FAIL
802.11ac (VHT20)	BPSK	5700	15.03	4.57	10.46	13	PASS
	QPSK		13.62	3.55	10.07	13	PASS
802.11ac (VHT40)	BPSK	5670	12.48	2.33	10.15	13	PASS

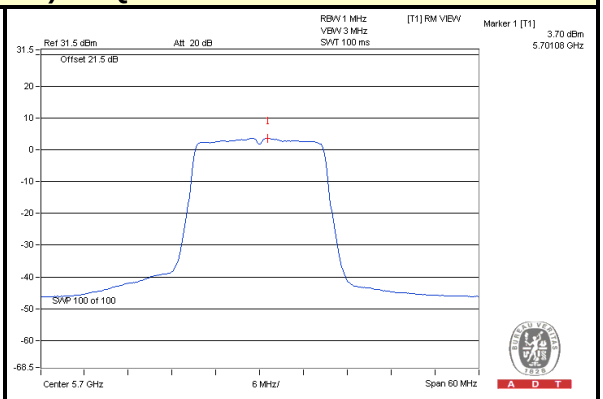
MODULATION MODE	MODULATION TYPE	CHAN. FREQ. (MHz)	PEAK VALUE (dBm)	PPSD WITHOUT DUTY FACTOR (dBm)	PPSD WITH DUTY FACTOR (dBm)	PEAK EXCURSION (dB)	LIMIT (dB)	PASS /FAIL
802.11ac (VHT20)	16QAM	5700	14.07	3.70	3.87	10.20	13	PASS
	64QAM		13.23	3.41	3.70	9.53	13	PASS
	256QAM		13.73	3.37	3.80	9.93	13	PASS
802.11ac (VHT40)	QPSK	5670	12.88	3.21	3.38	9.50	13	PASS
	16QAM		13.22	3.07	3.37	9.85	13	PASS
	64QAM		13.18	3.04	3.54	9.64	13	PASS
	256QAM		13.55	2.90	3.56	9.99	13	PASS
802.11ac (VHT80)	BPSK	5530	4.60	-5.57	-5.39	9.99	13	PASS
	QPSK		5.22	-4.57	-4.23	9.45	13	PASS
	16QAM		5.36	-4.63	-4.11	9.47	13	PASS
	64QAM		5.42	-4.63	-3.89	9.31	13	PASS
	256QAM		5.45	-4.50	-3.52	8.97	13	PASS

NOTE: 1. Refer to section 3.4 for duty cycle spectrum plot.

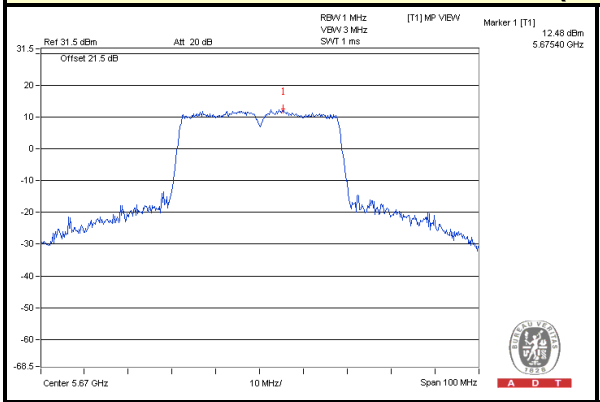
SPECTRUM PLOT OF WORST VALUE

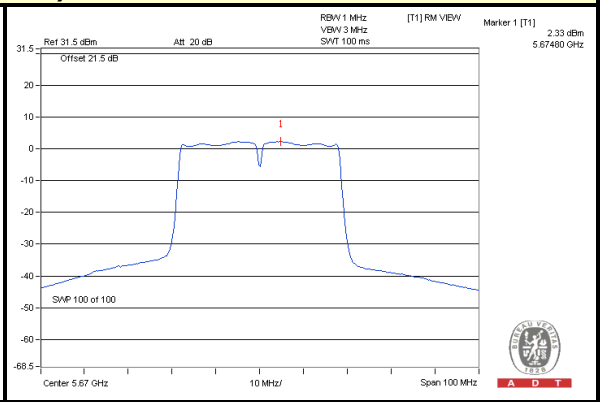
802.11ac (VHT20) / 16QAM



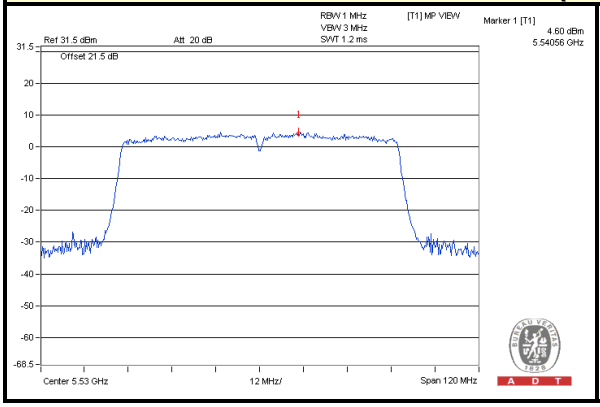


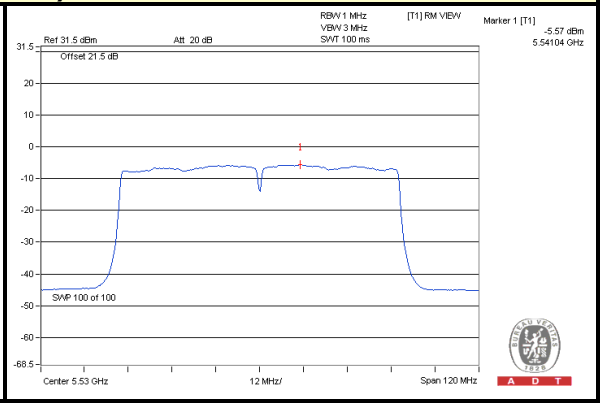
802.11ac (VHT40) / BPSK





802.11ac (VHT80) / BPSK





4.6 FREQUENCY STABILITY

4.6.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

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

4.6.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
SPECTRUM ANALYZER R&S	FSV 40	100964	July 15, 2013	July 14, 2014
Temperature & Humidity Chamber GIANTFORCE	GTH-150-40-SP-AR	MAA0812-008	Jan. 13, 2014	Jan. 12, 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 : June 19, 2014

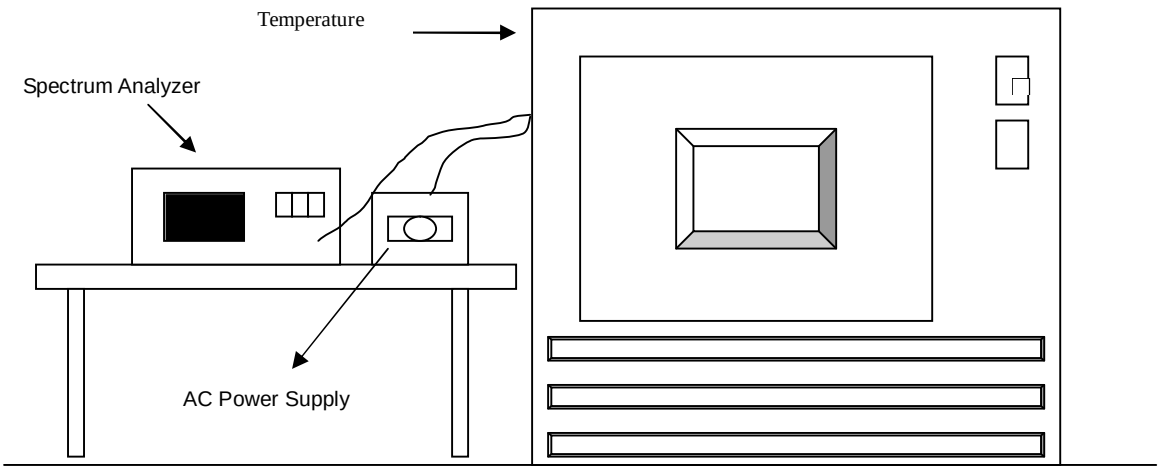
4.6.3 TEST PROCEDURE

1. The EUT was placed inside the environmental test chamber and powered by nominal AC voltage.
2. Turn the EUT on and couple its output to a spectrum analyzer.
3. Turn the EUT off and set the chamber to the highest temperature specified.
4. 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.
5. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
6. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

4.6.4 DEVIATION FROM TEST STANDARD

No deviation

4.6.5 TEST SETUP



4.6.6 EUT OPERATING CONDITION

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

4.6.7 TEST RESULTS

FREQUEMCY STABILITY VERSUS TEMP.									
OPERATING FREQUENCY: 5320MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift
		(MHz)	%	(MHz)	%	(MHz)	%	(MHz)	%
50	120	5320.0088	0.00017	5320.007	0.00013	5320.0077	0.00014	5320.0077	0.00014
40	120	5319.9988	-0.00002	5320.0009	0.00002	5319.9976	-0.00005	5319.9983	-0.00003
30	120	5319.9738	-0.00049	5319.9774	-0.00042	5319.9747	-0.00048	5319.9755	-0.00046
20	120	5319.9993	-0.00001	5320.0013	0.00002	5319.999	-0.00002	5320.0022	0.00004
10	120	5320.0043	0.00008	5319.9998	0.00000	5320.0008	0.00002	5320.0017	0.00003
0	120	5320.0047	0.00009	5320.0045	0.00008	5320.0047	0.00009	5320.0045	0.00008
-10	120	5320.0237	0.00045	5320.0285	0.00054	5320.0244	0.00046	5320.028	0.00053
-20	120	5319.9818	-0.00034	5319.9781	-0.00041	5319.9805	-0.00037	5319.9803	-0.00037
-30	120	5320.0035	0.00007	5320.0001	0.00000	5320.003	0.00006	5319.9987	-0.00002

FREQUEMCY STABILITY VERSUS VOLTAGE									
OPERATING FREQUENCY: 5320MHz									
TEMP. (℃)	POWER SUPPLY (Vac)	0 MINUTE		2 MINUTE		5 MINUTE		10 MINUTE	
		Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift	Measured Frequency	Frequency Drift
		(MHz)	%	(MHz)	%	(MHz)	%	(MHz)	%
20	138	5320.0002	0.00000	5320.0011	0.00002	5319.9994	-0.00001	5320.0024	0.00005
	120	5319.9993	-0.00001	5320.0013	0.00002	5319.999	-0.00002	5320.0022	0.00004
	102	5319.9985	-0.00003	5320.0012	0.00002	5319.9996	-0.00001	5320.0025	0.00005

5. PHOTOGRAPHS OF THE TEST CONFIGURATION

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

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

7.APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

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